



FP7-SME-1  
Project no. 262289

## **HARMOSEARCH**

Harmonised Semantic Meta-Search in  
Distributed Heterogeneous Databases



## **D7.1 Compiled collection of acceptance note**

### **Version 1.0**

Due date of deliverable: 2013-02-28

Actual submission date: 2013-02-28

Start date of project: 2010-12-01

Duration: 27 month

Project funded by the European Commission within the Seventh Framework Programme

#### Dissemination Level

<b>PU</b>	Public	<b>X</b>
<b>PP</b>	Restricted to other participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the Consortium (including the Commission Services)	

## PROJECT ACRONYM: **HARMOSEARCH**

**Project Title:** Harmonised Semantic Meta-Search in Distributed Heterogeneous Databases

**Grant Agreement:** 262289

**Starting date:** December 2010    **Ending date:** February 2013

**Deliverable Number:** D7.1, Version 1.0

**Title of the Deliverable:** Compiled Collection of Acceptance Notes

**Lead Beneficiary:** Afidium

**Task/WP related to the Deliverable:** WP 7

**Type (Internal or Restricted or Public):** Public

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**Contractual Date of Delivery to the CEC:** February 28<sup>th</sup> 2013

**Actual Date of Delivery to the CEC:** February 28<sup>th</sup> 2013

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# 1 INTRODUCTION

## 1.1 PURPOSE OF THE DOCUMENT

The document at hand details the evaluation and validation processes performed during the development of the HarmoSearch system as well as the results and findings during the validations. The overall goal of the evaluation process is first to incrementally improve the quality of the system and platform with regards to software components. The validation also aims at gathering explicit acceptance by the partners of the evaluated system.

The evaluation was due starting after a year. In fact, it was decided to start it earlier and adopt agile development methods. This document explains the reasons of this decision. The early start as well as the approach, processes, and documents used are the outcome of the initial thinking and preparation of development.

At the beginning of the project a basic evaluation procedure is defined with a set of dedicated activities that have been performed every time a new prototypical release candidate is released. Overall 5 release candidates are developed. The evaluation procedure covers technical and functional evaluations. The technical evaluation performed by developers prior focuses on evaluating the developed software artifacts, whereas the functional evaluation performed by the partners addresses the usability of the main components that provide a graphical user interface (UI) (supporting the user during its use of the platform).

After each release, an acceptance note is validated by each partner so as to confirm that they accept the release and consider that it fits the requirements. The present document gathers all those acceptance notes.

All in all the evaluation results shows that the developed components are of good quality. The expert users judge the usability and functionality of the HarmoSearch system platform and mapping tool mostly fulfilled. Especially the early releases showed usability deficits in the different systems, addressed by extended user documentation and extensive work on the graphical interfaces.

## 1.2 DEFINITION OF TERMS AND ABBREVIATIONS

The following terms and definitions are used throughout this document:

- **HarmoSearch system:** The system gathers all the components, tools and features developed during the HarmoSearch project. For instance, the mapping tool and the platform defined below are part of the HarmoSearch system.

- **Release candidate:** The development of the HarmoSearch system, platform and mapping tool follows an iterative approach. Accordingly, several versions of the whole system are developed. A release candidate denotes to the most recent version of the prototypical implementation of the HarmoSearch platform and mapping tool ready to be evaluated.
- **Mapping tool:** The HarmoSearch mapping tool is a stand-alone tool dedicated to support domain-experts (expert uses of a specific domain) in creating proper mappings between elements of a source schema and elements of a target schema.
- **Platform:** The HarmoSearch platform is the graphical interface allowing non-technical users to benefit from the HarmoSearch system's features. It uses profiles, roles, mapping files, and service subscription to let user import, publish or search data using the system.
- **Technical evaluation [Internal evaluation]:** Defined in details in this document, this evaluation consists of technical unit tests performed by developers in order to ensure the robustness of the developed software artifacts.
- **Functional evaluation [External evaluation]:** Defined in details in this document, this evaluation consists of using the components of the HarmoSearch system in order to ensure that they meet requirements and can be used by non-technical users.

### 1.3 RELATIONSHIP WITH OTHER DOCUMENTS

Initial inputs for this document are deliverable *D2.1 Use Case Specification*, *D2.2 Architectural Design*. *D2.1* defines the main functionalities and requirements whereas *D2.2* is used to describe the basic architecture of the HarmoSearch as well as the Harmonise systems. Those resources provide additional information but may be less easy to understand as regard the evolution of the HarmoSearch system and its evaluation.

A detailed evaluation report specific to the standalone mapping tool can be found in *D6.3 Evaluation Report on Validation of Results of Mapping Tool*, as well as its documentation in *D6.4 Manual for the HarmoSearch Mapping Tool*. A detailed evaluation report specific to the registry can then be found in *D5.3 Registry Evaluation Report*:

Finally, the documentation of the HarmoSearch platform is available in *D7.2 Running Prototype*.

#### 1.4 STRUCTURE OF THE DOCUMENT

The document is structured as follows:

- Section 2 describes the overall development and evaluation approaches and provides an overview about the main goals as well as planned and performed activities. It aims at explaining the reasons for the chosen approach, and reason for the early start of the evaluation processes. It finally presents the iterative approach (agile development) adopted for the HarmoSearch project as well as the main evaluation principles.
- Section 3 describes the planned evaluation process and its distinct steps, as well as the corresponding activities performed during each step.
- Section 4 presents in details the documents used for those evaluations.
- Section 5 summarizes the evaluation results of the various release candidates, and the review meetings together with all partners concluded by the validation (acceptance) of the release.
- Appendix A presents the document gathering requirements, document, updated at the end of each evaluation session.
- Appendix B provides the list of test cases documents, provided as results of the evaluation processes.
- Appendix C provides the list of formal acceptance notes, prepared and validated by the partners for each release.

## 2 PRINCIPLES

### 2.1 INITIAL APPROACH

Evaluation of work was due on start in Month 12. However, the initial work on the different work packages (WP2 for the definition of the use cases and the initial requirement gathering for the different components) shows that the target system is complex and would therefore be difficult to evaluate. Furthermore, the produced documents are quite voluminous and hard to use both for the developers and the functional testers.

As a consequence, the decision was taken by the partners to use an Agile development methods, detailed in the next chapter.

The purpose of the evaluation report is to define the evaluation procedure for the HarmoSearch system. Since HarmoSearch is an information and communication technology (ICT) research project, the main deliverables are software artifacts.

Specific evaluation activities are used to determine if the HarmoSearch tools met the expectations in regard of project execution, usability, and user satisfaction. The activities performed during the entire project are used to determine if the evaluation is effective and how the actual users feel about the final release.

The following activities are performed during the project:

- During the development phase unit tests are used to evaluate dedicated parts of the developed source code
- Evaluation testing by expert users to evaluate the software quality perceived by the expert and end user

### 2.2 AGILE DEVELOPMENT METHODS

The HarmoSearch project is conducted using agile development methods, following iterative processes. Thus, although main expectations and requirements are defined for the general project, the partners have decided to divide the project in several steps. An initial step is to plan a series of releases candidate to ensure punctual evaluations of the work in progress, and precise monitoring and adaptation.

For each release, precise requirements are defined, and planned for development, based on the outcome of the previous evaluation, the use cases defined at the beginning of the project (in doc...) and the continuous requirement gathering available in Appendix A. The division of the expectations in smaller precise requirements allows a flexible development. It can then be decided to postpone or cancel a

specific requirement in order to ensure the quality and time of delivery of a release candidate. For instance, it was decided to focus on an effective integration of Facebook and Twitter to the platform instead of adding other social network (as this would have required much more development for a minimal added value).

This process allows using a maximum of resources for evaluation and feedbacks, at several stages of the project.

At the end of evaluation of a release, the partners can then validate it, and decide which requirements to prioritize for the next release candidate. This is also the opportunity to add new requirements according to the results of the evaluation (for instance, improving usability of the mapping project in the first releases).

### **2.3 EVALUATION PRINCIPLES**

The HarmoSearch system is evaluated from two distinct perspectives:

- Technical evaluation
- Functional evaluation

#### **2.3.1 Technical Evaluation**

The technical evaluation focuses on determining if the robustness of the developed software artifacts is satisfying. The developed artifacts are permanently evaluated during the development phase (mainly covered by unit tests).

In order to keep the code quality high during the entire development phase a systematic approach to developer testing is performed:

- In order to make sure that the requirements are implemented as defined, test cases must be developed for each relevant requirement. Moreover, the test cases should be defined at the requirements stage (requirements elicitation) or as early as possible (ideally before implementing the unit tests).
- Relevant design concepts have to be tested using proper test cases ideally in the very early stage of the development phase or sometimes during the requirements elicitation.
- Detailed test cases are built along with the current release candidate. Using a basic approach for defining these test cases can help avoiding errors in the requirements as well as in the design of the system and tools. Typically errors in the requirements or the design require more effort and thus, are more expensive than code errors.

The technical evaluation is the responsibility of the developers. Some specific points (challenging requirement, technical issues, and choice

between a series of alternatives...) may be discussed with other partners, but the technical unit tests are not part of the delivery.

### **2.3.2 Functional Evaluation**

The functional evaluation consists of expert and real user evaluations where both groups are asked to perform functional tests on the corresponding release candidate of the HarmoSearch system. The main purpose of these evaluations is to verify that the developed artifacts meet the needs of the end user.

Testing the latest release with end-users is highly important in order to guarantee that the final user is satisfied. For evaluating the user's experience a scenario-based cognitive approach is used.

The overall objectives of functional evaluations are as follows:

- Evaluate if the underlying business cases are covered or not by the final product
- Discover gaps during the development and requirements elicitation phase
- Gathering a common understanding of user expectations and how they can be managed effectively

The user evaluation is conducted using a formal scenario-based approach. Thereby, a formal template is used in order to measure how the user feels when using the services and tools. The main points of interest the template covers are as follows:

- How does the user feel when using the mapping tool for creating and managing and proper mapping solutions?
- How does the user feel when using the system and the platform to search, import or publish data?
- Are the tools intuitive to use?
- Does the user grasp the underlying concepts easily?

The declared overall goal of external evaluations as described above is to determine if the actual end-user can handle and perform the activities that are necessary for accomplishing their tasks. The user evaluation applies to the main building blocks of the HarmoSearch platform and the mapping tool:

- User interfaces
- Features
- Error messages
- Wizards
- Editors & control panels
- User assistance

The evaluation template is designed to collect feedback from participating users. Thereby, the user have to fulfill certain tasks defined by the development partner beforehand. The user evaluations are held alongside with the release of a corresponding release candidate. All in all 5 evaluations have been performed.

During the evaluation the following actions are performed:

- The formal template containing all steps and activities is defined. The template addressed the main functional building blocks as well as menus, error messages, and other UI-related aspects.
- The template contains a detailed description of the input as well as the expected output necessary to perform the step successfully. Furthermore, it also contains the concrete component, which is the actual object of the evaluation and the corresponding sub-component if any.
- The template also provides information on the test sequences. Giving each specific test an ID allows to precise in which order tests are to be played, and which are the dependencies. This is particularly useful when performing a more targeted test session after a bug was solved.
- The test data must be clearly specified and some space for comments was present.
- Moreover, the document contains additional space where the user can provide an overall feedback on the success of the current test case. Valid values are:
  - O - Test case is successful and met the requirements as expected
  - X – The test case is not accomplished due to an error or missing requirements.
  - W – The test case is accomplished as described but lacked either minor user expectations or requirements. This value can be used to provide additional feedback (for instance, lack of clarity on the interface).

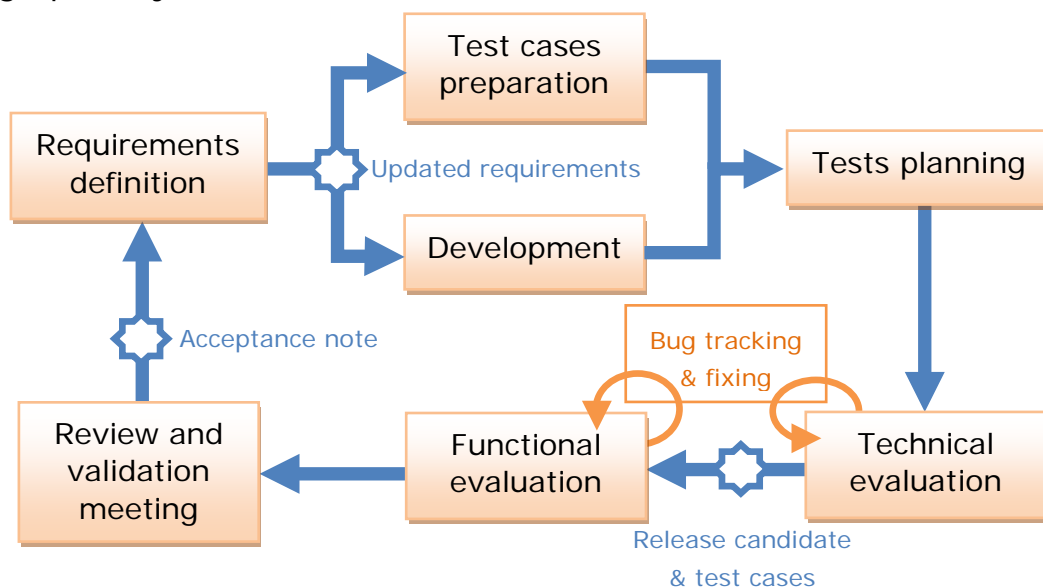
The document used as template for functional tests is described in details in the “Functional Evaluation Document” section

### 3 EVALUATION PROCESS

The main goal of the evaluation process is to evaluate if the results of the developed software meet the expectations. Expectations are classified into the following groups:

- **Business expectations:** In this group the main goal is to determine if the business expectations defined at the beginning of the project are met. This mainly includes the value of the release, its quality, as well as its delivery.
- **Workpackage execution:** The main aim of this group is to evaluate if the workpackages dedicated to the development of the components of the HarmoSearch system is executed as planned (on time and quality) to fit the requirements.
- **User satisfaction:** The final group that aims to determine if the system is a success from an end users point of view.

The whole development and evaluation process is built upon several levels: planning, development and preparation, technical evaluation, functional evaluation, and review meetings. illustrates the process graphically.



*Figure 1: Evolution process overview*

The described evaluation process follows five main principles:

- Collaboration
- Integration
- Formative
- Summative
- Supportive

**Collaboration:** Evaluating the developed software artifacts is accomplished in an organized and agreed way in conjunction with all participants involved in the development and test phase of the artifacts under consideration. This is also why each release has to be formally accepted by the partners once evaluated.

**Integration:** The described evaluation process is integrated into each of the release cycles of the HarmoSearch system.

**Formative:** HarmoSearch is an international research project and involves partners from all around Europe. Generating feedback throughout the whole process ensures that all participants remain focused on the objectives of the HarmoSearch project (despite working different countries and organizations).

**Summative:** The outcome of the evaluation is used to judge whether the HarmoSearch system (the final outcome) meets its objectives. At the end of the project a proper report on the evaluation and validation performed is published, which is the actual context and content of the document at hand.

**Supportive:** The process foresees that all project partners (even those who are not actively involved) stay informed and are supported throughout the whole project.

### 3.1 ROLES AND RESPONSIBILITIES

The evaluation procedure is done collaboratively, which means that the partners are actively involved in the evaluation process. Thereby, each participant has one or more of the following roles:

- **Participant:** The external evaluation is conducted in close collaboration with all partners. Especially SPK is strongly involved in the functional evaluation of the current HarmoSearch mapping tool, and Afidium in the functional evaluation of the HarmoSearch platform release candidates. All partners are involved and participate in the review and validation meetings, which are organized in order to share experiences, evaluate if the presented release candidates fulfill the requirements as expected, and gather a formal acceptance from the partners. In connection with the review meetings results and future steps are discussed.
- **Evaluation Leader (Afidium):** Working in close collaboration with all participating partners, Afidium is responsible for gathering each release and its evaluation forms, supervising the evaluation and gather evaluation and validation from the partners
- **Release provider:** In addition to providing the release, accesses and documentation, the release provider is responsible for creating the evaluation form, performing technical evaluation, and supporting all participants in case of questions or errors.
- **Business User (Domain-expert):** An experienced professional having a deep understanding about a certain problem domain. Usually domain-experts have only little or no technical expertise in creating and using a proper mapping, and need a user-friendly interface to benefit from this mapping and retrieve or publish data. Domain-experts are the focus group the HarmoSearch tools was developed for, and may be part of the consortium members (participants).

### 3.2 PROCESS TASKS

Evaluation and testing is a five step process

- Preparing the test cases
- Planning
- Technical Evaluation
- Functional Evaluation
- Review and acceptance

#### 3.2.1 Preparing the test cases

The test cases for each module part of a release must ideally be prepared at the same time as the requirements. In general, the test cases are prepared after the requirements, in parallel with the developments. They are prepared by the release provider and submitted to the evaluation leader and the testers. A number of iterations may happen before final validation of the test grids.

The test cases must be prepared jointly by the users and the developers so as to ensure that all aspects are covered and that the developers know what the users concretely expect and how they express it. It also allows ensuring that the test data are present and relevant for the expected test.

To limit the size of the test grids, it was decided that the test grids for each release only contains new features to be tested. It is therefore recommended that the testers test a number of cases from the previous grids to ensure backward compatibility. Tests showing issues are especially important to be retested.

However, if relevant, certain test cases from a previous release are copied to the next release usually to be expanded, so as to be able to replay previous test cases and validate the new features at the same time.

Test cases are covering all the components of the HarmoSearch system (Query language, semantic registry, metasearch, mapping tool, portal, crawler...) which are modified in the latest release.

The different test grids are merged to create the evaluation grids provided in the appendix.

The evaluation grids are stored in a repository (SVN) shared with all partners. There is one directory per release, and in each release directory, the prepared test cases is positioned. An additional directory contains the necessary resources (such as inputs to be used or output examples to be used for comparison).

### 3.2.2 Planning

The objective of this task is to set everything ready for the evaluation session:

- Selection of participants
- Scheduling of evaluation activities

To ensure maximum validation and knowledge transfer to the partners, the evaluation sessions involve most of the partners. The participants are selected at least a month before the evaluation occur.

The evaluation activities are limited in time during around a week (a maximum of two) to limit time dispersion: all feedbacks are available to the solution provider within a limited timeframe. During that time, the evaluation platform is kept stable (except in case of blocking issues). The evaluation time frame is scheduled so as to be compliant with all partners. It starts with the evaluation of the provider, usually followed by the evaluation of the evaluation leader (Afidium). Then comes the evaluation by the partners, one day for each.

A follow up meeting is then planned by the evaluation leader, to define whether the release is accepted or not and under which conditions.

Afidium as responsible partner ensures that the release candidate is delivered in time for evaluation and that all requirements are met. Furthermore, the evaluation leader Afidium has the overall responsibility of ensuring that the evaluation activities are done properly and in time. The participants that conduct the evaluation have the responsibility of identifying defects in the release candidate (usually the developer team is also part of the evaluation team).

### 3.2.3 Technical Evaluation

The purpose of the technical evaluation step is to test the robustness of the developed software artifacts and components. This evaluation is conducted by the release provider using proper tools for testing and for code quality improvement. Furthermore, relevant UI components, such as wizards, are tested manually.

Each development team is responsible for unit testing. The unit testing traces are not part of the releases nor of the deliverables. Thus, the testing process described later only concerns the testing of releases after developments have been performed.

The release provider also needs to perform the 1<sup>st</sup> test session of the functional evaluation, as described in the next section.

### 3.2.4 Functional Evaluation

The overall goal of the functional evaluation step is to allow user-oriented evaluations in order to gain feedback from expert users.

Once the test cases and release candidate are prepared, the candidate has to be distributed for the evaluation. This includes the software (the evaluated mapping tool, HarmoSearch platform...) as well as the updated template of the evaluation.

The release provider has to ensure that the prepared test cases can be performed. As a consequence, he plays them before delivering the release. At least one "technical" tester has to be active for each test case to be played. It could be a member of the team having developed the module or a member of another technical team. Those tests are meant to ensure the compliance with the cases prepared in advance.

The results of the first tests are performed by the technical testers and are visible in the test cases files in the directory of the corresponding release.

Internal project partners (expert users) as well as domain-experts that are not actively participating in the HarmoSearch project perform the functional evaluation. The evaluation has to be performed by internal as well as external partners in order to identify gaps from a user's (respectively expert-user's) perspective. In the end, the collected feedback allows to reason about the success and usability of the HarmoSearch services and tools.

This has to be performed by the users (partners or external users) identified in the planning step, before accepting a release after the delivery by the technical teams. The tester has to use the prepared test cases to ensure the coherence of the tests in relation with the requirements.

The test cases are contained in one or several Excel files. They list functional tests based on a concrete business scenario as identified by the participants and the selected domain-experts beforehand. The document not only contains the scenario, but also the different steps to perform the evaluation. The file is filled by the users during the scheduled evaluation session with a global indicator, comments and possibly links to external documentation when required. When required, an "output" screenshot or file is placed in the same "test data" repository as the input resources, so as they are accessible to the release provider as well as the other partners.

The provider partner uses then the evaluation outcome to populate the bug tracking system so as to ensure that the different issues are corrected for the next release (or sooner if they are preventing the release acceptance).

The results of the functional evaluation is also presented to the other project partners during the review meeting in order to have a shared and general view on the user perceived usability of the HarmoSearch services and tools.

Once the evaluation is performed and release candidate corrected if necessary, the candidate has to be distributed for the final review. This includes the software (the evaluated mapping tool, HarmoSearch platform...) as well as the results of the evaluation.

### 3.2.5 Review and Acceptation Meeting

A follow up meeting (a Skype call or during a consortium meeting) is then organized. This review meeting is the final step in the evaluation cycle. Its main purpose is to present, to share, and to discuss the evaluation results within the project consortium. The object of discussion is the list of identified defects and issues that came up during the evaluation, and the objective is to define whether the release is accepted or not and under which conditions.

Before the meeting the release provider prepares the actual release candidate so it can be presented properly. Furthermore, the release provider has prepared the main test cases that are then presented during the review meeting. The Evaluation leader ensured that test cases are ran, and taken into account by the release provider. The evaluation leader also prepares the formal acceptance note to be validated by the partners.

Another point of discussion is the functional reviews, which is created during the evaluation. Thereby, the participating partners describe their experience and feeling using the release candidate under consideration. The results of these discussions is taken under consideration for further steps and requirements elicitations for the next release candidate.

At the end of the review meeting the review results are collected for further analysis. Identified issues that are relevant for the next release candidate are added to the requirements list. This allows the evaluation leader to integrate the new proposals and recommendations in the requirement documents. Those are then submitted to the partners to define whether those requirements will be implemented or dropped and in which release.

Once a release is tested, all results are gathered and the consortium can express whether release is accepted or not, possibly with a number of issues being registered. This corresponds to the formal acceptance note that must be generated for each release. This document is validated by all the partners and contains description of the delivery content, so each partner can check and accept the release. This ends the validation process of a release.

## 4 FUNCTIONAL EVALUATION DOCUMENT

The form for the functional evaluation is used to collect the evaluation data from the participating users. Data collection during evaluation sessions is crucial. As described before the evaluation data is collected using a form-based approach. The reason why forms are used for capturing the evaluation results is simple: The reviewers are largely human processes. If data is not collected in a guided and formal way the information can easily be lost. The data collected by the evaluation process consists of defect data (bugs and issues that harm the basic functionality of the system, the platform or the mapping tool) and the user's feeling using the HarmoSearch services and tools.

As mentioned, selected users who perform the functional evaluation have to use the external evaluation form. The evaluation form is available to the participants before the starting of the evaluation session. Its main purpose is to record the following information:

- Look and feel from the user's perspective
- Usability of the components of the HarmoSearch release candidate under evaluation
- Functional defects or other issues that occurred during the test
- Documentation (online and offline)

The release provider is responsible for providing the evaluation form (detailed test cases) and the evaluation leader for collecting the results.

As Evaluation leader, Afidium is also responsible for providing the initial template of test cases document and documentation on its use.

### 4.1.1 Documentation of the test case form

The test case template is an excel document that already contains the description of each column and how to use them (located in the "Help" sheet). This main documentation is also present in the evaluation forms created for each release.

This main documentation is reported in the table below.

In addition to this main documentation, more information is available in a private wiki opened to all partners. This additional documentation aims at providing assistance in the creation and use of the test cases documents.

This additional documentation is reported below the table.

Field	Description	Cardinality	Example
<b>Definition section</b>	<b>Items defining the test case</b>		
Id	Unique identifier to reference test case , in Bug tracker, other test case, documents ...	1	T1, AU1...
Parent	To reference an Id in case of child test cases. Child test cases happen when the same test case is played with different values	0..1	
Sequence	To reference an Id in case of linked test cases. Linked test cases happen when several cases must be played in a row	0..1	1,2, 3, ...
Action	Action described in the documents that will be tested	1	Crawling
Name	Name of the test case	1	Refresh Cache
Description	Explains what is the purpose of the test case	1	
Comment (and alternatives)	Any additional comment that would help explain the test case, if required Alternatives can be detailed here. They should then (if accepted) become additional test cases associated to a parent test case	0..1	
Complements	Any additional information that should be used to test the Semantic Registry	0..1	
Doc Ref	A reference that would be present in requirements, use cases...	0..1	
External Link	Links to documents detailing the requirement or use case in relation with the test case		
<b>Test section</b>	<b>One section per test date. All tests may not be performed each time. Copy for a new test</b>	<b>1..*</b>	
Date	Date of test.	1	
Actual Result	Describes the actual response, especially if not per expectation X: Not OK W: OK but there is a warning: something that may be improved or better documented O: OK ?: Cannot conclude	1	
Output (XML, Screen...)	Link to the output (screen copy, xml response ...). Useful when response is not per expectation.	0..1	

*Table 2: Test cases main documentation*

## **The status**

- O - OK: Test case succeeds without any problem. It is still possible to provide a screen shot or a file to show result or a comment, but no modification is expected,
- W- Warning: Test case is considered valid. A comment should however be added to explain the warning. It may end up proposing a new or update requirement. It may be a suggestion to enrich or modify the test data or to produce additional test cases to validate more in detail the test case
- X - Test case fails: An explanation must be provided with a screen shot or a file to show or illustrate results. It may end up with new requirements or the need to have new data or parameters before test is replayed.

The screen shots are to be saved in the repository directory corresponding to the release (this is starting with release 3, previous screen shots being saved in the document itself).

## **Splitting a test case in steps**

A test case must be split by steps, in case several steps are involved. For instance, a test case to check how to create a new user is likely to be split into several steps, like :

1. Go to the create new account page,
2. Enter the minimal information,
3. Validate the input,
4. Check that a confirmation mail is received,
5. Check that admin gets an activation request,
6. After activation, sign in .

Detailing the different steps ensures proper testing and feedback to be used in the next release.

## **Providing variations to a test case**

It is also important to provide variations around the same test case to go over the different possibilities. To illustrate with the previous example, different variations could be:

- New account with a new company
- New account with an existing company
- Account already exists
- Account uses an incorrect email

Not all cases are likely to be covered but expanding this list will allow improving the quality of the portal, step by step.

It is also possible not to detail all the steps for the different variations, since a number of the steps of the different variations are likely to be common. It is therefore better to describe variables on specific steps instead of multiplying complete test cases.

### **Providing a link to a file or screen shot**

Starting with release 3, in case there is a need to add a screen shot or additional information to a test case to illustrate an issue or a new requirement, a file must be saved to the repository directory corresponding to the release.

The file name must contain:

- the test case ID,
- the date of the test session,
- the user initials,
- a self-explanatory free text.

The server link must be copied to the test case line.

If the complement corresponds to a possible new requirement, this information must be added to the requirement file once requirement are validated.

### **Preparing a new test session**

- To prepare for a new test session using the same test case, simply replicate the colored test columns that contain the status, initials and comments for a test.
- To create new test cases in an existing test file, simply copy an empty line to ensure coherence of colors and formula.

#### **4.1.2 Using the test cases form**

Tests cases documents are created and filled for each releases (possibly several documents per release). All those documents are gathered in the [appendix](#).

## 5 EVALUATION SESSIONS AND ACCEPTANCE

The participating partners, external users and the evaluation leader have performed the evaluations. All in all 5 evaluations are conducted. Each with the ongoing release candidate version of the HarmoSearch system. Afidium, as evaluation leader, is also responsible for collecting and distributing the results of the evaluations within the HarmoSearch consortium. The evaluations has taken place throughout the whole project. Overall 5 evaluations have been performed in M09, M10, M14, M23, and M26.

At the end of the evaluation process, a review and validation meeting occurs. During those meetings, each release is validated by all partners with a formal acceptance note. All Acceptance notes are gathered in [the appendix](#).

As the subsections below will show more precisely, the evaluation has started early in order to follow a recursive evolution. At the very beginning, the main requirement of the release is to define the key components such as ontology, crawler prototype...(Release 1), and to integrate them in the first running prototypes (Release 2, metasearch and mapping tool). This is followed by the realization of the complete system while the improvement of the initial prototypes can continue (release 3). The two lasts releases are dedicated to the improvement of the previously implemented tools (addition of features, improvement of usability, and final tuning) for releases 4 and 5.

### 5.1 EVALUATION OF RELEASE 1

Main requirement: Definition of the key components for the HarmoSearch platform.

The key components are well created and tested by the partners. The registry passes all tests very well, but some issues are noticed during the tests (on the query for instance, which aren't correctly specified) and are added to the requirements of the second releases. Those few issues aren't considered as problematic as no operation has been initially planned between the two releases. It is also confirmed to provide the first mapping tool ("Flocke") in the release 2.

Additional resources to be found in appendix:

- Tests results of this release can be found in Test cases for release 1,
- Content and Acceptance note for this release can be found in Acceptance note for release 1.

## 5.2 EVALUATION OF RELEASE 2

Main requirement: Integration of the different components in order to have a running metasearch and a first release of the mapping tool.

Evaluation has been performed without blocking issues, but many comments are provided, especially on the usability of the mapping tool (which use is very complicated in its early stage). Some improvements are made and tested before validation of the release, remaining improvements are postponed to the next releases. The first mapping tool meets the functional requirements, but is not stable enough and too complicated. Corresponding improvements are planned.

With the first mapping tool tested, and a functional meta search running (with integration of the first data sources and a graphical user interface for search and results), the second release points out the importance of ergonomics and usability (documentation, wizards, contextual help...) and allow partners to initiate the discussions of the demonstrations materials (scenarios, inputs and outputs...), as a first demonstration of the meta search and mapping tool was performed during the review meeting.

Additional resources to be found in appendix:

- Tests results of this release can be found in Test cases for release 2,
- Content and Acceptance note for this release can be found in Acceptance note for release 2.

## 5.3 EVALUATION OF RELEASE 3

Main requirement: A complete system ready in a productive environment.

This important release provides partners with a whole portal to be usable from end to end, an initial account management allowing to set up new users and organizations, as well as an API for external services to connect to HarmoSearch. In addition to the main functional requirements, this release is helpful to define in details the need for elements such as status reporting, parameters, notifications... to improve the overall usability of the platform.

Release 3 also provides a much more user-friendly and intuitive mapping tool, even if more improvements are planned on this aspect (contextual wizards and messages).

Additional resources to be found in appendix:

- Tests results of this release can be found in Test cases for release 3,
- Content and Acceptance note for this release can be found in Acceptance note for release 3.

#### 5.4 EVALUATION OF RELEASE 4

Main requirement: Apply the tools to enrich the system

With only a few issues regarding some of the new features (publication on social media), which are quickly solved before validation, the HarmoSearch platform presented in the fourth release is a really good “exhaustive demonstration” of all the possibilities and features of the system (meta search, automatic and manual publication of data...). With improved navigation and usability, Afidium involves new users in the test processes to ensure the platform was easy to use and its feature easily understood by non-technical users.

As the platform includes all the features for each users, the interface is too rich at this stage (too many features available) which can result in a lack of clarity. This confirms the need for user roles management in order to limit the feature to each user need (defined as several main scenarios). Those main roles are defined, and their integration to the platform is planned for the fifth release.

Additional resources to be found in appendix:

- Tests results of this release can be found in Test cases for release 4,
- Content and Acceptance note for this release can be found in Acceptance note for release 4.

#### 5.5 EVALUATION OF RELEASE 5

Main requirement: Fine tuning the system

Along with the integration of new nice to have features, the improvement of social media integration, and the enrichment of data (scoring, keywords, qualification...), the main evolution in this release is the finalization of the user role management of the portal, with role-specific interface. With this release, user now starts by creating the account that best fits its need (“I want to publish data, to perform qualified meta search or to import qualified content), and will only see and access the features which are relevant to the role he picked. This fifth release confirms that the usability objective is met as well as the functional requirements.

The structure and content of the help section is integrated to the platform, available to registered users.

Additional resources to be found in appendix:

- Tests results of this release can be found in Test cases for release 5,
- Content and Acceptance note for this release can be found in Acceptance note for release 5.

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## 7 APPENDIX

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### **APPENDIX A. LIST OF REQUIREMENTS**

This section contains the final list of requirements that are incrementally built and that is used to validate the actual features of the systems against the requirements per release.

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
U1	RQ	DF	Account management	User Registration by himself	Create user with minimal information	User can create an account using minimal information in order to begin using the portal	Login : like email or other password : selected by user, with security notion+ retype for validation, real name, email Associate user to entity (company, individual ...) or create entity Create user is not active until validation by HS admin		3		
U2	RQ	DF	Account management	User Registration by member of its entity	Create user from an existing account	Existing user can create validated users when logged in, if part of their own entity	Created user is directly active in that case and inherits from all roles from the entity. It is possible then to select services from the account		5+		Not key for the R5
U3	RQ	DF	Account management	User Registration by HS user	Create Organisation and users from HS admin	HS admin can create validated users and associate them to any existing entity	An organisation can have different representatives (corresponding to different logins) having the same right, since the right are associated to the organisation. At present, only admin (harmonet personnel) can create users. People from an organisation cannot create users		1	Y	
U4	RQ	DF	Account management	Notification	Define when to receive notifications	User or entity level definition of when users should receive mails in case of account update.			N/A	X	
U5	RQ	DF	Account management	Notify User	Notify user in case of an update to its accounts	Any time an update is done on user account or to the entity for which the user is the main contact, user should be notified	It may be possible to specify in user profile for which events notification should apply		6	X	
U6	RQ	DF	Account management	Entity Definition	Create Entity	Entity is a legal entity or an individual that will provide services. It can be created by a new user or an HS admin	Users are associated to entities, as well as services. Entity is defined by Name, billing address, contacts, mail, main contact, Roles to be covered (provider, consumer). After activation, Services to be provided or used according to roles, contracted features, payments, ... can be accessed In case of creation by HS user, it can be directly activated	4	3		
U7	RQ	DF	HS Account Management	Activate account	Account activation	After reviewing Entity or user account, HS admin can activate the profile.	By default, account is inactive.		3		
U8	RQ	DF	HS Account Management	Search account	List entities or accounts according to certain criteria	In order to activate or deactivate users, to send alerts, information, associate users to accounts ...	Search by state (active, inactive, new user...), last login date, name, email, id, role, profile information ...		N/A	X	
U9	RQ	DF	User registration	Login	Login with UID and PWD	to access HS services, user must first login.	A number of information must be accessible to non registered users, such as communication, news, login information...		1	Y	
U10	RQ	DF	User registration	Login	I forgot my password	In case user has forgotten some information to login, screen must be provided to get the information back	Like entering email + kaptcha + possibly additional information		1	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Implemented	Comment (Release)
U11		DF	User registration	Login	Lock in case of too many attempts	In order to ensure that robots do not use accounts, it should be possible to lock account in case too many invalid attempts are made			N/A	X	
U12	RQ	DF	User registration	Logout	Logout after usage	To manually quit active session	Would also happen in case of inactivity if no notion of keep alive is present		1	Y	
0	RQ	DF	Service Management	Register service	Add new data source (provide data) to an account or update existing information	Define basic information	Mnemo code, Name, associate keywords, validity period policy (public vs restricted, free vs fee) In case of restriction, provide restriction criteria		1	Y	
U14	RQ	DF	Service Management	Configure service	Register data and services	Registers the different types of data that will be made available and the corresponding services.	Data mapping for the query language between internal language and HS ontology can be uploaded Mapping is performed outside the platform		3	Y	
U15	RQ	DF	Service Management	Configure service	Manage access information	Define URLs, directories, user registration details	There can be information provided by default and the capacity to specialise per entity (if required in case of specific data being published)		3		
U16	RQ	DF	Service Management	Configure service	Manage registration of actors	list actors matching criteria or using the service, include or exclude actors having requested the service	subscribers can request the service and the provider may want to manually accept or refuse it		4	Y	Extended for RL4 to have separate view for users .
U17	RQ	DF	Service Management	Analyse service	Search actors by usage	Search who is using the service, when how often for what ...			6		
U18	RQ	DF	Service Management	Analyse service	Analyse errors on service	displays number of errors upon mapping, on searches, reasons, frequency			6		
U19	RQ	DF	Service Management	Notification	Manage notification reasons	Define the different errors that requires notification to a certain user	Several users could be notified. Could also be managed through the notion of importance associated to errors and users registering to certain importance levels.		3		
U20	RQ	DF	Notification	Notify User	Notify user in case of errors linked to a service	When an error for which user is registered, notification should occur			3		
U21	RQ	DF	Service subscription	Search service	Search services according to different criteria	Keywords, name, provider, content specific data, state	It can be used either for a new subscription (new providers, new requests from providers), or to manage existing subscriptions		5+	X	Only browsing the registry to see available data providers and external services
U22	RQ	DF	Service subscription	Subscribe to service	Manage subscriptions of services	Deactive certain services, accept or deny requests from providers, access to service details	Certain services may not be free. Consumption should therefore be accessible as well, invoices ... even if at a later stage		4	Y	Unsubscribe in RL4. Consumption, invoicing, licencing ... is not present. (should be done offline) Validity conditions should be added

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
U23	RQ	DF	Service subscription	Configure service	download data and service structures	Data and services need to be possibly mapped by subscriber.			3		
U25	RQ	DF	Query	Quick search	Search by name or code, optional restriction with a date range	Items searched often should be accessible directly by name or a key or code	Like using an exhibition code, a museum code or name, A date range can restrict results in relation with item		6		
QBS1	RQ	DF	Query	Basic search	Search using unique criteria or a combination or them	Geo data *Zone, country, region, county, city, district, point of interest: with codes (from list) or name (partial allowed), proximity notions * geodesic coordinates :unique, with range, with circle	Search criteria split by family for easier grouping		6	X	
QBS2	RQ	DF	Query	Basic search	Search using unique criteria or a combination or them	Property data * Property name (possibly partial) *Code *Ranking (official, local, provided by travelers) *Presence of infrastructure (swimming pool, golf ) *List of activities, exhibitions, events *Presence of certain features (restaurant, spa ...)	Search criteria split by family for easier grouping		6	X	
QBS3	RQ	DF	Query	Basic search	Search using unique criteria or a combination or them	Accommodation data *Accommodation type, Accommodation code, Accommodation category, Accommodation view *quantity of Accommodation *Accommodation occupancy *Begin date, end date (or duration) + possibly notion of flexibility on dates *Accommodation features (Free wifi, Chimney, bubble bath, fridge, size, communicating, ...)	Search criteria split by family for easier grouping		6	X	
QBS4	RQ	DF	Query	Basic search	Search using unique criteria or a combination or them	Traveler data Type of travelers with quantity and possibly age Traveler allocation per accommodation, per activity ...	Search criteria split by family for easier grouping		6	X	
QBS5	RQ	DF	Query	Basic search	Search using unique criteria or a combination or them	Distribution data *Brand *Vendor *Promotion indicator or even promotion code *Distribution channel *Distribution media (B2B, B2C, committee ...) *Time or request (no field, but information used for pricing) *When should the query be executed (once, periodic)	Search criteria split by family for easier grouping		6	X	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
QBS6	RQ	MH	Query	Search	Query output	* Which hotels are bookable in a city * Hotel master data * Hotel offer prices * User ratings for this hotel or area (depending on the booking channel)	Duplicate		N/A	X	
QBS7	RQ	DF	Query	Search	Filtering results	Capacity to filter using the same criteria as the search options			6		It will be implemented the query context preferences (see REQ 224)
QBS8	RQ	DF	Query	Search	Sorting results	by price, by location, by alphabetical order, by mark (in case of ranking provided), by matching value (close or far from search criteria)			6		It will be implemented the query context preferences (see REQ 224)
QBS9	RQ	DF	Query	Search	Sorting results	Capacity to aggregate several sort criteria			6		It will be implemented the query context preferences (see REQ 224)
QBS10	RQ	AV	Query	Search	Sorting results	Specify ORDER BY conditions on the result set. More than one (for example price ascending, rating descending)			6		It will be implemented the query context preferences (see REQ 224)
QBS11	RQ	DF	Query	Search	Browsing	Browsing (per page, first, last...)			6		
QBS12	RQ	DF	Query	Search	Formatting response	What field should be returned in responses according to requester			6	X	
QBS13	RQ	AV	Query	Search	?	Given one Harmonise collection, be able to get all the possible values of a given element, considering a subset of content providers (category issues).	it is required to expand the web service to search the registry		6		
QBS14	RQ	AV	Query	Search	Use Suggesto	Being able to use the Suggesto's query language (see file SuggestoQueryLanguage.doc). This language is domain independent, and allows to set conditions among elements of a specific collections.			3	Y	
QBS15	RQ	MH	Query	Search	Fred	<b>Query Input to receive data about</b> * Which hotels are bookable in a city * Hotel master data * Hotel offer prices * User ratings for this hotel or area (depending on the booking channel)			N/A	X	Dropped

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
QBS16	RQ	MH	Query	Search	Fred	<b>Basic Query</b> * Extraction Date: When should the data be retrieved * Arrival Date: When is the customer going to check-in * Departure Date and/or Length of Stay (how many nights) * Source: Where should the data be retrieved - which booking channel? * Hotel Category: qualitative market definition * Room Type * Number of Travelers * Geographic Information: country - region / province - city * Radius: catchment area - how far a hotel can be away from city center	Radius will not be implemented	N/A	X	Dropped	
QBS17	RQ	MH	Query	Search	Fred	<b>Advanced Query</b> Basic Request + a list of hotels to be queried. The intention is to target the query to specific businesses. * Hotel Name * Address: Street and Number * ZIP * City * Country		2	Y		
QBS18	RQ	MH	Query	Search	Collection and Combinaiton mapping	I think the main challenge comes from mapping conditions and combinations	Examples: give me all events from type "exhibition" from category "modern art" taking place in berlin on or after july 1st and on or before july 10th. give me all exhibitions within 20 km from berlin that are open on mornings (9-12 am) give me all exhibitions in europe which are for free (which might have worked with query by example)	2	Y		
QBS19	RQ	MH	Query	Search	Data merging from different sources	Another problem is how to solve joins from data out from different sources	Examples: give me all 4* hotels with available single rooms within 1 km from a certain exhibition in berlin about modern art (available during that exhibition) and rank by price depending on date of stay (should mean the cheapest hotel nearby during that exhibition)	6			

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
QBS20	RQ	TM	Query	Search	Example?	<p>It should be possible to address single elements from this query <i>[give me all 4* hotels with available single rooms within 1 km from a certain exhibition in berlin about modern art (available during that exhibition) and rank by price depending on date of stay (should mean the cheapest hotel nearby during that exhibition)]</i> , e.g.</p> <ul style="list-style-type: none"> <li>- only the addresses of these hotels.</li> <li>- maybe a list of each exhibition and the hotel, which is the nearest to the relevant museum</li> <li>- we could also think about offering approximation to the optimal results: In case a query does not offer a result, we could offer the closest approximation, like: No 4* hotels could be identified, but there are cheap 5* hotels and 3* hotels with high standards...</li> </ul>	I think this is an example of the items detailed earlier. Notion of Nearer will not be covered, but rest available in release 5		6		
QBS21	RQ	TM	Query	Search	List of topics not in the ontology	<p>From the euromuse.net point of view, there is still the problem how to identify the topical categories used by euromuse.net and not included in the Harmonise ontology. Questions: How can they be identified and used (without changing the mapping)</p>	Duplicate		N/A	X	
	RQ	MH		Administrative mappings	activate and de-activate several mappings				4	Y	
	RQ	MH		Access right	Limit the possibility to access only specific type of data				6		
	RQ	MH		Access right	Ability to define a timeout period for access to the system				6	X	
	RQ	MH		Access right	Limit access by number per period				6	X	
	RQ	MH		Access right	Improvement of access control management: n:m, groups of recipients, etc.				6		
	RQ	MH	Query	Administrative mappings	Transfer of files in the harmonise format	Bypass the reconciliation if the file is already in the harmonise format.			4	Y	Duplicate
	RQ	MH		Handling of data transfer process	Improve error management	Give error messages a user can understand and react to			3		
	RQ	MH		Handling of data transfer process	Configureable number of attempts to send data (make several trials when having submission problems)				6		Only manual re-sending of files if anything goes wrong upon notification
	RQ	MH		Handling of data transfer process	Simple processes to update or delete data				6		
	RQ	MH		Handling of data transfer process	Messaging: Feedback on mandatory fields, success or error, confirmation IDs, etc				3		
	RQ	MH		Sending of files	transfer of Binaries files		Duplicate		N/A	X	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ	MH		Sending of files	Multimedia files in zip-package		Duplicate		N/A	X	
	RQ	MH	Data input	Handling of data transfer process	Uploads of data to push as excel and <b>text</b> files				4	Y	But Claudio may be able to implement it, at least for events
	RQ	MH		Data push	Push data to multiple recipients or groups				3		
						Data coming in target-format - bypass reconciliation to avoid loss by harmonise "filter": is transmission specific; add flag to upload interface and to webservice					
	RQ	MH		Ontology/Reconciliation enhancements	Handling of data elements which need to be tranferred but are not covered by ontology	Dynamic mapping: idea to send data un-mapped, that is not covered by ontology or covered to serve another need. was already discussed as an option at the beginning of harmonise. those data could be passed through harmonise without mapping and added to the ontology later when the next update is coming. reconciliation engine should know that those data has to be transmitted and not delete it.			5+	X	But Claudio will code the bypassing of transformation
	RQ	MH		Ontology/Reconciliation enhancements	Extension for inheritance relationships				6	X	
	RQ	MH		Ontology/Reconciliation enhancements	Administration of reference lists and the mappings for value domain	** Ensure that mapping of reference lists of an organization can be managed in the mapping tool and used in the reconciliation engine (at least a procedure for expert users if it cannot be integrated)			5	Y	
	RQ	MH		Handling of data transfer process	Simple object identification	To identify duplicates in data sets			6	X	
	RQ	MH		Content modification	Make corrections of content (spell checking, special characters)				6	X	
	RQ	MH		Content modification	Make content-checks (e.g. for mandatory fields)				6	X	
	RQ	MH		Content modification	Change metrics or currencies		MH is not happy with the decision and will repeatedly push to bring it back into scope...		6	X	
	RQ	MH		General	Collect usage statistics				6		
	RQ	MH		General	Make logging of transfer, results and errors				1	Y	
	RQ	MH		Metasearch	Sorting of query results and exchanged data				6		
	RQ	MH		Metasearch	More search options (date on, before, after, / exhibition venue / combinations of fields / etc.)				1	Y	
	RQ	MH		Metasearch	Make better search for receiver because could be hundreds	grouping, aut complete ...			5+		Not key for the R5

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Implemented	Comment (Release)
	RQ	MH		Small improvements to the Web-GUI	ACL GUI to be checked (bugs in the visualisation bith of the administrator and of the other users)	Operation label + dropdown in same line with: "Allow push data to my system from", "Allow query on my system by" + 2nd dropdown on same line with sender id List acl service items table: change "Receiver id" label t "My system id:"  Put "Restriction" heading before dates & number of access The same for Modify acl service item (+ label to be changed)			1	Y	
	RQ	MH		Small improvements to the Web-GUI	Modify mask: show webservice configuration fields only when "http service" is selected in directory service				4	Y	
	RQ	MH		Small improvements to the Web-GUI	Make "Delete all" a button on top in logging				1	Y	
	RQ	MH		Small improvements to the Web-GUI	Make "Delete all" a button on top of all boxes				3		
	RQ	MH		Small improvements to the Web-GUI	add new error messages:	"Data transformation failed. See log file for details" "No rights for this operation. See log file for details" "Data sending failed. See log file for details"			3		
	RQ	MH		Small improvements to the Web-GUI	Load mappings as first page of administration				N/A	X	Dropped because admin layout changed
	RQ	MH		Data provision	Allow new ways to access or submit data	Microformat HTML wrapper Semantic Cluster Names RSS import (&export?)and mapping	first prototype		1	Y	
	RQ	MH	Query	Search	Get similar results, not exact results only (fuzzy search)				6	X	
	RQ	MH	Query	Search	Access control for web-query GUI	only the users of a certain server connect to perform the web query (provided by Iframe. We need also to be able to provide access rights per web query	This can be performed using tokens (not vey simple) or server authentication		N/A		Metasearch will be "free", i.e. it will not require authentication
	RQ	MH	Mapping editor	Mappings	Mapping tool shall allow to import data schema from excel		This should be solved by providing an Excel template with a macro that will generate a schema.		N/A	X	
	RQ	MH	Mapping editor	Mappings	Mapping tool shall support user in making of mappings by making suggestions	e.g. data fields from user's schema similar to a field from ontology are selected as candidates for mapping rules	Will progress in subsequent releases		4	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Implemented	Comment (Release)
	RQ	MH	Mapping editor	Mappings	Mapping tool can be used without any technical understanding of making of mappings	but knowledge on concepts and some level of IQ must be given			1	Y	
M1	RQ	TS	Mapping editor	Mapping	Dialogue driven mapping (editor)	user will be asked human-like questions, to define the mapping	Improve according to the comments made by the users		5	Y	xxxdf: add line to improve wording and dialogue for templates likes dates or language
M2	RQ	TS	Mapping editor	Mapping	Easy implementation of mapping updates	The user should be able to update minor changes within the mapping according to the error log			3	Y	
M3	RQ	TS	Ontology	Update ontology	Additional elements	Possibility of including elements to be mapped, which are not part of the Harmonise Ontology	Users want their data to be processed and not to be bound to a limited domain		N/A	D	Duplicate of line 63
U26	RQ	TS	Service Management	Individual settings	Definition of individual settings	User defines settings how to receive the data (like UTF-8-encoded, formatted as text (instead of file), etc.	Wenn die Zeichenkombination & + q + u + o + t + ; (&quot; --> ") auftaucht, dann ersetze durch das UTF-8-Zeichen "   Wenn die Zeichenkombination & + A+ u+ m+ l + ; (&Auml; --> Ä), dann ersetze durch das UTF-8-Zeichen Ä		6	X	
U27	RQ	TS	Service Management	Notification	Abbreviation notifier	User will be informed by the system in case of abbreviations between the expected content and the content received	e.g. user expects a text of a maximum length of 400 chars, user expects a specific field to contain content.		6	X	
	RQ	TS	Mapping editor	Mapping	Automatic identification of standardised elements like dates	the mapping editor can identify elements like dates, times and other repeated elements in a provided source (e.g. ids of special entities)	This is ongoing work so something will be possible in release 2 (split)		2	Y	
	RQ	TS	Mapping editor	Mapping	Automatic identification of field contents	the mapping editor should be able to identify, whether a field's content refers to a file or not, whether a file contains text or images or both	xxxAlbert: I do not understand. Please explain		N/A	X	
	RQ	TS	Service Management		Categories used by a certain user to structure content should not be dependent on a mapping, but growing with the users' offer	e.g.: euromuse.net uses a list of fixed topical categories to structure its content. This are categories like "modern art" (which are also part of the Harmonise Ontology), but also "European culture after 1800" which are not originally foreseen in the ontology. These categories are extended from time to time, due to new museums dealing with special topics not considered before. The list of categories should not be bound to a mapping and be offered to the users' of the data.	reference lists etc.		5+		Linked to REQ 63. Claudio and Marlis need to discuss. This might not be required at the beginning if we do not have too many requests. In time it could become a big headache

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ	TS	Output	File transfer	Files can be sent with the data	images and other multi media content is often part of the needs of data users. Harmonise must be able to transfer more than a link to a file, but the content itself			5+		Not key for the R5
	RQ	TS	External service	Booking of extra services	extra services can be selected on the level of a single data transfer	Data modification services should be selectable on the level of single imports/exports.			6	X	
	RQ	TS	Notification	Status notifications	user gets notified on updated content	when a data provider offers an updated (new records, changed records) the data user gets notified about a change and about the kind of change	checksum analysis. To be discussed with Christoph who handle user profile interests data		6	X	
	RQ	AV	Metasearch Scenario	Get metadata	access metadata information like categories,types of available contents...	Consumers or data owners shall be able to download dictionary references in order to use reference data directly in their system. That would diminish the need to transcode and provide a vocabulary that is easy to use and understand (and it is hopefully documented). In addition metadata should be available programmatically (API)			5+		Linked to REQ 63
	RQ	AV	Mapping process	Data sending	analysis and check correctness of content	The uploaded data file should be analysed and checked for errors. It should be possible to analyse the internal structure of the document and to skip only single containers with invalid / corrupt content in the import, while the rest of the import stays successful (currently the entire upload fails with one corrupt sign in an uploaded file).	External module BUT VERY IMPORTANT		6	X	
	RQ	AV	Semantic Registry	Explore the network	Find other partners in the network	A user should be able to identify who else has joined the network to be able to find potential partners for data exchange.			6		
	RQ	AV	Mapping process	Mapping	Mapping help service	A hotline should be available for questions (at least User FAQs or other support platforms).			6	X	
	RQ	AV	Administration	Access control	Clear and individual access rules	It should be possible to define access rules on a individual basis.	Possible on the service level, but not on a data level. Release 5 will incorporate data		3		

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
MS-1	UC		Metasearch Scenario	Harmonise Registration and Setup	The booking providers and the tourism portal register on Harmonise and set up the data flow.	<p>The booking provider and the tourism portal register on the Harmonise platform, creating an account each and set it up (i.e. uploading the mappings for data translation and query translation). Furthermore, the booking providers also specify what kind of data they can supply (i.e. what kind of search queries they can answer).</p> <p>After setting up the account, all partners with whom a data flow can be established are configured on the Harmonise platform. This means that for the portal the partners to whom a query is sent are specified and for the data providers those partners which are allowed to query are configured.</p>		1	2	Y	<p>Not booking engine but data providers</p> <p>Providers: to be specified</p> <p>Users: to be specified</p> <p>Extend to be defined but whole use case expected</p>
MS-2	UC		Metasearch Scenario	Bookable Items Search	The goal is to allow a tourism portal to offer its users the ability to search for bookable data items offered by specific booking providers.	<p>A user on the tourism portal enters specific search criteria. These include the type of bookable item to be found and specific criteria for the kind of item. For example in case of accommodation search this can include the number of persons and rooms, stay date and duration as well as specific criteria like number of stars or specific amenities (e.g. air conditioning).</p> <p>From the tourism portal's side this results in a search query for bookable data in the "query language" (i.e. the terms) of the tourism portal.</p> <p>This query is sent to the Harmonise system and distributed to the configured booking providers with whom a contract (between the tourism portal and the accommodation provider) is established. Harmonise translates the query from the tourism portal's terms to the terms of the booking providers.</p> <p>Booking providers take the query and deliver the corresponding results (available bookable items, booking price and "deep link" for booking at the provider's site) back to Harmonise. Harmonise translates the search results into the terms of the tourism portal and delivers the results to the portal in an asynchronous way.</p> <p>The tourism portal displays the results to its users, where duplicates are handled on the portal. Therefore, each bookable item must have a unique ID for each booking provider.</p>		1	2	Y	<p>Actual search should be integrated in platform for at least 2 sources</p> <p>Providers: to be specified</p> <p>Users: to be specified</p> <p>Extend to be defined but whole use case expected</p>

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
MS-2a	UC		Metasearch Scenario	Modify Results		This use case extends the use case MS-2, where a search on Harmonise has been conducted by a tourism portal. Harmonise offers a possibility to paginate and sort the search results for the portal.			6	P	Partially, without pagination Since sorting is not implemented
MS-2b	UC		Metasearch Scenario	Ranking items based on the user profile		AS extension of the MS-2 use case, the tourist portal wants to show to the user items ranked in a personalised way exploiting a recommender system which could be provided by a service provider. Items retrieved from a query are then ranked exploiting a given recommendation algorithm provided by the Recommender System			6	X	
MS-3	UC		Metasearch Scenario	Items recommendations		The user of a tourism portal desires to get recommendations about items related to a specific topic of interest. The portal provides contextual information (for example geo-coordinates or specific theme of interest), some constraints and receives back items best fitting the provided information. The user could be interacting also through a mobile device, thus on a mobile portal or with a mobile application.			6		Could be moved away
IMPORT-1	UC		Import Scenario	Harmonise Registration and Setup	The data providers and the tourism portal register on Harmonise and setup the data flow. This use case is very similar to the use case MS-1, though it does differ in details.	The data providers and the tourism portal register on the Harmonise platform, creating an account each and setting it up (i.e. uploading the mappings for data translation and query translation). Furthermore, the data providers also specify what kind of data they can supply (i.e. what kind of search queries they can answer). After setting up the account, all partners with whom a data flow can be established are configured on the Harmonise platform. In this specific case the setup incorporates the information about what data is to be retrieved (e.g. static accommodation data) and what the requirements are for the transfer (i.e. does not need to be delivered quickly).			3	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
IMPORT-2	UC		Import Scenario	Batch transfer of static data	The goal of the use case is to transfer static information (e.g. in case of accommodation: accommodation name, description, location, pictures, amenities, etc.) from the data providers to the portal in regular intervals.	The tourism portal sends a specific query to Harmonise in regular intervals asking for batch transfer of static data of a predefined kind. The time at which this batch import is triggered depends on the load of the tourism portal's servers. The query can encompass specific constraints (e.g. "accommodations from Finland"). In addition the query can contain a time when the last update was done, therefore indicating that only changes since this time are of relevance (a so-called delta update). Each data item must have an ID which is unique within the scope of the data provider. Harmonise translates the query to the local data format of the data providers and delivers it to the configured partners. The partners respond to the query with sending the corresponding data, taking the possibility of a delta update into account if possible. The responses are sent back to the tourism portal through Harmonise. Finally the tourism portal imports the data into its CMS and triggers further processing (e.g. local duplicate detection).			3	Y	
PS-1	UC		Publishing and Subscription Scenario	Data Hosting Use Case	This is to allow data providers to easily upload once or on a regular basis their data in the Harmonise portal.	A data provider wants to upload his data in the Harmonise network. Data may be uploaded once manually or regularly scheduled. A data provider wants to program regular batch uploads (for static data, for price and availability data, for booking synchronization ...) or allow retrieval via web services, at certain times, on events... Each batch may contain one or several files. There may be several batches of different frequencies. User wants to be able to define batches, events.		1	3	Y	
PS-1a	UC		Publishing and Subscription Scenario	Use of Cross Standard Interoperability		This use case extends the use case PS-1, where a data provider wants to upload his data in the Harmonise portal. When a data provider sends meta-data or categories (e.g. location), this data is often stored in different categories on the recipients side. The Harmonise service centre shall allow storing mappings between reference lists which other mappings, used by customers, can refer to. This shall allow e.g. to translate from region names or geo-codes to postal codes by referring to these reference lists - thus a user can have a region translated to a geo-code.		1	4	Y	We start with one pivot. Rest can be addressed as external service not in this project

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
PS-1b	UC		Publishing and Subscription Scenario	Sending Multimedia Content		This use case extends the use case PS-1, where a data provider wants to upload his data in the Harmonise portal. When a data provider sends some data, he may want to add multimedia files to the content transferred (included as zipped package or encoded, not linked).			6		Partially, without multimedia files
PS-2	UC		Publishing and Subscription Scenario	Data Publishing Use Case	This is to allow data providers to easily publish once or on a regular basis their data in the Harmonise network.	A data provider wants to publish data in the Harmonise network. This use case is similar to the Data Hosting (PS-1), but in this case what is uploaded and stored in the Harmonise portal are not the real data but some meta-data which are useful to describe what kind of data the data provider has to offer.			2	Y	
PS-3	UC		Publishing and Subscription Scenario	Data Enrichment Use Case	To allow data providers to transform their data according to services they would have subscribed and to associate profiles to the data so as to allow alert to be generated by the portal to non subscribers	Data provider must be able to update data and to manually or automatically associate additional information to its data to create data profiles to be used to facilitate subscription, to link data together (for cross selling or up selling features, to create logical links...). Automatic enrichment can be performed via information already present in the data itself (like product name, location information, categories and codes...).			6	X	External service
PS-4	UC		Publishing and Subscription Scenario	Consumer Association Use Case	To allow data providers to define the consumers that will be allowed to download their data	Data provider wants to be able to define to whom its data will be distributed, either per batch or per data unit. Association may be performed <b>by direct association of data consumers with data</b> (with or without negotiation) or through data information or data profile mapping (like product name, location information, categories and codes...).	This corresponds to the user group requirement and access control list		6	P	It will stay as it is also in R5

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
PS-5	UC		Publishing and Subscription Scenario	Data Download Use Case	This is to allow consumers to download data pushed by data providers once or regularly.	A data consumer wants to schedule and define download content and methodology (batch, web service, at fixed time, on events...), selecting the content to import, possibly grouping data from different providers, using differential input or even possibly using web services instead of files. A consumer batch may correspond to one owner batch or aggregates several. Consumer shall be able to define data filters to limit the amount of data to be received from the different data sources he has subscribed to. Schedules are different from owner batch. In some cases, alert of data present can be sent to consumer. <b>Alert on data changes could also be sent to data consumers for them to be able to refresh their data between batches.</b>			6	P	Only the first part is implemented, it will stay as it is also in R5
PS-6	UC		Publishing and Subscription Scenario	Data Subscription Use Case	This is to allow consumers to easily subscribe to row or enhanced data from different providers.	Data consumers need to be able to subscribe or unsubscribe to data. They can find relevant data because they are invited by data providers, because of alerts they receive or because of manual searches. Once data have been selected, subscription may occur directly or after negotiation has taken place. Data consumers need also alerts when subscribed data is updated or when new data corresponding to their profiles is published.			6		
PS-7	UC		Publishing and Subscription Scenario	Alert Definition Use Case	To allow consumers to define alerts and triggers in order to be notified if relevant events occur or if new services or data are available which may be of interest for him according to his profile.	Service Consumers should be able to define alerts using a set of keywords or data profiles so as to receive notifications in case those keywords or data are available. This may lead to a negotiation or a subscription. Moreover consumers can store search results or queries with trigger information. In case certain information in the result set change or in case new result batch queries, a notification may be sent to the user (by mail, SMS ...).			6		
PS-8	UC		Publishing and Subscription Scenario	Portal Service Subscription Use Case	This is to allow users to easily subscribe to portal services.	All types of users must be able to subscribe or unsubscribe to the services provided by the portal for part or all of their data. Example of services will be booking, items recommendation, data hosting, data modification, statistical and market analyses, etc. Some services may be free of charge and others may require payments.	What will be implemented is additional description field for conditions + URL for external page to be provided by service provider. NO payment service will be implemented		5	Y	See if we add the payment part

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
PS-9	UC		Publishing and Subscription Scenario	Negotiation Use Case	This is to allow negotiating services and data subscription through the portal in order to facilitate subscriptions to new services/data or to new consumers.	Service and data consumers shall be able to search for specific services or data outside the ones they have subscribed to. If they are interested in certain services/data, they shall be able to initiate negotiation with the service or data provider in order to gain access to them. This may end up by being able to use the service/data after validation by the service/data provider or after a contract and financial agreement has been settled.			6	X	
PS-10	UC		Publishing and Subscription Scenario	Payment Use Case	This is to allow providing a way to charge and receive payment for the subscribed services.	The platform must be able to charge, invoice and take payment for platform services as well as for the reconciliation mechanism between service consumers and providers for the data requiring payment to be used.			6	X	
PS-11	UC		Publishing and Subscription Scenario	Profile Management Use Case	This is to allow providing and managing user profiles to store preferences, filters, access to subscribed services and data.	All types of users must be able to have and maintain a user profile containing identity information as well as data profiles, filters, subscriptions, invoice...			4	P	Should be extended in every release
DM-1	UC		Data Modification Scenario	Provider Mapping	This is to allow data providers to define query and data mappings and to register these mappings.	Each Data provider expects requests to his services in a format suitable to his needs. A request either arrives at Harmonise system in the format of the data consumer or is already stored there as a request formulated in an intermediate standardised format (see WP4 Query Mapping). In the former case a transformation of the request is required using the Harmonise ontology and a transformation function (such as an XSLT artifact). In addition, responses are in the proprietary data format of the data provider and have to be transformed to the commonly agreed intermediate format. In order to do the transformation, the data provider has to offer appropriate transformation functions.			3	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
DM-2	UC		Data Modification Scenario	Consumer Mapping	This is to allow data consumers to define query and data mappings and to register these mappings.	Each Data consumer expects data to be in a format suitable to his needs. The data arrives at Harmonise system in the format of the data provider and is transformed there to the intermediate standardised format. In order to perform a second transformation from intermediate format to the proprietary format of the consumer, the consumer has to provide a suitable transformation function.			3	Y	
DM-3			Data Modification Scenario	Data Cleansing	This is to allow data consumers to apply additional filter/cleanse services on raw data.	Data collected from several data providers may contain unwanted or redundant elements for a particular data consumer (unwanted characters, duplicates...). Harmonise system may provide additional services that can filter or cleanse data.			4	Y	As external services. Services will not be provided by Harmosearch
DM-4			Data Modification Scenario	Decision support	To allow data consumers to apply additional decision support services on data such as ranking or recommender systems.	In general, search is performed either to become aware of all relevant elements for further processing (as for instance in market research, see Use Case 3, Market Intelligence) or for decision making (see Use Case 1, Accommodation Meta Search). In the latter case, decision support such as ranking of result elements according to some relevance criteria may be provided as additional service.			4	Y	As external services. Services will not be provided by Harmosearch
DM-5			Data Modification Scenario	Data Enrichment	To allow data consumers to apply additional data enrichment services on data.	Data consumer may want that raw data is augmented with additional input. For instance, accommodation search data may be enriched with data provided from additional services such as rating agencies or user ratings, weather forecast services, or additional images. Data enrichment may change the structure of the data, for instance, by adding additional XML-elements to a result item.			4	Y	As external services. Services will not be provided by Harmosearch
DM-6			Data Modification Scenario	Data Translation	To allow data consumers to apply additional translation services on data.	While the former data modification Use cases in general do not change the contents of data elements (purging a result set from unwanted characters changes the content not substantially), translation typically involves a drastic change of content. Examples are translation of textual descriptions to a different natural language, or conversion of price information from a particular currency to another currency. Additional services may provide such functionality.			4	Y	As external services. Services will not be provided by Harmosearch

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
MI-1			Market Intelligence Scenario	Submit Ad Hoc Request	A Service Consumer/Service Provider is able to submit an ad-hoc search query about accommodations and events used for analytical processing of market information conducted by a Market Analyser.	A Harmonise Participant (Service Consumer respectively Service Provider) should be able to formulate and send an ad-hoc search query collecting data about accommodations and events. The final result set serves as a basis for statistical analysis which will be conducted by external Market Analysers. In order to narrow the search focus additional filter criteria such as region or period of time may be specified by the Harmonise Participant. The Harmonise system executes the search query and returns a corresponding data set, accordingly. Thereby, the data set is constrained to the following information: price, object details, customer comments and customer ratings. In the following the data set can be forwarded by the Harmonise Participant to a Market Analyser who is capable of using the data set as a basis for statistical and analytical purposes. Compared to a regular search request the described ad-hoc request is not time-critical. It is most likely that the time-consuming execution of the data acquisition will be executed during time periods outside the office hours (e.g. night time or weekends).			4	Y	As external services. Services will not be provided by Harmosearch
MI-2			Market Intelligence Scenario	Execute Interval Request	A Service Consumer/Service Provider is able to create a new or modify an existing search interval submitting a specific search query to the Harmonise system.	A Harmonise Participant (Service Consumer respectively Service Provider) should be able to (i) create a new or (ii) modify an existing interval. Creating a new interval allows the user to specify a certain time period wherein the system executes a specific search request. Thereby, Execute Interval Request inherits the behaviour of Submit Ad Hoc Request (see Figure 25: Interval request use case diagram). Thus, it is out of the scope here to go into more detail regarding the execution of the search request (see Figure 24: Ad-hoc use request use case diagram). Once created, the interval may be saved for the sake of reuse. Consequently, the Harmonise Participant is free to load or modify an existing interval. Regarding the former the Harmonise Participant may change the interval's configuration – e.g. period of time, search query.					

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
MI-3			Market Intelligence Scenario	Analyse Data	The Harmonise system enables a Harmonise Statistician to gather and analyse log data statistically.	A Harmonise Statistician shall be able to perform statistical analysis among log data documenting how Harmonise Participants use the system. The statistical analyses are managed and configured via a status cockpit which is part of the Harmonise system. The status cockpit helps the Harmonise Statistician to interact with the system supporting the following major functionalities: (i) Enable the execution and visualization of statistical analysis and (ii) manage notifications. The former allows the Harmonise Statistician to conduct specific methods on the log data, which serves as a basis for retrieving ranked statistics on system usage as well as user group specific usage. The latter will be addressed in use case Manage Notifications and will not be further detailed. Regarding the former, the Harmonise Statistician may narrow the scope of the consumed data by defining certain search criteria (e.g. product, category, geography). In the following the status cockpit shall be able to render the final statistics in a human readable format, which could be either graphically (e.g. pie chart or bar chart) or in tabular form.			4	Y	As external services. Services will not be provided by Harmosearch
MI-4			Market Intelligence Scenario	Manage Notifications	The Harmonise Statistician/Harmonise Administrator should be able to monitor certain events and activities within the Harmonise system.	A Harmonise Statistician or Harmonise Administrator shall be able to perform statistical analysis among log data documenting how customers use the system. The statistical analyses are managed and configured via a status cockpit which is part of the Harmonise system. The status cockpit helps the Harmonise Statistician to interact with the system. Its purpose is twofold: (i) to enable the execution of statistical analysis and (ii) to manage notifications. The former has already been described in use case Analyse Data. The latter triggers when the system should inform the Harmonise Statistician or the Harmonise Administrator about certain circumstances. The notification mechanism would allow a seamless monitoring specific to the needs of Harmonise. For example it is crucial to react as soon as possible in case of reoccurring transaction failures or services.			4	Y	As external services. Services will not be provided by Harmosearch

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Implemented	Comment (Release)
MI-5			Market Intelligence Scenario	Log System Activity	The Harmonise system shall be able to log certain activities conducted by Harmonise Participants. The collected data serves thereby as a basis for system-specific analyses.	The Harmonise system shall be able to recognise specific activities which are executed by a Harmonise Participant. A specific activity in the context of this use case is seen from a general point of view addressing all activities which may be of interest for statistical as well as system analysis – e.g. recognition of transactions between Data Providers and Data Consumers. However, the logging mechanism should not be restricted to user triggered activities. In addition it is also considered to log the system's behaviour regarding critical events such exceptions or environmental related data (e.g. number of online Harmonise Participants, etc.). In addition, the log-data will also be used as input for other use cases (e.g. Analyse Data or Manage Notifications). Consequently, the logging mechanism has to be very flexible regarding the recognition of system activities as well as the extraction of meta-information for a particular activity. Thus, the Harmonise system has to be able (i) to evaluate the relevance of an occurring activity, (ii) to extract the activity's meta-data and (iii) to write the log-data to a log data source (e.g. database or log-file).			6	P	Already implemented the logging of activities performed by the participants. No time to implement a GUI to query the logs in R5.
	RQ	HS	HS Front End	Public information	Provide information on HS + How to register to become a new member		Start with release 4 and update in release 5	2	5	Y	
	RQ	HS	Service Management	Register service	Add ability to link data sources and mapping files	Multiple data source and each can have multiple mappings. Admin must be integrated in the harmosearch admin			4	Y	Need to specify which one is the default one
		HS	Service Management	Register service	Add external services		Duplicate		N/A	X	
	RQ	MH	Administration	General	Improve logging to include errors	Initial logging does not implement exception handling. This needs to be added		2	3		
RL1	RL	HS	RELEASE	Definition of the release	Definition of the key components for the Harmosearch platform	Definition of the Harmosearch Query Language ontology Semantic registry component (implementation of query language for the registry) Metasearch core Engine implementation (login, user and accounts management, file upload and download) Crawler prototype based on microformat semantic annotations		1	1	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Implemented	Comment (Release)
RL2	RL	HS	RELEASE	Definition of the release	Integration of the different components in order to have a metasearch running and have a first release of the mapping tool	<p>Providers: Euromuse (Events), Museollitto (Events), Biella (Events, Attraction), Facebook (Events, Attraction)</p> <p>Consumers: Harmosearch, Labtrip, Euromuse, Teletlas</p> <p>Subdomains: Attraction, Events</p> <p>Minimal search criteria: Subdomain (0..2), Location (City, Country)(0..1), Date (Range)(0..2), Category(0..*). <b>If no response, remove criteria C&lt;D&lt;L&lt;S.</b></p> <p>Expected output: HTML result list no paging, Name, summary, date if present, location, media if present ...</p> <p>Whatever is present in response</p> <p>Mapping Tool: first version to be demonstrated: Events only, KHM used for demo, Biella, Museollitto</p>	<p>Biella: XSD provided by Adriano</p> <p>Museollitto: XSD provided by Claudio (already svn: \Code_Repository\server\data\mapping\SML)</p> <p>Museollitto ==&gt; No because not ready</p> <p>Facebook ==&gt; No because no answer</p> <p>feedback from Laptrip: until you get us an easier way to get location data, we will not use</p> <p>Teletlas: not interested in event information</p> <p>Euromuse: no answer yet</p>		2	Y	
RL3	RL	HS	RELEASE	Definition of the release	Have a complete system ready for commercial launch	<p>Subdomain: Events</p> <p>Providers: Biella, Euromuse, Crawler,</p> <p>Consumers: Euromuse, <b>Adriamuse?</b></p> <p>Content:</p> <ul style="list-style-type: none"> <li>* Integration of the mapping tool into the system: download install from portal/ Assisted mapping upload and mapping validation</li> <li>* <b>Enhance mapping tool to map the queries as well</b></li> <li>* <b>integration of user interface for registry</b></li> <li>* have complete functional metasearch interface and API (web service)</li> <li>on one domain: events</li> <li>* Implement scheduling capacity including user interface to parameter the scheduler</li> <li>* <b>have reference list mapping methodology with one base reference list for mapping</b></li> <li>* <b>Define how to manage parameters on mapping (language, currency...)</b></li> <li>* <b>Integration of Crawler. Setup of semi automatic procedure to periodically update indexes according to the providers configured in the semantic registry.</b></li> <li>* Register a new provider from the portal (crawler and API)</li> <li>* Scenario and prototype to register and setup a new organisation (providers and consumers)</li> <li>* Scenario and prototype to Improve usability of portal</li> </ul>	Feb 2012		3	P	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
RL4	RL	HS	RELEASE	Definition of the release	Apply the tools to enrich the system	<p>Subdomain: Events, Accomodation</p> <p>Providers:Biella, Euromuse, Ec3Networks, Afidium</p> <p>* Consumers: Harmosearch Facebook, Twitter, Foursquare (move to release 5, Google Plus (not because proved impossible) only for events from Biella and Euromuse</p> <p>* Extend HS portal to query and display results for hotels (display category according to domain)</p> <p>* push the information to social networks</p> <p>Have a complete commercial portal with 1 operational subdomain (event, )+ user friendly mapping tool</p> <p>* Add plugging capacity for external services (impact on user rights, interface and payment and implement the process with validation of subscription and validation of licences). Filtering external services will be added)</p> <p>* Improve graphical interface of portal</p> <p>* Improve labels as well and add helpers</p> <p>* Allow multiple mappings (event mapping, hotel mapping)</p> <p>Mapping Tool:mapping of reference list and editor improvements</p> <p>* Simplification to data import by using an excel template for events and one for hotel. Allow import of ics calendars.</p> <p>Upload the file.</p> <p>* Provide simple minimal input format for events and hotels for data publication.</p>	June 2012		4		

D	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
RL5	RL	HS	RELEASE	<a href="#">Definition of the release</a>	Fine tuning the system	Also see content of word tile Subdomain: Events Providers: Euromuse, Web provider (using the online form), Biella, Crawler using microformats or ics, Museum Portal Berlin Consumers: * Scenario 1: publish: Facebook (HS and persona) for events and status update, Twitter (HS and personal) , for events from Biella and Euromuse and web provider * Scenario 2: metasearch: B2C user on the event site * Scenario 3: import qualified content: Dummy consumer and later partners such as Pixmeaway, ETC Portal: finalise the basic requirements (like user management) and Expand the event scenario: input from at least 2 sources, have capacity to qualify and enrich, publish in 2 or three distribution channels. Have a cache to distribution ready and minimal scoring notions in place. * Complete Harmosearch Platform including the features and latest graphical layout ** data enhancement (addition of keywords, qualification, rating) ** Scoring could be counting the number of times data is retrieved. Notions must be defined ** Improve registry management interface to easily store and browse data ** Have interface per user role ** Integration of Crawler. Setup of semi automatic procedure to periodically update indexes according to the providers configured in the semantic registry. ** Expand Crawler for easy configuration ** Allow sorting and filtering capacity to the meta search before providing the result (only on cached data) ** Process to build unique identifier reference * Additional Community site HarmoEvent (from input, import to distribution and search) in complement to	<a href="#">Feb 2013</a>		5	Y	
	RQ	HS	Metasearch Scenario	Search page	Extend user interface to specify the search criterias and encode the user query into the HTO query language	Try to create the user interface that is flexible	However must meet minimal requirements on time		2	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Implemented	Comment (Release)
	RQ	HS	Metasearch Scenario	Search page	Allow a HTO query to be pasted in a form with a unique textarea	Also allow direct use of a query string in a web service interface			2	Y	
	RQ	HS	Metasearch Scenario	Query processor	Transform the query for each provider				2	Y	
	RQ	HS	Metasearch Scenario	Integrate the metasearch service	Integrate the search engine (standard connector). Each output is HTO				2	Y	
	RQ	HS	Metasearch Scenario	Accept different output format	Allow raw or specific output format to be specific				6	X	
	RQ	HS	Metasearch Scenario	Integrate Reconciliation	Transforms from one format to the other (either request or response) based on specific mapping				2	Y	
	RQ	HS	Metasearch Scenario	Transform HTO into output HTML	to display the result list	to present results nicely	Can be removed if no time	29	2	Y	
RCR1	RQ	HS	Crawler	Populate SOLR database	Select a limited number of relevant Google queries or URLs to crawl from facebook	This is in order to populate the demo database. Limitation to microformats for events (hcalendar)	\$DO: complement the requirement for later stage		N/A	X	because facebook does not accept. Will try Facebook API
RCR2	RQ	HS	Crawler	Integrate in metasearch	SO as to get results in the result list	Description will come later after session with Claudio	Configuration, launch, indexing does not have to be within the user interface at this stage	1	2	Y	
RCR3	RQ	HS	Crawler	define an initial business scenario for the crawler, define providers or lists of urls	Define the target content to be expected and get the corresponding providers	\$DO+DF describe expectation			N/A	X	
RCR4	RQ	HS	Crawler	Read different annotation formats	Enhance version so as to allow easy definition of additional annotation formats without creating new connectors	At least microdata			5	Y	ICS calendar?
RCR5	RQ	HS	Crawler	List of recommended annotation	define sublist of microformat codes + example on how to use it, relevant for use in HS				3		
	RQ	HS	Metasearch Scenario	Enable metasearch to be invoked through a web service					3	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ		Crawler	Populate SOLR database	differentiate real and wrong events and how to process big amounts of data				3		
	RQ		Crawler		Use google as a starting point to crawl				6	X	
	RQ		Upload	Select receivers	Multiple receivers	Extend feature to allow multiple receivers to be selected before upload is invoked	At present only one receiver is present		3		
	RQ		Semantic Registry	Integrate in metasearch		Technical interface to integrate Integrate missing information in the response (and config) (mapping id, connector id) \$Todo: complement if required Implement access control			2	Y	
	RQ		Semantic Registry	User interface to configure the registry		Editing and entering data (subdomain, data description, provider properties)			3		
	RQ		Semantic Registry	Use mapping as an aid to configure registry		This is linked to the learning out of mapping or queries			6		
	RQ		Semantic Registry	Service registry			Duplicate with next one		N/A	X	
	RQ		Semantic Registry	Add features for the subscription scenario	Subscribe to external services				4	Y	
RCR8	RQ		Crawler	Populate SOLR database	Create field containing keyword limited to the events	This will allow to retrieve only events targetting the search instad of searching the whoile page content	inrelation with Test case CR4		2	Y	
RCR9	RQ		Crawler	Populate SOLR database	Refresh database to update obsolete content		in relation with test case CR5		3	Y	But not automatic
	RQ		Crawler	Configure service	Configure in the semantic registry which content to use from the crawler	We need to address the fact that a crawler can have different content and the content should be addressed in the semantic registry and not the crawler itself	can be solved by 1 crawler = 1 content but might be complex to implement		3		
	RQ		Portal - Homepage	User is not logged in	User cannot see menus nor access services, except to create a new account or login	When user is not signed in he should see the welcome page only and have the capacity to sign in: no fonctionnal menu should appear	At present, menus are visible with error message if accessed, except metasearch, always accessible (in relation with tests case CM1)		3	Y	
	RQ		Portal - Homepage	Create new user	Self registration of user	User can create an account using minimal information in order to begin using the portal, at least in a minimal way until validation	Must probably define the process or remove this feature. (in relation with CM19)		3	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ		Portal - Admin.Access Control	Configure access to all	Accept all as a way to configure users				3		
	RQ		Query	Output format	Have the capacity to express that a response should/may contain certain fields	preference for some fields, template for output formats			6	X	
	RQ		Query	Notion of flexibility	Provide more precise information in order to order removal of non mandatory criteria				6	X	
	RQ		Query	Precision	Allow expressing notion of how to use the input criteria	Either use exactly the information, or there is some leeway (like +/- 2 DAYS	Try to Integrate notions like narrower, broader, exact...		6		
	RQ		Query	Crossdomain queries	Allow query over several domains in the same query				6		
	RQ		Query	Location searches	Location with a generic code (IATA, ONU ISO ... could be searched using the codes	Cities because already OK for countries	This will be possible only for the items within the reference lists. Analysis will be performed for release 4		6		
	RQ		Query	Combine And and Or recursively	Allow queries that combine and and ors on several levels	RQ corresponds to test case 5.4			3		
	RQ		Query	Search with geo point	Allow searching with point + Radius	RQ corresponds to test case 6	This is not a priority		6	X	
	RQ		Portal - Homepage	Menu bars	Correctly handle redirections and layout and content of menu bars	RQ corresponds to CM 18			3		
	RQ		Portal - Signon	first time user	handle capacity for first time user to decline agreement then logout out automatically				3	P	
	RQ		Portal - Admin	Improve ergonomics and coherence of forms		RQ corresponds to CM22 and CM25, CM 24			3	Y	
	RQ	MH	Mapping editor	Mapping trial run	Make trial run with new mappings	After making a mapping, the user shall be able to run a mapping with a sample file to test the mapping			2	Y	But need to have the capacity to see the result in HTO

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ	MH	Mapping editor	Mapping	The mapping tool shall integrate knowledge on making of mappings	It shall provide a guide to the process, best practises for mappings, etc.	This is ongoing work so something will be possible in release 2 (split)		2	Y	Partly. This is ongoing work
	RQ	HS	Mapping editor	Mapping	Add ability to easily add parameters to a link without having to write complex path	like adding currency to a price, language to a text, country code to a text... <b>using an information within the file to map</b>	Possibly there is a need to have intermediate mapping if codes are not standards		6	P	Parameters can be set, but not using infomration within the file Not OK in release 4. Moved to release 5
	RQ	HS	Mapping editor	Mapping	Support the user in finding the right field	in the HTO ontology. This supposes that we can first use the annotation information but also that it is likely to be extended to have a nice name, additional structured information...			4	Y	
	RQ	HS	Mapping editor	Mapping	Allow many to one and one to many mapping	Like Description.Title goes to Title and Like Description.Body goes to long description			3	Y	
	RQ	HS	Mapping editor	Mapping	Improve usability		Start with release 4 and update in release 5		N/A	X	
	RQ	HS	Mapping editor	Mapping	Improve flexibility	in the capacity to map different situations	Unclear what it covers?		N/A	X	
	RQ	HS	Mapping editor	Mapping	Improve capacity to integrate new mapping	based on real life schemas in different subdomains			4	Y	
	RQ	HS	Mapping editor	Mapping	Integrate output mapping into the metasearch engine				5	Y	Moved to release 5, Because Claudio did not provide the web services (One to import the mapping tool, one to upload and one to retrieve instances from the metasearch engine)
	RQ	HS	Portal	User Registration	Any time user registers he should receive the link where he can login in the email				3		
	RQ	HS	Portal	Search criteria	Allow to select groups of providers	based on the groups in the semantic registry			5+		Duplicate
	RQ	HS	Semantic Registry	User interface to configure the registry	for the user to enter the location, data, category... corresponding to its data	Improve a little, for instance to specialise per users (limit access).			5	y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ	HS	Semantic Registry	Automatic learning of the content of the data through the searches		We need to provide liited effort to match the description of work.	This knowledge comes from: data explicitly inserted by tourism organizations when registering the service; information acquired from the mapping that each organization defines; <b>annotations enriching the contents exchanged among partners</b>		6		
	RQ	XX	Mapping editor	Transform HTO into output HTML	In order to display results in HTML				3	Y	
	RQ		Technical requirements	Ensure that it is possible to map and search data in several languages	It must be possible de define one or several language for search or mapping	First identify the extend of the problem and point out possible solutions	if no language is defined?		6		
M2	RQ		Mapping Interface	Reference list	Be able to synchronise reference list and mapping between portal and mapping tool	a mechanism between the tool and the portal to synchronize files	Minimal implementation will be covered by line 186 (Integrate output mapping into the metasearch engine). It is already possible to refresh reference list from the portal.		5+		To be discussed with Albert for clarification
	RQ		Portal	get mapping tool	From portal, it must be possible to install the mapping tool				3	Y	
	RQ	HS	Mapping Interface	Reference list	Be able to map list of references to generic lists supported by the portal	Mapping between general lists will be performed by Harmosearch			4	Y	
	RQ	HS	Mapping Interface	Mapping validation	Allow mapping tool to use the meta search query to retrieve instance data to be used for validating mapping				6	X	validation is in portal and not mapping tool at present Not in release 3 Because Claudio did not provide the web services (One to import the mapping tool, one to upload and one to retrieve instances from the metasearch engine)

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ	EE	Metasearch Scenario	Result list	Differentiate between results from crawler and from native connections	Differentiate in the data and in the interface and ensure that the provider behind the crawler is seen as the provider			3	Y	
	RQ	EE	Metasearch Scenario	Search criteria	Free text input	Allow limited free text input	Define what free text content should be parsed. Probably very limited...		5+		Added after review
	RQ	CP	Metasearch Scenario	Search	Search with Parallel queries				3	Y	
	RQ	CP	Metasearch Scenario	Portal Service		Clear interface for the complete portal, like the registration process	Duplaicate fro GUI helpers and labels		N/A	X	
	RQ	HS	Ontology	Prices	Define how to handle offers				6		Need to discuss it on Tuesday
	RQ	HS	Publish and Subscribe	Use groups	Allow groups of consumers or providers to be defined and used in metasearch and import, export				5+		Duplicate
5	RQ	IM	Mapping editor	Mapping	flexibility of the mapping process	structure a mapping process in a way that the editor does not feel like he or she is in a never ending questionnaire, a tool that resembles an entry form of an exhibition, would allow him or her to start wherever they like and save and continue when they decide.	The present tool, though not delivering that feature, is considered OK		N/A	X	
6	RQ	IM	Mapping editor	settings 1	system elements (schema, filters, patterns...) should load automatically	Before the actual beginning of the mapping there are always some SETTINGS to decide, but if the user only parts from the own xsd, other necessary elements (filters, HTO schemata, patterns) should be default settings.			3	Y	
7	RQ	IM	Mapping editor	settings 2	multilinguality support	a language is chosen, this decission should be set as default by next time the user opens the tool. Multilinguality only affects certain fields (<title><description> and <short description>)	currently euromuse does not define languages on the tags, the <description> contains information in the local language (23!), otherwise <description_en> is always in english. Possibility to define by default a language in the mapping tool		6	X	Not implemented. AR says it is commented, but we could not see it.
8	RQ	IM	Mapping editor	settings 3	pre-configured type of mapping through dialogue	maybe a pre-configured dataset could be loaded introducing an initial question (i.e. type of event), the fields should be then re-named or fields could be added in case the default "exhibition" fields are insuficient	this would apply certain filters to the hto xsd schema		4	Y	
9	RQ	IM	Mapping editor	Mapping	guidance to the user while linking	if the links can be adjusted in the dialoge-popups, these should contain some information what the user is supposed to do.	the dialogs that shoud allow to define i.e. date format to the individual strings, were no different from those in the RC I tested. It is half covered with task lists.		4	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ	HS	Metasearch Scenario	Result list	Quality of the results	Provide information that shows if data is missing or wrong when coming from different sources			3	Y	
	RQ	CP	Metasearch Scenario	Result list	Quality of the results	Show complete information (all what is retrieved from the data provider) and put "not available" when the information is not available without leaving empty fields			3	Y	
	RQ	CP	Metasearch Scenario	Result list	Quality of the results	Do not show results which don't match the search criteria (e.g. out of date results)			3	Y	
	RQ	CP	Metasearch Scenario	Result list	Results pagination	Scroll-up results page when clicking on previous or next			4	Y	
	RQ	CP	Metasearch Scenario	Result list	Quality of the results	Show "permanent" in case of permanent exhibitions			3	Y	
	RQ	IM	Mapping editor	mapping	getting attractions data (like museums)	get geo-location easily from museums into harmonise	the use of reference lists increases the mapping effort. Geo locations must first be added to hto then mapping can be performed. Information is present in Euromuse	N/A		X	Because geo locations are not supported in HS
	RQ	IM	Mapping editor	mapping	integrate the existing museum data (now available through reference lists) into the new GUI	right now is possible to query euromuse to restrict the search to a city (which already works with reference lists), it should be possible to give out the museum name (Location)	xxxIM please clarify		6		
	RQ	HS	HS Front End	GUI	Improve graphical interface		Start with release 4 and update in release 5		5	Y	End of July with first intermediaite version
	RQ	HS	HS Front End	GUI	Improve labels and helpers	Improve text, allow configurable text via config files?	Start with release 4 and update in release 5		5	Y	Need to display hints + provide texts
	RQ	HS	Technical requirements	Web Service	Provide pagination of results	For the metasearch web service		5+			Not key for the R5
	RQ	HS	HS Front End	Management		Have specific interface according to user role			5	Y	
	RQ	HS	Service Management	Management	Implement the inclusion of external services	New external service in the portal: define, configure, select consumers to show and licence agreement for service provider			4	Y	
	RQ	HS	Service Management	Management	Implement the inclusion of external services	Implement the subscription request from a service subscriber + licence agreement from consumer agreement			4	Y	
	RQ	HS	Service Management	Management	Implement the inclusion of external services	Implement the validation of subscription and the service becomes available			4	y	
	RQ	HS	Service Management	Management	Implement the selected external services	Moderator service before publication, with minimal quality control check (automated)			4	Y	

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
	RQ		Semantic Registry	Alert subscription	Subscribe to data to be notified when they are changed				6		Duplicate
	RQ	HS	Metasearch Scenario	Language selection and context interpretation	Interpret the context	Capacity to take into account the language and more generally context selection (style of output, priorities, filters, order...)			6		Possibility to specify some "context" preferences when submitting the query.
	RQ	HS	Import Scenario	Alert Definition	Send alert when data has changed on the provider side so that consumer can refresh	Alert on data changes could also be sent to data consumers for them to be able to refresh their data between batches.			6		Duplicate
	RQ	HS	Mapping editor	Query mapping	Perform query mapping in the mapping editor	This is not retainedtutorial		X	x		Since mapping tool is too much behind
	RQ	HS	Mapping editor	Reference list mapping	Perform mapping of reference lists	Could be within the editor or triggerred by the editor and performed in a web application			4	Y	
	RQ	HS	Portal interface	Query mapping	Provide a step by step	Directly accessible in the portal in the same place as where to import the query mapping files			4	Y	
	RQ	HS	Crawler	Semi automatic refresh		A new crawler will be used and this will be performed. What i snot included is the integration of the crawker configuration into the semantic registry. This will be performed through an xml file (only performed by an expert.			5	Y	
	RQ	HS	Data import	Simple data import	Upload Excel file	Upload file, display in a table. Allow manual update and save			N/A	X	Dropped because duplicate of 59
	RQ	HS	Data import	Simple data entry	Manual input of data in HS	Events and hotels can be directly entered in Harmosearch input form (same as for Excel validation)	Ok for events only		4	P	But Claudio may be able to implement it, at least for events
	RQ	HS	Management	Configuration	Wizard to configure easily a connector or a push process	For instance to define pushing to a facebook page or to configure a push to one system			4	Y	
	RQ	HS	Query	Configuration	Wizard to save a query into a scheduled query to be launched automatically	With or without intermediate step to filter before publication			4	Y	
U2	RQ	DF	Account management	Allow roles for user	Users are associated to one or several roles	Roles are used to specialise the services and access	For instance a role to publish or to publish events, to search events...		5	Y	Only by admin through liferay interface

ID	Type	Author	Group	Action	Requirement	Description	Comment	Prio.	Release	Imple- mented	Comment (Release)
U2	RQ	DF	Account management	User Registration by member of its entity	Create user from an existing account	Existing user can create validated users when logged in, if part of their own entity	Created user is directly active in that case and inherits from all roles from the entity. It is possible then to select services from the account		5+		Duplicate of REQ 3
	RQ	HS	Service management	Define how we charge and follow the services		Maybe through the analysis of the logs	It is possible to get the logs from a database to excel for instance to process the data. The analysis would be external to the application		5	Y	may be once we really need it...
U22	RQ	DF	Service subscription	Subscribe to service	Manage subscriptions of services	Extend input to allow more description for the service and user when selecting a service should have the capacity to have a page detailing the service (info from direct input and registry ....)	Add URL to an external page will be done. In the user role, it could be added the right to see the registry of others		5	Y	
	RQ	DF	Account management	User Management	User Profile Update	Add a new item in the config menu to update the profile			5	Y	
	RQ	HS	Mapping editor	Wording and templating	Improve wording for the helps and the items in thee list + add capacity to reuse previous mapping	value-of to change into something more user freindly, like mapping of langauge dependent items or opening hours: do it once and they have something in a list + reuse			5	Y	Partial. Could still be cgreatly imporved
	RQ	HS	Data input	data enhancement	addition of keywords, qualification, rating	This will be performed at the registry or provider level, not at the data level	This would for instance correspond to general keyword or location aded to all items		5	Y	
	RQ	HS	Data input	Scoring of data	Scoring could be counting the number of times data is retrieved.	This is not entered by users, but defined from usage	Nb of times it is in a search Nb of times the items is present in different data sources Completeness of the data (number of fields filled) according to the source itself (reliability...)		5	Y	
	RQ	HS	Crawler	Configuration	Expand Crawler for easy configuration				6		
	RQ	HS	Metasearch Scenario	Sorting	Sorting before response is returned	Allow sorting and filtering capacity to the meta search before providing the result. Filtering corresponds to additional search criteria. This will not be implemented in the current metasearch, but will be an additional features only in relation with the <b>cached data</b>			5	Y	
	RQ	HS	Data input	Process to build unique identifier	to reference for the cache to identify unique items				5	Y	
	RQ	HS	Publish and Subscribe	On social network	Improve format on the output	see result of the test cases Add link of landing page for instance, capacity to filter published items according to date range ( <b>Ines will explain in Mail</b> )			5+		

## **APPENDIX B. TEST CASE DOCUMENTS**

This section gathers all the test cases that were filled for each release (PDF files extracted from Excel documents). There may be several documents per release.

The PDF exports only contains the tests results. The content of the Help section has not been exported in each PDF, as it was already reported in the section "[Documentation of the test case form](#)" of this document.

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### **Appendix B.1. Test cases for release 1**

Test cases for the 1<sup>st</sup> release were divided in 4 documents:

1. Test Case Release 1 – Crawler
2. Test Case Release 1 – Portal
3. Test Case Release 1 – Query
4. Test Case Release 1 – Semantic Registry

The results of all those excel documents were exported and included in this section.

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	19/08/2011	Actual Result
CR1	CR1	1	Crawling	Initial Crawling: Crawl and parse events that are tagged as microformat vevents on web pages.	Add a website containing microformat event tags (e.g. <a href="http://sabineschneider.it/harmosearch/">http://sabineschneider.it/harmosearch/</a> ) to NUTCH_ROOT/urls/nutch and as regular expression to NUTCH_ROOT/conf/crawl-urlfilter.txt. Then start the crawling process using a Unix terminal (Cygwin for Windows users) starting from the NUTCH_ROOT directory by calling <code>bin/nutch crawl urls -dir crawl -depth 2</code> .	Expected result: The events marked as vevents on the specified pages and all pages which are linked to from the given root site up to the chosen depth are parsed and listed in the directory NUTCH_ROOT/crawl in a proper format.	Req: the list of urls should come from the semantic registry (not manual)	O	Initial search shows nothing in database. After comleting, new directory is visible. Nothing to search yet.
CR2	CR1	2		Indexing: Index parsed events and populate a SOLR database with the tagged event information.	Having crawled some events, start SOLR by calling <code>java -jar start.jar</code> from SOLR_ROOT/example. As soon as the database is running, call the indexer from NUTCH_ROOT by typing in a Unix terminal <code>bin/nutch solrindex http://localhost:8983/solr/crawl/crawlddb crawl/linkddb crawl/segments/*</code> where the port number 8983 of SOLR has to be checked.	Expected result: The indexed events and all the tagged and parsed information fields are contained in the SOLR database as distinct items, from which they can be read out using queries.		O	Validation only performed by step 3
CR3	CR1	3		Querying SOLR database: Send a query to the populated SOLR database, to obtain information about the crawled and indexed events.	After having crawled and indexed some events, go to the SOLR admin panel, located e.g. at <a href="http://localhost:8983/solr/admin/">http://localhost:8983/solr/admin/</a> . Type the query in the second text field (Query String): Use <code>*:*</code> to obtain all the entries of the SOLR database. As an alternative to the SOLR admin panel, the query can directly be sent as a url, e.g. using <a href="http://localhost:8983/solr/select/?q=%3A*">http://localhost:8983/solr/select/?q=%3A*</a> which again returns all database entries. To search for specific information, e.g. for meetings, type in the admin panel <code>summary:meeting</code> or alternatively use <a href="http://localhost:8983/solr/select/?q=summary%3Ameeting">http://localhost:8983/solr/select/?q=summary%3Ameeting</a> directly to run solr: <a href="http://localhost:11983/solr/admin/">http://localhost:11983/solr/admin/</a> (after launching tunnel)	Expected result: An XML formatted document is returned, containing as response to the given query various result documents, one for each event. Each such document contains tags for all event fields that were tagged, parsed and indexed. In the first case, all events contained in the database will be listed, in the second sample case only the events whose summary contains „meeting“ will be given as results.		O	Same extract all query returns data provides info. Info from extracted pages has been found! 12 found
CR4	CR1			Add a new web page to the crawler	Same as CR1, but not starting from first page. New URL added: <a href="http://www.commerce.net">http://www.commerce.net</a>	Redo also indexing and querying to validate that new data is present in the response		O	The new information has been added
CR6	CR4			Search precise information	We search Melanoma only present in 1 article on the new site (possibly article indexed several times though)	Expected result: list one event or same event several times		X	We find many events in the response with keyword Melanoma and most article do not contain this term.
CR5	CR1			Refresh cache	Content of SOLR Database is considered obsolete. Relaunch complete or partial update	Redo also indexing and querying to validate that updated data is present in the response. Change content on one event to validate the new one and add an event to a multi event page.		x	Reindexing does not work. Once a page is indexed, it will not be indexed again so changes are not tracked, except after 30 days (but we could not test)

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	23/08/2011	Actual Result	Output (XML, Screen ...)
			Home Page						
CM1			Home Page	Access home page, without signin	When user is not signed in he should see the welcome page only and have the capacity to sign in: no fonctionnal menu should appear	This might be a new requirement though. Furthermore, on the home page, an additional formal which would be very visible should allow signin. Could be the form access in the Signin page repositionned in the home page with text around.	X	Menus are visible (though not all accessible). Search is accessible: that seems a bug because, then it is not possible to restrict the access to the content	
CM17			Home Page	Navigate the menus	Content should have same layout for the different services		W	Out menu has differnet layout with Navigation item present	<a href="#">NavigationItemPresent</a>
CM18			Home Page	Navigate the menus	Click on Liferay in the navigation part		X	Get error link	<a href="#">ErrorOnLiferay</a>
CM19			Home Page	Access user account	Click on user name (after sign in)	should access user page	X	Nothing happens for David Faveur, but works for harmonise user	
			User Management						
CM2			User.Auth entication	Valid user registration	Using id and password of standard user	registered users are in readme.txt file in E:\Sync\svn.partagé.Harmosearch\Code_Repository\server\install rimini-museum-usr1, EMAIL=rimini-museum-usr1@harmonet.org, PWD=rimini-museum-usr1, ID=10869, ORG=rimini-museum, ROLE=User	O	accesses the portal though intermediate licence page; Only the first time after the user has been created. Redo signin after logout. OK direct without licence	
CM3	CM2	CM2	User.Auth entication	Valid user registration, but disagree on policy	Licence message is displayed: Disagreeing should probably logout after displaying a message		W	Message displayed, but stays on licence page: therefore stuck until agreeing. Should we keep the behaviour or change to logout?	
CM4	CM2	CM3	User.Auth entication	Valid user registration, agrees on policy	Agree on licence agreement. Shoiuld access services		O	Access services after reminder question. All menus are accessible (not test done on menus) Available menus in admin is:	<a href="#">Admin Menu Standard User</a>
CM5	CM2	CM4	User.Auth entication	Logout	Returns to home page		O	OK	
CM6	CM2		User.Auth entication	Valid user registration	Using id and password of standard user, after initial sign in + Add remember me	No licence is expected. Sign in kept if browser closed	O	accesses the portal direct without licence page. Closed browser. Reopned browser. Access URL. Sign in kept.	
CM7	CM2		User.Auth entication	Valid user registration using Open ID					
CM8	CM1	CM1	User.Auth entication	Access sign in page			O	Access page OK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	23/08/2011	Actual Result	Output (XML, Screen ...)
CM9	CM1	CM8	User.Auth entication	Return to home page			W	Return to Home Page OK. However, label is unclear. I would prefer Return to Home Page or just home page	
CM10			User Managem ent	Create Account	Create Account without being signed in	Filled First and Last Name, Email and captcha.	W	Could create account. Mandatory fields are not marked (compared to optional Notion of screen name I do not understand Content of received mail a bit limited and wierd (received twice)	<a href="#">Create Account</a>
CM11		CM10	User.Auth entication	Signin with new account	Using email and password taht was provided	Apparently does not work (as said in doc.)	O	SignIn as david Faveur ==> OK as new registration with licence I am not sure of content of user settings and why do I not have the list of the other users (that work)	
CM12		CM11	User.Auth entication	Access services	Login with new user information	To access the different services	X	No service is accessible. Exactly as if not logged in	<a href="#">NoServiceAvailable</a>
CM13	CM2		User.Auth entication	Use Forgot password	Provide valid information		O	process OK on portal. Finished after received the mail (took a few minutes	<a href="#">ResetPasswordMail</a>
CM14	CM2	CM13	User.Auth entication	Use Forgot password	Provide invalid information		O	requires valid data to be provided.	
CM15	CM2		User.Auth entication	Valid admin registration	Using id and password of administrator		O	OK	
CM16			User Managem ent	list all users			W	Only the users that I created manually are present. Where are the others? ==> AV has solved the issue	
CM20	CM2		User.Auth entication	Invalid user registration			O	Error message is displayed. Pwd cleared, email kept	
			MANUAL INTERVENTION FROM ADRIANO		To allow the use of the new user to test the harmonise features		X	The issue on the user comes from the fact that no organisation is associated to the user. Once manually assocaited, most features seem to work (see below)	
CM21	CM11		User.Auth entication	Signin with new account	After association of user to an organisation	Organisation also created manually	W	SignIn OK, Access to all menus, <b>except Inbox</b>	<a href="#">SignInNoInboxAccess</a>
CM42			User.Auth entication	Do an action after session expired	What information shows that action expired, what happens		W	In case action expired, usually login page is required and goes back to home page. Xxxin some cases error?	
Admin.AccessControl									

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	23/08/2011	Actual Result	Output (XML, Screen ...)
CM22			Admin.AccessControl	Access admin page	as a user		O		
CM22			Admin.AccessControl	Configure access control list	as a user	create, remove access control. Will need to login as another user to validate feature (if possible)	W	Feature works However, * there is a lack of explanation (no help or hint) * what are the mandatory fields (at first did not work because I did not input -1) * Use default values so that user can work fast (like -1) * No assistant on dates. What format is correct? * What does max access number mean? * The use of all as a default (which replaces others) means that if we do not pay attention, previous conf is removed if new one without organisation selection is created! * no info on list about who did it and when ...	
CM23			Admin.AccessControl	Delete access control item	as a user		O		
CM24			Admin.AccessControl	Update access control item	as a user	modify some information and then save	W	However, why is the interface different between create and update?	
			Admin.MappingService						
CM25			Admin.MappingService	Upload mapping information	as a user	upload one or two files. Will need to login as another user to validate feature (if possible)	W	Feature works However, * I have difficulties understanding the interface (with done, not done...= * Why a list when there can be only 2? * When we replace a file, there is no easy way to know that the file was replaced (name is lost) * no info on list about who did it and when ... * How would I allow several mapping files for my company?	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	23/08/2011	Actual Result	Output (XML, Screen ...)
CM26			Admin.Ma ppingServi ce	Download mapping information	as a user	download files from the server, files that were previously uploaded	X	Get an error ==> Problem with content	<a href="#">UploadMappingFile</a>
CM27			Admin.Ma ppingServi ce	Delete mapping	as a user		O		
CM28			Admin.Ma ppingServi ce	View Mapping	as a user	How? Except if does correspond to see the informaiton from the list	X	I do not know how to view the mapping from the interface directly	
			Admin.Wo rkflowMa nager						
CM29			Admin.Wo rkflowMan ager		I do not really know what to test and no access as a user				
			PushingDa ta						
CM30			PushingDa ta	upload file in euromuse format and send it to rimini		generate the upload new req: more than one receiver. Test files in E:\Sync\svn.partagé.Harmosearch\Code_Re pository\server\data\mapping	O		
CM31		CM30	PushingDa ta	upload file in euromuse format and send it to rimini		File present in the outbox. Must look in the inbox for remini to validate. How do I know it is sent (it does not seem to move from outbox to sent	W	Date present in the starting date is incorrect: 2011-08-18 13:18:16.903 (done at 4 PM)	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	23/08/2011	Actual Result	Output (XML, Screen ...)
CM32		CM31	PushingData	Check that file is sent			X	File not sent. Error has been logged	13:43:34,177 ERROR [BasePersistenceImpl:188] Caught unexpected exception org.hibernate.HibernateEx ception com.liferay.portal.kernel.e xception.SystemException: org.hibernate.HibernateEx ception: No Hibernate Session bound to thread, and configuration does not allow creation of non- transactional one here at m.liferay.portal.service.pe rsistence.impl.BasePersist enceImpl.processExceptio n(BasePersistenceImpl.jav a:195) at com.liferay.portal.service. persistence.UserPersistenc eImpl.findAll(UserPersiste nceImpl.java:3440) at com.liferay.portal.service. persistence.UserPersistenc eImpl.findAll(UserPersiste nceImpl.java:3360) at org.harmonise.services.fra mework.util.Util.getOrgani zationMails(Util.java:116) at org.harmonise.services.fra mework.util.Util.getOrgani zationFirstMail(Util.java:10 4)
CM33		CM32	PushingData	Login as remini and check inbox	Validate that file is there and that the format is remini	check before that remini is corectly configured			
			<b>Outbox</b>						
CM 34			Outbox	show outbox	lists the files that must be sent		O		
CM 35			Outbox	Dowload a file	downlaod the file and validate that it is in the format expected by the receiver		O		
CM 36			Outbox	Delete a file			O		

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	23/08/2011	Actual Result	Output (XML, Screen ...)
CM 37			Outbox	Delete all files					
			<b>Sentbox</b>						
CM 34			Sentbox	show sentbox	lists the files that have been sent		O		
CM 35			Sentbox	Dowload a file	downlaod the file and validate that it is in the format expected by the receiver		X	Cannot test due to error CM32	
CM 36			Sentbox	Delete a file			X	Cannot test due to error CM32	
CM 37			Sentbox	Delete all files			X	Cannot test due to error CM32	
			<b>Inbox</b>						
CM 38			Inbox	show inbox	lists the files that have been received	Validate that all users of the organisation share same content	X	Cannot test due to error CM32	
CM 39			Inbox	Dowload a file		New req: download all files?	X	Cannot test due to error CM32	
CM 40			Inbox	Delete a file			X	Cannot test due to error CM32	
CM 41			Inbox	Delete all files			X	Cannot test due to error CM32	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	23/08/2011	Actual Result
SQL1			Search Query Language	Search all	Return all possible information for all domains. Output should contain Name, City, event location, event category, domain and date range. Optional content would be url, telephone, vignette, user rating	Comment from AV: For the test cases maybe should be better to be more precise on the input parameters, for example for categories if we mean the code of the category or the label (ID_ART or art...). Technically I think should be used the code; and probably we will see it when Claudio will define the query in the language... DF: Any other feedback? according to comments, we could add a column for the precise parameters (it was there initially but removed because judged to precise) CH: I'm not sure if "get all data from all domains" is really a useful test since it returns more or less arbitrary information. CP: We can model a search request asking for data from all domains but this implies that the query itself is empty (i.e. search for all data without constraints) and that the output format is not specified (i.e. data are returned in the default format: otherwise what does it mean output should contain event name if the result item is e.g. an accommodation?). Maybe a useful test case here could be to import all data from one or more specified data providers (e.g. Euromuse). I will provide a query which models this particular case.	Alternative SR1: limit list of providers in request to Euromuse and Facebook	O	We could have a test with all data from one domain as suggested and as well all data for 2 domains with different output list. I am not sure it is very useful though since we already mix subdomains in other tests
SQL2				Search All events	Return all possible events	Output should be result list: Same output as SQL1 Alternative 1: Output should be Detailed EN: contain Name, City, Date range, summary, detailed description, url, precise address and vignette, price range. All text should be English		W	What about the optional fields? ==> Added in RQ
SQL2.1	SQL2			Search All events, Alternative 1	Return all possible events	Output should be result list: Same output as SQL1 Alternative 1: Output should be Detailed EN: contain Name, City, Date range, summary, detailed description, url, precise address and vignette, price range. All text should be English		O	
SQL3				Search All events within time frame	Return all possible events within [Date 1, Date 2 ]	Output should be result list: Same output as SQL1 Alternative 1: give only Date 1 Alternative 2: give only date 2 Alternative 3: All events during that period and all attractions at that date in the same query Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)		W	I think there is a mismatch between from, to and start, end. If it is the case, true for all tests with dates In case of flexibility, how would we express the flexibility? ==> Added in RQ
SQL3.1	SQL3			Search All events within time frame, alternative 1	Return all possible events within [Date 1, Date 2 ]	Output should be result list: Same output as SQL1 Alternative 1: give only Date 1 Alternative 2: give only date 2 Alternative 3: All events during that period and all attractions at that date in the same query Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains		O	Why do we keep the AND since there is only one criteria
SQL3.2	SQL3			Search All events within time frame, alternative 2	Return all possible events within [Date 1, Date 2 ]	Output should be result list: Same output as SQL1 Alternative 1: give only Date 1 Alternative 2: give only date 2 Alternative 3: All events during that period and all attractions at that date in the same query Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains		O	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	23/08/2011	Actual Result
SQ3.3	SQ3			Search All events within time frame, Alternative 3	Retun all possible events within [Date 1, Date 2 ]	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: give only Date 1</p> <p>Alternative 2: give only date 2</p> <p>Alternative 3: All events during that period and all attractions at that date in the same query</p> <p>Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains</p>		X	Query language does not handle joining subdomains as explained by CP ==> Should we expand?.
SQ4				Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		O	
SQ4.1	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		O	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	23/08/2011	Actual Result
SQ4.2	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		X	I think that using codes as a reference would greatly simplify language issues and allow better searches. ==> Should we extend? We need then extended city reference or allow only for ISO / ONU codes
SQ4.3	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		O	Same as 1 since countries use codes. Remove from subsequent tests
SQ4.4	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		W	Why he logical condition OR where inset probably implies or? Otherwise why use OR here and AND in the next one ==> Test case will be corrected

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	23/08/2011	Actual Result
SQ4.5	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		O	
SQ4.6	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		O	
SQ4.7	SQ4			Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains</p>		X	Query language does not handle joining subdomains as explained by CP ==> Should we expand?.

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	23/08/2011	Actual Result
SQL5				Search All events for certain categories	Return all possible events in Berlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts		O	Should we not use a thesaurus or something like that for categories. Otherwise, how do we match terms?
SQL5.1	SQL5			Search All events for certain categories	Return all possible events in Berlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts		O	
SQL5.2	SQL5			Search All events for certain categories	Return all possible events in Berlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts		O	
SQL5.3	SQL5			Search All events for certain categories	Return all possible events in Berlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts		O	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Complements for the semantic registry	23/08/2011	Actual Result
SQ5.4		SQ5		Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts		W	Could we not express category only once?
SQ5.5		SQ5		Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts		O	
SQ6				Search All events using geo coordinates	Search All events around a certain gps pont and a radius	<b>Output:</b> Should be result List. Alternative 1: Provide geo point of upper left corner and lower right corner		X	I do not understand the query. I was expecting a point + a length or something like that
SQ6.1		SQ6		Search All events using geo coordinates	Search All events around a certain gps pont and a radius	<b>Output:</b> Should be result List. Alternative 1: Provide geo point of upper left corner and lower right corner		O	

Id	Parent	Sequence	Action				05/09/2011	Actual Result
				Name	Description	Comment (and alternatives)		
SQL1			Search Query Language	Search all	Return all possible information for all domains. Output should contain Name, City, event location, event category, domain and date range. Optional content would be url, telephone, vignette, user rating	<p>Comment from AV: For the test cases maybe should be better to be more precise on the input parameters, for example for categories if we mean the code of the category or the label (ID_ART or art...). Technically I think should be used the code; and probably we will see it when Claudio will define the query in the language...</p> <p>DF: Any other feedback? according to comments, we could add a column for the precise parameters (it was there initially but removed because judged to precise)</p> <p>CH: I'm not sure if "get all data from all domains" is really a useful test since it returns more or less arbitrary information.</p> <p>CP: We can model a search request asking for data from all domains but this implies that the query itself is empty (i.e. search for all data without constraints) and that the output format is not specified (i.e. data are returned in the default format: otherwise what does it mean output should contain event name if the result item is e.g. an accommodation?). Maybe a useful test case here could be to import all data from one or more specified data providers (e.g. Euromuse). I will provide a query which models this particular case.</p> <p>Alternative Semantic Registry 1: limit list of providers in request to Euromuse and Facebook</p>	0	
SQL2				Search All events	Return all possible events	<p>Output should be result list: Same output as SQL1</p> <p>Alternative 1: Output should be Detailed EN: contain Name, City, Date range, summary, detailed description, url, precise address and vignette, price range. All text should be English</p>	0	
SQL2.1	SQL2			Search All events, Alternative 1	Return all possible events	<p>Output should be result list: Same output as SQL1</p> <p>Alternative 1: Output should be Detailed EN: contain Name, City, Date range, summary, detailed description, url, precise address and vignette, price range. All text should be English</p>	0	
SQL3				Search All events within time frame	Return all possible events within [Date 1, Date 2 ]	<p>Output should be result list: Same output as SQL1</p> <p>Alternative 1: give only Date 1</p> <p>Alternative 2: give only date 2</p> <p>Alternative 3: All events during that period and all attractions at that date in the same query</p> <p>Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</p>	0	
SQL3.1	SQL3			Search All events within time frame, alternative 1	Return all possible events within [Date 1, Date 2 ]	<p>Output should be result list: Same output as SQL1</p> <p>Alternative 1: give only Date 1</p> <p>Alternative 2: give only date 2</p> <p>Alternative 3: All events during that period and all attractions at that date in the same query</p> <p>Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</p>	0	
SQL3.2	SQL3			Search All events within time frame, alternative 2	Return all possible events within [Date 1, Date 2 ]	<p>Output should be result list: Same output as SQL1</p> <p>Alternative 1: give only Date 1</p> <p>Alternative 2: give only date 2</p> <p>Alternative 3: All events during that period and all attractions at that date in the same query</p> <p>Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</p>	0	

Id	Parent	Sequence	Action				05/09/2011	Actual Result
				Name	Description	Comment (and alternatives)		
SQ3.3		SQ3		Search All events within time frame, Alternative 3	Retun all possible events within [Date 1, Date 2 ]	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: give only Date 1</p> <p>Alternative 2: give only date 2</p> <p>Alternative 3: All events during that period and all attractions at that date in the same query</p> <p>Comment from CP - alternative 3: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</p>	X	Not supported in the query language
SQ4				Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</p>	O	
SQ4.1		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p>Output should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</p> <p>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</p>	O	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	05/09/2011	Actual Result
SQ4.2		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p><b>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</b></p> <p><b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b></p>	X	Not supported in the query language
SQ4.3		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p><b>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</b></p> <p><b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b></p>	O	
SQ4.4		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p><b>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</b></p> <p><b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b></p>	O	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	05/09/2011	Actual Result
SQ4.5		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p><b>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</b></p> <p><b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b></p>	O	
SQ4.6		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p><b>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</b></p> <p><b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b></p>	O	
SQ4.7		SQ4		Search All events within locations	Retun all possible events in Bertlin	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: In France (Country instead of given city)</p> <p>Alternative 2: in FRA (IATA code for Frankfurt)</p> <p>Alternative 3: in IT (ISO code for Italy)</p> <p>Alternative 4: in Berlin or Wien</p> <p>Alternative 5: in Berlin or Wien with a certain period</p> <p>Alternative 6: in Berlin at that date or Wien during that period</p> <p>Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date)</p> <p><b>Comment from CP - alternative 2: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)</b></p> <p><b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b></p>	X	Not supported in the query language

Id	Parent	Sequence	Action				05/09/2011	Actual Result
				Name	Description	Comment (and alternatives)		
SQ5				Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts	0	
SQ5.1	SQ5			Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts	0	
SQ5.2	SQ5			Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts	0	
SQ5.3	SQ5			Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts	0	
SQ5.4	SQ5			Search All events for certain categories	Retun all possible events in Bertlin corresponding to modern art exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts	0	

Id	Parent	Sequence	Action				05/09/2011	Actual Result
				Name	Description	Comment (and alternatives)		
SQ5.5		SQ5		Search All events for certain categories	Return all possible events in Berlin corresponding to modern art exhibitions	<p><b>Output</b> should be result list: Same output as SQ1</p> <p>Alternative 1: in Berlin corresponding to modern art exhibitions or classical concerts</p> <p>Alternative 2: in Berlin or Wien corresponding to modern art exhibitions or classical concerts</p> <p>Alternative 3: in Berlin or Wien corresponding to modern art exhibitions or classical concerts during that period</p> <p>Alternative 4: in Berlin during that period or Wien at that date, corresponding to modern art exhibitions or classical concerts</p> <p>Alternative 5: in Berlin during that period corresponding to modern art exhibitions or in Wien at that date concerning classical concerts</p>	O	
SQ6				Search All events using geo coordinates	Search All events around a certain gps point and a radius	<p><b>Output:</b> Should be result List.</p> <p>Alternative 1: Provide geo point of upper left corner and lower right corner</p>	O	
SQ6.1		SQ6		Search All events using geo coordinates	Search All events around a certain gps point and a radius	<p><b>Output:</b> Should be result List.</p> <p>Alternative 1: Provide geo point of upper left corner and lower right corner</p>	O	

## **Appendix B.2. Test cases for release 2**

Test cases for the 2<sup>nd</sup> release were divided in 2 documents:

1. Test Case Release 2 – Mappint Tool
2. Test Case Release 2 – Meta search

The results of all those excel documents were exported and included in this section.

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Actual Result	
						Who		
MT1		Mapping Tool RCP	Start mapping application	Used to test if the mapping tool starts as expected from a Windows-based application.	<b>Output:</b> The application should come up as expected from a common Windows application (start). By clicking the X or the menu item "Exit" (File menu) the application windows should dissapeare accordingly (exit).	W	I	In the location D:\HARMOSEARCH\06_Mapping Tool\Flocke_rc1_.win32.win32.x86 the application did not react. Changed to C/temp/flocke and works Additional comment: After finishing the test cases I was not able to close the mapping tool accordingly.
MT2	MT1	Mapping Tool RCP	Customize mapping tool application window	The user is allowed to make changes to the mapping tool interface. This regards to appearance related issues such as for example window size, open views, position of a view within the tool, etc. For testing purposes the user is required to change the window size and the location of a view by simply drag-and-drop.	<b>Output:</b> The tool reacts according to the changes and displays the view within ist new position and the application window is resized accordingly.	O	I	Worked as expected
MT3	MT2	Mapping Tool RCP	Exit mapping application	Used to test if the mapping tool can be exited as expected from a Windows-based application.	<b>Output:</b> The application is terminated as expected from a common Windows-based application.	O	I	Worked as expected
MT4	MT2	Mapping Tool RCP	Auto-apply customiziations	Evaluates if the changes done in Task MT2 are committed and executed to the mapping tool.	<b>Output:</b> The excepted behaviour (see MT2) is still valid after the mapping tool application has been restarted (see MT1 and MT3).	O	I	Worked as expected

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Who		Actual Result
MT5	MT1	Mapping Project Handling	Create a clean mapping project	Clean mapping projects are used to denote mappings that are not related to any kind of business case (e.g. Euromuse business case). Accordingly, no default resources, such as Schema, Filter, or Patterns are associated and therefore not included in the project from scratch.	<b>Output:</b> The new mapping project is created reflecting the initial project structure. The project structure is visible in the project explorer window in the mapping tool as well as locally in the file system. Thereby, the project root is a folder, which name must be equal to the project name as specified by the user. The root folder has to include the following folders: Filter, Mappings, Output, Pattern, Schema, as well as a configuration file named config.xml.	O	I	M	Worked as expected
MT6	MT1	Mapping Project Handling	Create a profile-based mapping project	Profile-based mapping projects are business case specific (e.g. Euromuse) and therefore include distinct resources (Schema, Filter, Patterns, etc.). A profile summarizes the included resources.	<b>Output:</b> The new mapping project is created accordingly (see MT5). In contrast to MT5 the folders are now filled with corresponding resources. Again, this can be observed directly in the mapping tool (project explorer) as well as locally in the file system. Since the project has been created using the Euromuse profile the following resources have been added to the corresponding folders: eurmouse_filter.filter, hto_filter.filter (both to the Filter folder); hto.xsl, HTO_Euromuse.xsl (to the Pattern folder); hto.xsd (Schema folder).	O	I	M	Worked as expected
MT7		Mapping Project Handling	Open/Close schema file	Schema files are formalized using an XML notation. Thus, it makes sense to open a schema file for editing purposes within the mapping tool.	<b>Output:</b> By double-clicking on a schema file (visible in the project explorer) an XML editor opens and displays the content of the file. In case the schema file is corrupt or not valid (e.g. not well formed) a corresponding error message is presented to the user. The editor-window is closed by clicking on the "X" button in the upper right corner.	O	I	M	Worked as expected

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Actual Result	
						Who		
MT8		Mapping Project Handling	Open/Close pattern file	Patterns are XSL templates that transform a given input to a given output. In addition patterns need to be adapted from case to case. Accordingly, the mapping tool needs to allow a technical user to open and change a pattern.	<b>Output:</b> By double-clicking on a pattern file (visible in the project explorer) an XSL editor opens and displays the content of the file. In case the pattern file is corrupt or not valid (e.g. not well formed) a corresopnding error message is presented to the user. The editor-window is closed by clicking on the "X" button in the upper right corner.	O	I	Worked as expected
MT9		Mapping Project Handling	Open/Close filter file	Filters are simple expressions that put a schema into a strict corset. In order to edit a filter it is necessary to open the filter within a text editor.	<b>Output:</b> By double-clicking on a filter file (visible in the project explorer) a text editor opens and displays the content of the file. In case the pattern file is corrupt a corresopnding error message is presented to the user. The editor-window is closed by clicking on the "X" button in the upper right corner.	O	I	Worked as expected
MT10		Mapping Project Handling	Create new mapping model file	In some situations a single mapping file may not be suitable. Therefore, the mapping tool has to be capable of handling an arbitrary number of mapping files. Accordingly, it has to provide an adequate mechanism that allows the user to create new mappings from scratch.	<b>Output:</b> The newly created mapping file is created locally and added to the Mappings folder (visible in the project wizard).	O	I	Worked as expected

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Actual Result	
						Who		
MT11		Mapping Project Handling	Import local schema file	In most cases the user wants to make a mapping from his private data schema to the Harmonise data schema. Thus, he needs to add and open his proprietary schema in the mapping tool.	IM: Select Import Schema. The pop up menu had the option "import..." and I clicked that, another window appeared  <b>Output:</b> The newly imported schema file is added to the project and added to the Schema folder in the project structure (both, locally on the file system as well as in the project explorer of the mapping tool). In case the schema file is corrupt or another exception occurs the tool reacts in two ways: First the user will be notified that an error occurred and second a new log message is added to the log file.	W	I	I was able to accomplish the task, but only at the second try. Calling the wizard was confusing due to misleading wording (see comment).
MT12		Mapping Project Handling	Export mapping project	Exporting a mapping project allows users to share solutions and collaborative work on mappings.	<b>Output:</b> Results in a ZIP file that can be saved locally. The ZIP contains all necessary meta-information and resources. Accordingly, the resulting ZIP contains the project structure and all associated resource-files (e.g. pattern, filter, mappings, schema)	O	I	Worked as expected
MT13		Mapping Project Handling	Delete mapping project	The mapping tool needs to be capable of deleting a mapping project, which is currently not used but should be kept for further tasks.	<b>Output:</b> The mapping prjoect is deleted from the project explorer. However, not entirely from the local disc. Consequently, the project folder and ist subfolders (including resources) is still available.	O	I	Worked as expected
MT14		Mapping Project Handling	Permanently delete a mapping project	Some mapping projects are of no use any more. Accordingly, the mapping tool has to provide a delete option that allows the user to permanently remove a project (both locally and from the workspace).	<b>Output:</b> The mapping project is deleted from the project explorer and locally from the file system. As a result the project is not visible in the file system.	O	I	Worked as expected

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Who	Actual Result
MT15		Mapping Project Handling	Import mapping project	To collaborate/extend existing mapping solutions.	<b>Output:</b> Uses the exported project (ZIP file) from MT12. A wizard guides the user through the import process where he has to provide the location of the target project ZIP file. After all information has been provided the project is visible in the project explorer and the local file system. In case of an error a user notification by means of a dialog is shown and a new log message is added to the log file.	O	I M	Worked as expected
MT16		Mapping Project Configuration	Open/(Close) configuration file editor	Allows users to edit the current profile.	<b>Output:</b> After double-clicking the configuration file (visible in the project explorer) a configuration editor opens. In case of an error (e.g. not well formed) the editor won't open. Instead a corresponding error message is presented and displayed to the user.	O	I M	Worked as expected
MT17		Mapping Project Configuration	Add/Remove schema file	Adds or removes a schema from the profile and the project.	<b>Output:</b> By checking a schema (and saving the changes) the corresponding file is added to the project explorer. The new file is present in the Schema folder. Removing a file is similar: Uncheck the box and save your choice. The schema file will be removed from the project structure (schema folder).	O	I M	Worked as expected
MT18		Mapping Project Configuration	Add/Remove pattern file	Adds or removes a pattern from the profile and the project.	<b>Output:</b> By checking a pattern (and saving the changes) the corresponding file is added to the project explorer. The new file is present in the Pattern folder. Removing a pattern is similar: Uncheck the box and save your choice. The pattern file will be removed from the project structure (pattern folder).	O	I M	Worked as expected
MT19		Mapping Project Configuration	Add/Remove filter file	Adds or removes a filter from the profile and the project.	<b>Output:</b> By checking a filter (and saving the changes) the corresponding file is added to the project explorer. The new file is present in the Filter folder. Removing a filter is similar: Uncheck the box and save your choice. The filter file will be removed from the project structure (Filter folder).	O	I M	Worked as expected
MT20		Graphical Modeling	Open/Close editor	To conduct mappings a graphical editor is necessary. This editor is called only on mapping files.	<b>Output:</b> The mapping editor is opened by double-clicking a mapping file (Mapping folder). As a result the graphical editor opens and presents an empty canvas (in case the mapping file has been empty) or an already existing mapping. In case the file is corrupt or damaged the editor won't open correctly. Instead a corresponding error message is displayed.	O	I M	Worked as expected

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Actual Result	
						Who		
MT21		Graphical Modeling	Load schema to editor	Schemata are the actual subject of mapping and need to be present in a mapping file.	<b>Output:</b> A schema file is deliaged to open within the graphical editor by drag-and-drop the schema file from the project explorer to the already opened editor (see MT20). As a result the schema is opened and displayes accordingly in the editor. In case the user wants to drag-and-drop files others than schema files (*.xsd extension) the drag operation will not work. In such a case the drag coursor provides visual feedback (crossed cicle) to the user.	O	I	Worked as expected
MT22		Graphical Modeling	Move schema figure	Already loaded schemata need to be moveable in order to keep the editor window usable.	<b>Output:</b> The user is able to move a loaded schema by simple drag-and-drop operations within the editor. As a result the schema can be moved smoothly within the editor window and changes its position according to the user's mous position.	W	I	Was able to meet expectations. However, some issues are left. The window in the editor's area of the schema seems to be resizable (and it works vertically) but horizontally it won't expand / shorten (okv.xsd has some long tag names
MT23		Graphical Modeling	Tree interaction (collapse/expand)		<b>Output:</b> By clicking the + respectively - buttons near a node the tree can be collapsed or expanded.	O	I	Worked as expected
MT24		Graphical Modeling	Load second schema		<b>Output:</b> A second schema file is loaded to the editor and visualized as a tree structure (see MT21).	O	I	Worked as expected
MT25		Graphical Modeling	Perform simple mapping (connect elements)	In general a user can perform two types of mappings: Simple and complex types. The former correspond to mappings that connect two atomic elements (with no further children nodes), whereas the latter corresponds to mappings that describe the linking between elements that have further children.	<b>Output:</b> A connection between two simple elements is visualized. Therby, the connection is drawn as a line leading from one schema-element to its opposite. The opposite is thereby, located in a another schema tree.	O	I	<u>Additional comments:</u> What if I connect two elements that make no sense? It makes the connection, I can correct with the select tool the end of the link and place it in the correct place, this action was not in the task list. When mouse over the link a pop up info window (yellow) appears, but this appears very far from the mouse, this should appear where the mouse is.

Id	Parent	Action	Name	Description	Comment (and alternatives)	20/9/11	Actual Result	
							Who	
MT26		Graphical Modeling	Delete mapping links		<b>Output:</b> Pressing the delte button on the keyboard or via a left-click on the connection the line bewteen the two elements is erased. As a consequence the line is not visible anymore.	O	I	<u>Additional comments:</u> The option "Delete proposal" in the upper frame of the editor area is not irreversible!! I clicked it thinking it would be deleting only 1 link but it deleted all my links at once without telling me that all my links would be irreversibly deleted.
MT27		Graphical Modeling	Perform complex mapping		<b>Output:</b> Draws a connection (see MT26) between two complex elements (parent elements) of two distinct schemata.	O	I	<u>Additional comments:</u> IM: Suggestion for the list: Couldn't it by clicking on the elements to be linked themselves also activate the link pop-up (the lines are hard to click sometimes, specially when 2 lines run together
MT28		Filters	Call filter dialog (select all/deselect all/select single filter)	Allow the user to apply or delete certain filters.	<b>Output:</b> By clicking the + respectively - buttons near a node the tree can be collapsed or expanded.	O	I	Worked as expected
MT29		Filters	Apply specific filter to schema		<b>Output:</b> The target schema is constrained to the elements that are defined in the filter. Accordingly, the hto schema is constrained to event related information items.	O	I	Worked as expected <u>Additional comments:</u> Once applied the filter I cannot undo it. If I click undo, the last action performed in the editing area (a link was set) undoes.
MT30		Filters	Add another filter to schema	Allow multiple filters at a time.	<b>Output:</b> Within the filter dialog another filter has to be clicked and committed (by clicking OK). The behaviour follows the same as described in MT29.	O	I	Worked as expected
MT31		Filters	Clear all filters	Delete all filters from the mapping.	<b>Output:</b> Removes all checked filters in the filter dialog. After clicking the OK button the changes are reflected by a "reset" in the mapping editor.	O	I	Worked as expected

Id	Parent	Action	Name	Description	Comment (and alternatives)	23/08/11	Who	Actual Result
SQ1		Search Query Language	Search all from Euromuse	Return all possible information for all domains coming from Eurmuse.	Output should contain Name, City, event location, event category, domain and date range. Optional content would be url, telephone, vignette, user rating Comment from CP - so far the metasearch engine does handle "context" information (optional result fields, language preferences, etc.) so even if they are present in the query language then they are ignored	O	D F	We could have a test with all data from one domain as suggested and as well all data for 2 domains with differnt output list. I am not sure it is very usefull though since we already mix subdomains in other tests
SQ2			Search All events	Retun all possible events	Output should be result list: Same output as SQ1	W	M H	What about the optional fields? ==> Added in RQ
SQ2.1	SQ2		Search All events, Alternative 1	Retun all possible events	Alternative 1: Output should be Detailed EN: contain Name, City, Date range, summary, detailed description, url, precise address and vignette, price range. All text should be English Comment from CP - so far the metasearch engine does handle "context" information (optional result fields, language preferences, etc.) so even if they are present in the query language then they are ignored	O		
SQ3			Search All events within time frame	Retun all possible events within [1.9.2011, 31.12.2011 ]	Output should be result list: Same output as SQ1 Comment from CP - if you specify both start and end date you will get events whose time interval overlaps with the specified dates	W		I think there is a mismatch betwwen from, to and start, end. If it is the case, true for all tests with dates In case of flexibility, how would we express the flexibility? ==> Added in RQ
SQ3.1	SQ3		Search All events within time frame, alternative 1	Retun all possible events starting from 1.9.2011	Output should be result list: Same output as SQ1 Alternative 1: give only Date 1 Comment from CP - if you specify only the start date you will get all events which ends after the specified date (independently from when they start)	O		Why do we keep the AND since there is only one criteria
SQ3.2	SQ3		Search All events within time frame, alternative 2	Retun all possible events until 31.12.2011	Output should be result list: Same output as SQ1 Alternative 2: give only date 2 Comment from CP - if you specify only the end date you will get all events which starts before the specified date (independently from when they end)	O		

Id	Parent	Action	Name	Description	Comment (and alternatives)	23/08/11	Who	Actual Result
SQ3.3		SQ3	Search All events within time frame, Alternative 3	Retun all possible events and attractions within [1.9.2011, 31.12.2011 ]	Output should be result list: Same output as SQ1 Alternative 3: All events during that period and all attractions at that date in the same query Comment from CP: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)	X		Query language does not handle joining subdomains as explained by CP ==> Should we expand?.
SQ4			Search All events within locations	Retun all possible events in Vienna/Austria	Output should be result list: Same output as SQ1	O		
SQ4.1		SQ4	Search All events within locations	Retun all possible events in Austria	Output should be result list: Same output as SQ1 Alternative 1: In Austria (Country instead of given city)	O		
SQ4.2		SQ4	Search All events within locations	Retun all possible events in Frankfurt	Output should be result list: Same output as SQ1 Alternative 2: in FRA (IATA code for Frankfurt) Comment from CP: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)	X		I think that using codes as a reference would greatly simplify language issues and allow better searches. ==> Should we extend? We need then extended city reference or allow only for ISO / ONU codes
SQ4.3		SQ4	Search All events within locations	Retun all possible events in Italy	Output should be result list: Same output as SQ1 Alternative 3: in IT (ISO code for Italy)	O		Same as 1 since countries use codes. Remove from subsequent tests
SQ4.4		SQ4	Search All events within locations	Retun all possible events in Biella or Wien	Output should be result list: Same output as SQ1 Alternative 4: in Biella or Wien	W		Why he logical condition OR where inset probably implies or? Otherwise why use OR here and AND in the next one ==> Test case will be corrected

Id	Parent	Action	Name	Description	Comment (and alternatives)	23/08/11	Who	Actual Result
SQ4.5		SQ4	Search All events within locations	Retun all possible events in Biella or Wien within [1.9.2011,31.12.2011]	<b>Output</b> should be result list: Same output as SQ1 Alternative 5: in Biella or Wien or within a certain period	O		
SQ4.6		SQ4	Search All events within locations	Retun all possible events in Biella within [1.9.2011,31.12.2011] or Wien within [1.1.2012,31.03.2012]	<b>Output</b> should be result list: Same output as SQ1 Alternative 6: in Biella within a certain period or Wien within another period	O		
SQ4.7		SQ4	Search All events within locations	Retun all possible events in Bertlin if no attractions	<b>Output</b> should be result list: Same output as SQ1 Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date) <b>Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)</b>	X		Query language does not handle joining subdomains as explained by CP ==> <b>Should we expand?</b> .
SQ5			Search All events for certain categories	Retun all possible events in Biella corresponding to cultural	<b>Output</b> should be result list: Same output as SQ1	O		Should we not use a thesaurus or something like that for categories. Otherwise, how do we match terms?
SQ5.1		SQ5	Search All events for certain categories	Retun all possible events in Wien corresponding to modern art exhibitions or sculpture exhibitions	<b>Output</b> should be result list: Same output as SQ1 Alternative 1: in Wien corresponding to modern art exhibitions or sculpture exhibitions	O		

Id	Parent	Action	Name	Description	Comment (and alternatives)	23/08/11	Who	Actual Result
SQ5.2	SQ5		Search All events for certain categories	Retun all possible events in Wien or Biella or corresponding to modern art exhibitions or culture	<b>Output</b> should be result list: Same output as SQ1 Alternative 2: in Wien or Biella or corresponding to modern art exhibitions or culture	O		
SQ5.3	SQ5		Search All events for certain categories	Retun all possible events in Wien or Biella corresponding to modern art exhibitions or cultural during that period	<b>Output</b> should be result list: Same output as SQ1 Alternative 3: in Wien or Biella corresponding to modern art exhibitions or cultural during that period	O		
SQ5.4	SQ5		Search All events for certain categories	Retun all possible events in Biella corresponding to sport or cultural in that period and the events in Vienna corresponding to modern art exhibition or sculpture exhibition in the same period	<b>Output</b> should be result list: Same output as SQ1 Alternative 4: in Biella corresponding to sport or cultural in that period and in Vienna corresponding to modern art exhibition or sculpture exhibition in the same period	W		Could we not express category only once?
SQ5.5	SQ5		Search All events for certain categories	Retun all possible events in Biella corresponding to cultural in that period and the events in Vienna corresponding to modern art exhibition in the same period	<b>Output</b> should be result list: Same output as SQ1 Alternative 5: in Biella corresponding to cultural in that period and in Vienna corresponding to modern art exhibition in the same period	O		
SQ6			Search All events using geo coordinates	Search All events around a certain gps pont and a radius	<b>Output:</b> Should be result List. <b>Comment from CP: not yet handled geo coordinates</b>	X		I do not understand the query. I was expecting a point + a length or something like that
SQ6.1	SQ6		Search All events using geo coordinates	Search All events between a certain gps upper left corner and lower right corner	<b>Output:</b> Should be result List. Alternative 1: Provide geo point of upper left corner and lower right corner <b>Comment from CP: not yet handled geo coordinates</b>	O		

Id	Who	Actual Result	Output (XML, Screen ...)	12/12/11	Who	Actual Result
SQ1	O	Registry: O (returns Euromuse)	Registry: screen	O	IM	advance search (sq1.xml) returned 10 results with title, short description in local language and english, date range, categories sometimes link but missing Organiser and location
	P	Query Processor (selecting 'euromuse' from list): O (1 XML file)	Query Processor: XML file(s)			simple search sent returns the same
	R	Metasearch: W (10 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen			Observations: 1.- If the query includes Paris, Berlin, Vienna, Biella and Rome, why is there a finnish exhibition in the output? 2.- Weblink, why is it not the link to the euromuse.net exhibition link?
SQ2	O	Registry: O (returns Euromuse, Biella and euromuse/crawler)	Registry: screen			
	P	Query Processor (selecting all three data providers): O (1 XML file each)	Query Processor: XML file(s)			
	R	Metasearch: W (274 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen			
SQ2.1	O	Registry: O (returns Euromuse and euromuse/crawler)	Registry: screen			
	P	Query Processor (selecting both data providers): O (1 XML file each)	Query Processor: XML file(s)			
	R	Metasearch: W (269 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen			
SQ3	O	Registry: O (returns Euromuse, Biella and euromuse/crawler)	Registry: screen	x	IM	it returned 274 euromuse exhibitions. Also dating in a range outside the query
	P	Query Processor (selecting all three data providers): O (1 XML file each)	Query Processor: XML file(s)			
	R	Metasearch: W (274 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen			
SQ3.1	O	Registry: O (returns Euromuse, Biella and euromuse/crawler)	Registry: screen	x	IM	selected 1.9.2011 results 0 selected from 1.9.2011 to 1.9.2011 (the only way) results: 11. Dates are not in the search range (i.e. exh in the range 19/11/2011 - 23/06/2013 in the output).
	P	Query Processor (selecting all three data providers): O (1 XML file each)	Query Processor: XML file(s)			selected today: 12.12.2011 results 77 (also bugs in the output i.e. exh from 01/12/2012 to 24/02/2013 )
	R	Metasearch: W (274 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen			
SQ3.2	O	Registry: O (returns Euromuse, Biella and euromuse/crawler)	Registry: screen	x	IM	results 0
	P	Query Processor (selecting all three data providers): O (1 XML file each)	Query Processor: XML file(s)			
	R	Metasearch: W (274 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen			

Id	Who	Actual Result		Output (XML, Screen ...)		12/12/11	Who	Actual Result	
		04/12/11							
SQ3.3	X	C	Not available in this release						
SQ4	O	C	Registry: O (returns Euromuse and euromuse/crawler)	Registry: screen	O	IM		same as SQ3	
	P	R	Query Processor (selecting both data providers): O (1 XML file each)	Query Processor: XML file(s)					
			Metasearch: W (14 results - missing city/location and event domain due to incomplete mapping)	Metasearch: screen					
SQ4.1	O	C	Registry: O (returns Euromuse and euromuse/crawler)	Registry: screen	W	IM		Outputs info only if choosing category "exhibition" 10 events in Austria und Vienna from euromuse, but 0 from euromuse-mf.	
	P	R	Query Processor (selecting both data providers): O (1 XML file each)	Query Processor: XML file(s)				Entries also outside the wished date-range (from 12.12.2011 on, but past exhibitions in output)	
			Metasearch: W (14 results - missing city/location and event domain due to incomplete mapping; same number of results as above because for testing purpose we limit to 10 the max number of results coming from Euromuse)	Metasearch: screen					
SQ4.2	X	C	Not available in this release						
	P	R							
SQ4.3	O	C	Registry: O (returns Biella)	Registry: screen		IM		From biella I get no output (selecting event/all categories/italy/biella/daterange: today-empty/provider:Biella)	
	P	R	Query Processor (selecting Biella data provider): O (1 XML file)	Query Processor: XML file(s)					
			Metasearch: W (5 results -missing city/location and event domain due to incomplete mapping)	Metasearch: screen					
SQ4.4	W	C	Registry: O (returns euromuse, biella and euromuse/crawler)	Registry: screen		IM		cannot choose 2 criteria in the simple search mask	
	P	R	Query Processor (selecting all three data providers): X (1 XML file each but Euromuse cannot understand multiple cities in the same query, need to be splitted using the OR construct instead of the InSet condition - see following test case)	Query Processor: XML file(s)					
			Metasearch: W (6 results - missing city/location and event domain due to incomplete mapping; less than all events in Vienna because of incorrect query translation - see above)	Metasearch: screen					

Id		04/12/11		Who		Actual Result		Output (XML, Screen ...)		12/12/11		Who		Actual Result	
SQ4.5		O	C	P	R	Registry: O (returns euromuse, biella and euromuse/crawler)  Query Processor (selecting all three data providers): O (1 XML file each)  Metasearch: W (6 results - missing city/location and event domain due to incomplete mapping; wrong dates in the results coming from Euromuse but this seems to be a Euromuse problem)		Registry: screen  Query Processor: XML file(s)  Metasearch: screen		X		IM	cannot choose 2 criteria in the simple search mask, therefore tried two different but related test cases: - Test1: event / exhibition / - / Vienna / 16.02.2012 / euromuse - Test2: event / exhibition / - / Berlin / 16.02.2012 / euromuse and all  Date Range: - Start date = end date (16.02.2012), in that time there are no temporary exhibitions in euromuse for Vienna. The two exhibitions output have no dates “//-/”, to be expected, as in our system for permanent exhibitions are start and end dates not compulsory. Could the output be tricked into give out “permanent exhibition” or “ongoing”? - Directly related to this: I tried the same for Berlin, but permanent exhibitions are not included in the output. The 13 exhibitions are temporary exhibitions, but in that date (16.02.2012), there are all in all 85 exhibitions. Usability: - When clicking through result pages (i.e. exhibitions in Berlin on 16.02.2012 = 13 entries = 3 result pages), the next page automatically sets at the bottom of the list, could it not be the top?		
SQ4.6		W	C	P	R	Registry: O (returns euromuse, biella and euromuse/crawler)  Query Processor (selecting all three data providers): O (2 XML file each)  Metasearch: X (10 results - not all the results of an OR query are displayed - this bug has already been fixed for the third release)		Registry: screen  Query Processor: XML file(s)  Metasearch: screen				IM	cannot choose 2 criteria in the simple search mask		
SQ4.7		X	C	P	R	Not available in this release									
SQ5		O	C	P	R	Registry: O (returns biella)  Query Processor (selecting biella as data provider): O (1 XML file)  Metasearch: W (4 results - missing city/location and domain due to incomplete mapping)		Registry: screen  Query Processor: XML file(s)  Metasearch: screen				IM	no output when I ask for Biella		
SQ5.1		O	C	P	R	Registry: O (returns euromuse and euromuse/crawler)  Query Processor (selecting both data providers): O (1 XML file each)  Metasearch: W (5 results - missing city/location and domain)		Registry: screen  Query Processor: XML file(s)  Metasearch: screen							

Id	04/12/11		Who	Actual Result	Output (XML, Screen ...)	12/12/11	Who	Actual Result
SQ5.2	W	C		Registry: O (returns biella, euomuse and euomuse/crawler)	Registry: screen			
		P						
		R		Query Processor (selecting all three data providers): O (2 XML file each)	Query Processor: XML file(s)			
				Metasearch: X (11 result -not all the results of an OR query are displayed - this bug has already been fixed for the third release)	Metasearch: screen			
SQ5.3	W	C		Registry: O (returns biella, euomuse and euomuse/crawler)	Registry: screen			
		P						
		R		Query Processor (selecting all three data providers): O (2 XML file each)	Query Processor: XML file(s)			
				Metasearch: X (11 result - not all the results of an OR query are displayed - this bug has already been fixed for the third release)	Metasearch: screen			
SQ5.4	W	C		Registry: O (returns biella, euomuse and euomuse/crawler)	Registry: screen			
		P						
		R		Query Processor (selecting all three data providers): O (2 XML file each)	Query Processor: XML file(s)			
				Metasearch: X (5 result - not all the results of an OR query are displayed - this bug has already been fixed for the third release)	Metasearch: screen			
SQ5.5	W	C		Registry: O (returns biella, euomuse and euomuse/crawler)	Registry: screen			
		P						
		R		Query Processor (selecting all three data providers): O (2 XML file each)	Query Processor: XML file(s)			
				Metasearch: X (10 result - not all the results of an OR query are displayed - this bug has already been fixed for the third release)	Metasearch: screen			
SQ6	X	C		Not available in this release				
		P						
		R						
SQ6.1	X	C		Not available in this release				
		P						
		R						

Id	16/12/11	Who	Actual Result		18/12/11	Who	Actual Result	
SQ1	W	M	Metasearch 10 Results: Should city be part of location or separate, because it wasn't explicitly mentioned in the result?		O	E	Registry returns Euromuse. Query Processor returns the query all euromuse query. Metasearch returns 10 results.	
SQ2	x	M	Metasearch 274 Results: this is not the same as SQ1 as mentioned in the comment		W	E	Registry returns all the providers. Query processor converts the three queries. Metasearch returns 274 results from the three providers. But: search is slow. I tried to remove starting date and ending date from output fields but as output I got dates as well. Output format looks not used, right ?	
SQ2.1	x	M	Metasearch 269 Results: Missing summary, precise address, price range according to the information given in the comment		W	E	Registry returns Euromuse and euromuse/crawler. Query Processor OK Metasearch: W (269 results - missing city/location and event domain due to incomplete mapping). But Language Preference has some influence ? What is the subdomain testComplianceEvent ?	
SQ3	W	M	Metasearch 274 Results: Unclear from the description if the result should show exhibitions which are also only partly in the time frame of the search (as it is the case) or if only those should be shown which are open during the whole time of the search		x	E	Does not look the time criteria are working: searching to= 2011-09-28 and from= 2011-09-28 I get: Pergamon. Panorama of the Ancient City . Pergamon. Which happens in the 30-09-2011 (out of the period). The semantics of the date search should be: events which are available in the given timeframe  Comment CP: Pergamon. Panorama of the Ancient City ends on 30/09/2012...	
SQ3.1	x		Metasearch 274 Results: Showing results which have "Opening" not at the 1.9.2011		x	E	Searching endDate from=2013-12-01 I got the event Aboa Vetus permanent exhibition, closing at 31-12-2012	
SQ3.2	x	M	Metasearch 274 Results: Showing results which have "Opening" not at the 31.12.2011		x	E	Searching startDate to 2008-12-31 I got the event Aboa Vetus permanent exhibition starting at 01/01/2011	

16/12/11				18/12/11			
Id		Who	Actual Result	Who		Actual Result	
SQ3.3		M N	Metasearch Not tested			not tested	
SQ4		W N	Metasearch 14 Results: Field location empty -> validation difficult Exhibitions are in german, so probably fine	x		Semantic Registry OK, changed to IT and to Biella worked as well returning biella. But how is configured ?. Querying for AT and Innsbruck I got 10 results not in Innsbruck, but for vienna i got correctly 14 results	
SQ4.1		W N	Metasearch 14 Results: Field location empty -> validation difficult Exhibitions are in german, so probably fine	W C T R L	E	but if searching for DE 0 results	
SQ4.2		M N	Metasearch Not tested				
SQ4.3		W N	Metasearch 5 Results: Field location empty -> validation difficult Exhibitions are in italian, so probably fine		E C T R L	Semantic Registry OK, query Processor ok. But metasearch 0 results. We are also working in Biella, so maybe there is some unexpected change.  Comment CP: the server was down: can you please retry?	
SQ4.4		W N	Metasearch 6 Results: Field location empty -> validation difficult Exhibitions are in italian or german, so probably fine		E C T R L	0 results  Comment CP: the server was down: can you please retry?	

Id		Who	Actual Result	16/12/11		Who	Actual Result	18/12/11
SQ4.5		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?			E C T R L	0 results  Comment CP: the server was down: can you please retry?	
SQ4.6		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?			E C T R L	0 results  Comment CP: the server was down: can you please retry?	
SQ4.7		M N	Metasearch Not tested					
SQ5		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?			E C T R L	0 results  Comment CP: the server was down: can you please retry?	
SQ5.1		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?					

Id	16/12/11		Actual Result		18/12/11	Who		Actual Result	
SQ5.2		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?						
SQ5.3		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?						
SQ5.4		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?						
SQ5.5		M N	Metasearch 0 Results:  Comment CP: the server was down: can you please retry?						
SQ6									
SQ6.1									

### **Appendix B.3. Test cases for release 3**

Test cases for the 3<sup>rd</sup> release were divided in 3 documents:

1. Test Case Release 3 – Harmosearch Portal
2. Test Case Release 3 – Portal
3. Test Case Release 3 – Mapping Tools

The results of all those excel documents were exported and included in this section.

Id	Parent Sequence	Action	Name	Description	Comment (and alternatives)	23/08/11	Actual Result	Output (XML, Screen ...)	
Home Page									
CM1			Home Page	Access home page, without signin	When user is not signed in he should see the welcome page only and have the capacity to sign in: no fonctionnal menu should appear	This might be a new requirement though. Furthermore, on the home page, an additional formal which would be very visible should allow signin. Could be the form access in the Signin page repositionned in the home page with text around.	X	Menus are visible (though not all accessible). Search is accessible: that seems a bug because, then it is not possible to restrict the access to the content	
CM17			Home Page	Navigate the menus	Content should have same layout for the different services		W	Out menu has differnet layout with Navigation item present	<a href="#">NavigationItemPresent</a>
CM18			Home Page	Navigate the menus	Click on Liferay in the navigation part		X	Get error link	<a href="#">ErrorOnLiferay</a>
CM19			Home Page	Access user account	Click on user name (after sign in)	should access user page	X	Nothing happens for David Faveur, but works for harmonise user	
			User Management						
CM2			User.Auth entication	Valid user registration	Using id and password of standard user	registered users are in readme.txt file in E:\Sync\svn.partitioné.Harmosearch\Code_Repository\server\install rimini-museum-usr1, EMAIL=rimini-museum-usr1@harmonet.org, PWD=rimini-museum-usr1, ID=10869, ORG=rimini-museum, ROLE=User	O	accesses the portal though intermediate licence page; Only the first time after the user has been created. Redo signin after logout. OK direct without licence	
CM3	CM2	CM2	User.Auth entication	Valid user registration, but disagree on policy	Licence message is displayed: Disagreeing should probably logout after displaying a message		W	Message displayed, but stays on licence page: therefore stuck until agreeing. Should we keep the behaviour or change to logout?	
CM4	CM2	CM3	User.Auth entication	Valid user registration, agrees on policy	Agree on licence agreement. Shoiuld access services		O	Access services after reminder question. All menus are accessible (not test done on menus) Available menus in admin is:	<a href="#">Admin Menu Standard User</a>
CM5	CM2	CM4	User.Auth entication	Logout	Returns to home page		O	OK	
CM6	CM2		User.Auth entication	Valid user registration	Using id and password of standard user, after initial sign in + Add remember me	No licence is expected. Sign in kept if browser closed	O	accesses the portal direct without licence page. Closed browser. Reopned browser. Access URL. Sign in kept.	
CM7	CM2		User.Auth entication	Valid user registration using Open ID					
CM8	CM1	CM1	User.Auth entication	Access sign in page			O	Access page OK	

Id	Parent Sequence	Action	Name	Description	Comment (and alternatives)	23/08/11	Actual Result	Output (XML, Screen ...)
CM9	CM1	CM8	User.Auth entication	Return to home page		W	Return to Home Page OK. However, label is unclear. I would prefer Return to Home Page or just home page	
CM10			User Managem ent	Create Account Create Account without being signed in	Filled First and Last Name, Email and captcha.	W	Could create account. Mandatory fields are not marked (compared to optional Notion of screen name I do not understand Content of received mail a bit limited and wierd (received twice)	<a href="#">Create Account</a>
CM11		CM10	User.Auth entication	Signin with new account	Using email and password taht was provided	O	SignIn as david Faveur ==> OK as new registration with licence I am not sure of content of user settings and why do I not have the list of the other users (that work)	
CM12		CM11	User.Auth entication	Access services	Login with new user information	X	No service is accessible. Exactly as if not logged in	<a href="#">NoService Available</a>
CM13	CM2		User.Auth entication	Use Forgot password	Provide valid information	O	process OK on portal. Finished after received the mail (took a few minutes	<a href="#">ResetPasswordMail</a>
CM14	CM2	CM13	User.Auth entication	Use Forgot password	Provide invalid information	O	requires valid data to be provided.	
CM15	CM2		User.Auth entication	Valid admin registration	Using id and password of administrator	O	OK	
CM16			User Managem ent	list all users		W	Only the users that I created manually are present. Where are the others? ==> AV has solved the issue	
CM20	CM2		User.Auth entication	Invalid user registration		O	Error message is displayed. Pwd cleared, email kept	
			MANUAL INTERVENTION FROM ADRIANO		To allow the use of the new user to test the harmonise features	X	The issue on the user comes from the fact that no organisation is associated to the user. Once manually assocaited, most features seem to work (see below)	
CM21	CM11		User.Auth entication	Signin with new account	After association of user to an organisation	W	SignIn OK, Access to all menus, <b>except Inbox</b>	<a href="#">SignInNoInboxAccess</a>
CM42			User.Auth entication	Do an action after session expired	What information shows that action expired, what happens	W	In case action expired, usually login page is required and goes back to home page. Xxxin some cases error?	

Id Parent Sequence ActionNameDescriptionComment (and alternatives)							23/08/11	Actual Result	Output (XML, Screen ...)
			Admin.AccessControl						
CM22			Admin.Acc essControl	Access admin page	as a user		O		
CM22			Admin.Acc essControl	Configure access control list	as a user	create, remove access control. Will need to login as another user to validate feature (if possible)	W	Feature works However, * there is a lack of explanaiton (no help or hint) * what are the mandatory fields (at first did not work because I did not input -1) * Use default values so that user can work fast (like -1) * No assistant on dates. What format is correct? * What does max access number mean? * The use of all as a default (which replaces others) means that if we do not pay attention, prevous conf is removed if new one without organisation selection is created! * no info on list about who did it and when ...	
CM23			Admin.Acc essControl	Delete access control item	as a user		O		
CM24			Admin.Acc essControl	Update access control Item	as a user	modify some informaiton and then save	W	However, why i sthe interface different between create and update?	
			Admin.Service						
CM25			Admin.Ma ppingServi ce	Upload mapping information	as a user	upload one or two files. Will need to login as another user to validate feature (if possible)	W	Feature works However, * I have difficulties understanding the interface (with done, not done...= * Why a list when there can be only 2? * When we replace a file, there is no easy way to know that the file was replaced (name is lost) * no info on list about who did it and when ... * How would I allow several mapping files for my cmpany?	
CM26			Admin.Ma ppingServi ce	Download mapping information	as a user	download files from the server, files that were previously uploaded	X	Get an error ==> Problem with content	<a href="#">UploadMa ppingFile</a>
CM27			Admin.Ma ppingServi ce	Delete mapping	as a user		O		
CM28			Admin.Ma ppingServi ce	View Mapping	as a user	How? Except if does correspond to see the informaiton from the list	X	I do not know how to view the mapping from the interface directly	

Id	Parent Sequence	Action	Name	Description	Comment (and alternatives)	23/08/11	Actual Result	Output (XML, Screen ...)
CM29			Admin.WorkflowManager	I do not really know what to test and no access as a user	TODO			
			PushingData					
CM30			PushingData	upload file in euromuse format and send it to rimini	generate the upload new req: more than one receiver. Test files in E:\Sync\svn.partagé.Harmosearch\Code_Repository\server\data\mapping	O		
CM31		CM30	PushingData	upload file in euromuse format and send it to rimini	File present in the outbox. Must look in the inbox for rimini to validate. How do I know it is sent (it does not seem to move from outbox to sent	W	Date present in the starting date is incorrect: 2011-08-18 13:18:16.903 (done at 4 PM)	
CM32		CM31	PushingData	Check that file is sent		X	File not sent. Error has been logged : 13:43:34,177 ERROR [BasePersistenceImpl:188] Caught unexpected	
CM33		CM32	PushingData	Login as remini and check inbox	Validate that file is there and that the format is remini			
			Outbox					
CM34			Outbox	show outbox	lists the files that must be sent	O		
CM35			Outbox	Download a file	download the file and validate that it is in the format expected by the receiver	O		
CM36			Outbox	Delete a file		O		
CM37			Outbox	Delete all files				
			Sentbox					
CM34			Sentbox	show sentbox	lists the files that have been sent	O		
CM35			Sentbox	Download a file	download the file and validate that it is in the format expected by the receiver	X	Cannot test due to error CM32	
CM36			Sentbox	Delete a file		X	Cannot test due to error CM32	
CM37			Sentbox	Delete all files		X	Cannot test due to error CM32	
			Inbox					
CM38			Inbox	show inbox	lists the files that have been	X	Cannot test due to error CM32	
CM39			Inbox	Download a file	New req: download all files?	X	Cannot test due to error CM32	
CM40			Inbox	Delete a file		X	Cannot test due to error CM32	
CM41			Inbox	Delete all files		X	Cannot test due to error CM32	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P0			Home.Page	<b>Home page content and menus</b>	<b>User access the home page, before any action is performed</b>	
P0.1	P0			Content of the home page without login	Home page has text, a sign in access on the right a a home menu when no login is performed	Describe in the test partition improvements if necessary
P0.2	P0			Content of the home page after login	Home page has text, profile access, logout, menus...	Describe in the test partition improvements if necessary
P0.3	P0			Documentation of the home page	Link to the documentation	Describe in the test partition improvements if necessary
P			User.Registration	<b>User Registration</b>	<b>A new user creates an account by compiling the form. He can choose an existing organization to be assigned to or create a new one.</b>	
P1.1	P1			User registrates with missing user fields	click on 'Sign in'; click on 'Create Account'; insert a valid email and the correct captcha (text verification field) . do not insert one of the required fields (first name, last name and screen name)	
P1.2	P1			User registrates with invalid email	insert first name, last name, screen name and the correct captcha (text verification field) . insert an invalid email address (or just don't insert it)	
P1.3	P1			User registrates without captcha	insert first name, last name, screen name and a valid email address. Insert an wrong captcha (text verification field) or just don't insert it	
P1.4	P1			User registrates with valid data to a new organization / user side	insert your own data (names and email address). insert also the organization you belong to (must not be already listed among the registered organizations)	<b>Email address will be used to send notifications, and should therefore be real and owned by the user .</b> In order to log into the system the new user and organisation need to be activated by an administrator. After the activation, which is notified via email to the user, he can log into the portal and he is ranked as an administrator of the new organization. If the user writes a new org in the text box and also selects an existing organization from the combo box, the combo box is not read.
P1.5	P1			User registrates with valid data to a new organization / administrator side	<u>Prerequisite:</u> the previous test case (user registration with correct data) has been performed with success	<b>This test case can only be tested by the system administrator.</b>
P1.6	P1			User registrates twice with the same data	<u>Prerequisite:</u> the registration of the previous test case must have been completed with success (the user side part is enough) insert the same data like in the above registration test case (user side test case); at least screen name or email address must be the same	

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P1.7	P1			User registrates with valid data to an existing organization	insert your own data (screen name and email address must not be already registered) choose 'okv' as organization to belong to	Email address might be used to send notifications, and should therefore be owned by the user. In order to log into the system the new user needs to be activated by an administrator. After the activation, which is notified via email to the user, he can log into the portal, belonging to the <u>chosen organization</u> .
P1.8	P1			Administrator activates the account a user has created.	the administrator activates the account created by a user. if a new organization has been contextually registered, then he also configures it assigning it to the 'HarmoSearch' community.	<b><i>This test case can only be tested by the administrator.</i></b> When an account is created by a user, the administrator receives a notification to activate the account and a second notification asking to configure the organization if a new one has been created.
P1.9	P1			Content of the user registration page	User registration page allows creation of a new user. It contains fileds, menus, buttons.	Describe in the test partition improvements if necessary
P1.10	P1			Documentation of the user registration page	Link to the documentation	Describe in the test partition improvements if necessary
P1.11	P1			Emails exchange	There are 2 emails being sent: one for creation and one formnotification	Describe in the test partition improvements if necessary
P				<b>User Login</b>	<b>A user logs in into the HarmoSearch portal</b>	
P2.1	P2			User logs in with right credentials the first time	click on 'Sign in'log in with new credentials	
P2.1	P2			after a successfull login, user wnats to change its password using his profile	click on user name (upper right) and change password	
P2.2	P2			User logs in with wrong credentials	click on 'Sign in' log in with missing or wrong email address or password.	
P2.3	P2			User logs in with correct credentials	log in with the right email address and the password received by email.	
P2.4	P2			User takes an overview of the availability of the services	take a look on the Services Board portlet in the home page	You can further check by uploading the mapping file 'HTO_Euromuse.xslt' (available in the test data folder) from within 'Configurations'->'Mapping Store' in the row 'Upload mapping from Harmonise ontology to local system (for importing/receiving data) ' and check again on the services board that the Import Data is now Active

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P2.5	P2			User has forgotten its identifiers and requires them to be sent again	click on 'Forgot Password' enter the answer of the question	
P2.6	P2			Content of the signin block	Sing in block has user and password filed + Button	Describe in the test partition improvements if necessary
P2.7	P2			Documentation of the user login page	Link to the documentation	Describe in the test partition improvements if necessary
P3				<b>Metasearch</b>	<b>A user performs metasearch by using the search fields of the interface or by posting directly HarmoSearch queries in the text area</b>	
P.3.0	P3	P3.12, P3.13,	<b>Metasearch</b>	Metasearch query	go in the 'Metasearch' tab execute a simple search	No mapping has been added at this stage
P.3.1	P3			Insert invalid query	go in the metasearch tab click on 'Advanced Search' and insert an invalid HarmoSearch query (as an example you can use the test query 'SQ0_invalid_metasearch_query.xml')	
P.3.2	P3			Registry is unavailable in metasearch	<u>Prerequisite:</u> the registry has been shut down select any kind of simple or advanced metasearch  <u>Post:</u> start the registry again	<b><i>This test case can only be tested by the administrator.</i></b>
P.3.3	P3	P3.3,		Query mapping is missing in metasearch	<a href="#">Delete euromuse query mapping</a>	then go to next cell
P.3.4	P3	P3.3, P3.4,		Query mapping is missing in metasearch	go on 'Metasearch' and execute any simple search selecting 'euromuse' as data provider	
P.3.5	P3	P3.3,		Query mapping is missing in metasearch	<a href="#">Add euromuse query mapping</a>	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.3.6	P3	P3.6,		Data provider is not available in metasearch	<a href="#">Misconfigure euromuse query service access parameters</a>	
P.3.7	P3	P3.6,		Data provider is not available in metasearch	Perform any simple search selecting euromuse as data provider, all as category	
P.3.8	P3	P3.6,		Data provider is not available in metasearch	<a href="#">Restore euromuse query service access parameters</a>	
P.3.9	P3	P3.9,		Data mapping is missing in metasearch	<a href="#">Delete euromuse data mapping from local system to HTO</a>	
P.3.10	P3	P3.9,		Data mapping is missing in metasearch	go on 'Metasearch' and execute any simple search selecting 'euromuse' as data provider	
P.3.11	P3	P3.9,		Data mapping is missing in metasearch	<a href="#">Add euromuse data mapping from local system to HTO</a>	
P.3.12	P3	P3.12,		Metasearch on unregistered category	<a href="#">Change euromuse data configuration in the semantic registry</a>	
P.3.13	P3	P3.12,		Metasearch on unregistered category	go in the 'Metasearch' tab execute a simple search on euromuse selecting 'exhibition music' as category	
P.3.14	P3	P3.12,		Metasearch on unregistered category	<a href="#">Restore euromuse data configuration in the semantic registry</a>	
P.3.15	P3	P3.12, P3.13,		Metasearch on unregistered category	go in the 'Metasearch' tabexecute a simple search on euromuse selecting 'exhibition music' as category	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
SQ1			Search Query Language	Search all from Euromuse	Return all possible information for all domains coming from Eurmuse. Use the Advanced Search area (same for all items marked SQxxx)	<b>Output</b> should contain title, shoth description, event location, event category, date range, url, vignette.
SQ2				Search All events	Retun all possible events	<b>Output</b> should be result list: see SQ1
SQ2.1	SQ2			Search All events, Alternative 1	Retun all possible events	Alternative 1: <b>Output</b> should be Detailed EN: contain title, short description, event location, event category, date range, url, vignette, detailed description, price range. All text should be English <b>Comment from CP - so far the metasearch engine does handle "context" information (optional result fields, language preferences, etc.) so even if they are present in the query language then they are ignored</b>
SQ3				Search All events within time frame	Retun all possible events within [1.4.2012, 30.04.2012 ]	<b>Output</b> should be result list: see SQ1 <b>Comment from CP - if you specify both start and end date you will get events whose time interval overlaps with the specified dates</b>
SQ3.1	SQ3			Search All events within time frame, alternative 1	Retun all possible events starting from 1.4.2012	<b>Output</b> should be result list: see SQ1 Alternative 1: give only Date 1 <b>Comment from CP - if you specify only the start date you will get all events which ends after the specified date (independently from when they start)</b>
SQ3.2	SQ3			Search All events within time frame, alternative 2	Retun all possible events until 30.04.2012	<b>Output</b> should be result list: see SQ1 Alternative 2: give only date 2 <b>Comment from CP - if you specify only the end date you will get all events which starts before the specified date (independently from when they end) - THEREFORE ALSO PAST EVENTS ARE RETRIEVED</b>
SQ3.3	SQ3			Search All events within time frame, Alternative 3	Retun all possible events and attractions within [1.4.2012, 30.04.2012 ]	<b>Output</b> should be result list: see SQ1 Alternative 3: All events during that period and all attractions at that date in the same query <b>Comment from CP: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions), colud be implemented in the metasearch engine but this is not iet available</b>
SQ4				Search All events within locations	Retun all possible events in Berlin/Germany	<b>Output</b> should be result list: see SQ1
SQ4.1	SQ4			Search All events within locations	Retun all possible events in Germany	<b>Output</b> should be result list: see SQ1 Alternative 1: In Germany (Country instead of given city)

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
SQ4.2	SQ4			Search All events within locations	Retun all possible events in Frankfurt	Output should be result list: see SQ1 Alternative 2: in FRA (IATA code for Frankfurt) Comment from CP: HarmoNET tourism ontology uses the ISO 3166 two-letter (or 'A2') country codes and the full city name (not the IATA code)
SQ4.3	SQ4			Search All events within locations	Retun all possible events in Italy	Output should be result list: see SQ1 Alternative 3: in IT (ISO code for Italy)
SQ4.4	SQ4			Search All events within locations	Retun all possible events in Biella or Berlin	Output should be result list: see SQ1 Alternative 4: in Biella or Berlin
SQ4.5	SQ4			Search All events within locations	Retun all possible events in Biella or Berlin within [1.4.2012,30.04.2012]	Output should be result list: see SQ1 Alternative 5: in Biella or Berlin within a certain period
SQ4.6	SQ4			Search All events within locations	Retun all possible events in Biella within [1.4.2012,30.04.2012] or Berlin within [1.5.2012,31.05.2012]	Output should be result list: see SQ1 Alternative 6: in Biella within a certain period or Wien within another period
SQ4.7	SQ4			Search All events within locations	Retun all possible events in Bertlin if no attractions	Output should be result list: see SQ1 Alternative 7: in Berlin at that date if there is no attraction (in Berlin at that date) Comment from CP - alternative 7: in this first version the query language is not able to handle queries joining different domains (e.g. events and attractions)
SQ5				Search All events for certain categories	Retun all possible events in Biella corresponding to cultural	Output should be result list: see SQ1
SQ5.1	SQ5			Search All events for certain categories	Retun all possible events in Berlin corresponding to modern art exhibitions or sculpture exhibitions	Output should be result list: see SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or sculpture exhibitions
SQ5.2	SQ5			Search All events for certain categories	Retun all possible events in Berlin or Biella corresponding to modern art exhibitions	Output should be result list: see SQ1 Alternative 2: in Berlin or Biella or corresponding to modern art exhibitions
SQ5.3	SQ5			Search All events for certain categories	Retun all possible events in Berlin or Biella corresponding to modern art exhibitions during that period	Output should be result list: see SQ1 Alternative 3: in Berlin or Biella corresponding to modern art exhibitions during that period
SQ5.4	SQ5			Search All events for certain categories	Retun all possible events in Biella corresponding to sport or cultural in that period and the events in Berlin corresponding to modern art exhibition or sculpture exhibition in the same period	Output should be result list: see SQ1 Alternative 4: in Biella corresponding to sport or cultural in that period and in Berlin corresponding to modern art exhibition or sculpture exhibition in the same period

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
SQ5.5	SQ5			Search All events for certain categories	Return all possible events in Biella corresponding to cultural in that period and the events in Berlin corresponding to modern art exhibition in the same period	<b>Output</b> should be result list: see SQ1 Alternative 5: in Biella corresponding to cultural in that period and in Berlin corresponding to modern art exhibition in the same period
SQ6				Search All events using geo coordinates	Search All events around a certain gps pont and a radius	<b>Output:</b> Should be result list: see SQ1 <b>Comment from CP:</b> not yet handled geo coordinates
SQ6.1	SQ6			Search All events using geo coordinates	Search All events between a certain gps upper left corner and lower right corner	<b>Output:</b> Should be result list: see SQ1 Alternative 1: Provide geo point of upper left corner and lower right corner <b>Comment from CP:</b> not yet handled geo coordinates
P3.16	P3		Metasearch	Content of the Metasearch page	Overall structure of meta search page. Simple, advanced and response block will be detailed in different area	Describe in the test partition improvements if necessary
P3.17	P3			Content of the Simple Search	Simple search area	Describe in the test partition improvements if necessary
P3.18	P3			Content of the Advanced Search	Advanced search area	Describe in the test partition improvements if necessary
P3.19	P3			Content of the Result area	Result list area	Describe in the test partition improvements if necessary
P3.20	P3			Documentation of the Metasearch Page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.4.1	P4	P4.1, P4.2,	change:Push.Data	<b>Push Data</b>	<b>A user pushes a data file to some other HarmoSearch organization</b>	
				Push without permission	<a href="#">delete the permission 'PUSH to euromuse'</a>	

Id	Parent	Sequen	Ex/Action	Name	Description	Comment (and alternatives)
P.4.2	P4	P4.1, P4.2,		Push without permission	log in with your user go on 'Exchange Data' ->'Push Data'	
P.4.3	P4	P4.1, P4.2,		Push without permission	<a href="#">add the permission 'PUSH to euromuse' with past dates</a>	
P.4.4	P4	P4.1, P4.2,		Push without permission	log in with your user go on 'Exchange Data' ->'Push Data'	
P.4.5	P4	P4.1, P4.2,		Push without permission	<a href="#">modify the permission 'PUSH to euromuse'</a>	
P.4.6	P4			Push with missing data file or receiver	log in with your user go on 'Exchange Data' ->'Push Data' click on 'Send' without selecting a file to send (or without selecting any receiver)	You can use any file in this test case
P.4.7	P4			Push with missing data mapping file	<u>Prerequisite:</u> mapping file from local system to Harmonise ontology must not be available for your organization (check in 'Configurations' -> 'Mapping Store', and if necessary delete it)  log in with your user go on 'Exchange Data' ->'Push Data' <del>select 'CPR' as receiver and 'euromuse_to_push.xml' (available in the test folder) as data file</del>	
P.4.8	P4	P4.8,		Push data file not compliant with your mapping file	<a href="#">Add data mapping from local system to HTO</a>	
P.4.9	P4	P4.8, P4.9		Push data file not compliant with your mapping file	log in with your user go on 'Exchange Data' ->'Push Data' select 'CPR' as receiver and 'harmonise_to_push.xml' (available in the test folder) as data file click on 'Send'	

Id	Parent	Sequen	Action	Comment		
				Name	Description	(and alternatives)
P.4.10	P4			Push data file to receiver which has not provided data mapping towards its local system: euromusemf	log in with your user go on 'Exchange Data' ->'Push Data' select 'euromusemf' as receiver and 'euromuse_to_push.xml' (available in the test folder) as data file click on 'Send'	
P.4.11	P4	P4.11		Upload data mapping file	<a href="#">Add data mapping from local system to HTO</a>	
P.4.12	P4	P4.11, P4.12		Push data file to multiple receivers	log in with your user go on 'Exchange Data' ->'Push Data' select 'euromuse' and 'CPR' as receivers and 'euromuse_to_push.xml' (available in the test folder) as data file click on 'Send'	
P.4.13	P4	P4.13,		Push to provider that has personalized the location where to send the data	<a href="#">configure euromuse service to receive data as HTTP service</a>	
P.4.14	P4	P4.13, P4.14,		Push to provider that has personalized the location where to send the data	log in with your user go on 'Push Data' and use 'euromuse_to_push' as data file and select euromuse as receiver	<b><i>This test case can only be tested partially by the user. The confirmation of the remote euromuse service administrator is required.</i></b>
P.4.15	P4	P4.13,		Push to provider that has personalized the location where to send the data	<a href="#">configure euromuse service to receive data as Web Portal GUI</a>	
P.4.16	P4			Content of the Push data page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.4.17	P4			Documentation of the Push Data Page	Link to the documentation	Describe in the test partition improvements if necessary
P			ange:Import.Data	<b>Import Data</b>	<b>A user imports data from some providers by using the search fields of the interface or by posting directly HarmoSearch queries in the text area</b>	
P.5.1	P5	P5.1, P5.2,		Import without permissions to query	<a href="#">delete the permission 'QUERY to euromuse'</a>	

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P.5.2	P5	P5.1, P5.2,	Exch	Import without permissions to query	log in with your user go on 'Exchange Data' ->'Import Data'	
P.5.3	P5	P5.1, P5.2,		Import without permissions to query	<a href="#">add the permission 'QUERY to euromuse' with wrong dates</a>	
P.5.4	P5	P5.1, P5.2,		Import without permissions to query	log in with your user go on 'Exchange Data' ->'Import Data'	
P.5.5	P5	P5.1, P5.2,		Import without permissions to query	<a href="#">modify the permission 'QUERY to euromuse'</a>	
				Import wfrom simple query without query mapping	log in with your user go on 'Exchange Data' ->'Import Data'	use a simple query
P.5.6	P5			Import with invalid query	log in with your user go on 'Exchange Data' ->'Import Data' perform an advanced search with an incorrect HarmoSearch query (you can use for instance the test query 'SQ0_invalid_import_query.xml')	
P.5.7	P5			Import with unavailable registry	<u>Prerequisite:</u> the registry has been shut down perform any kind of simple or advanced import  <u>Post:</u> start the registry again	<b><i>This test case can only be tested by the system administrator.</i></b>
P.5.8	P5	P5.8,		Query mapping is missing in import	<a href="#">Delete euromuse query mapping</a>	then go to next cell
P.5.9	P5	P5.8, P5.9,		Query mapping is missing in import	log with your user, go in 'Import Data' and execute a simple search selecting just 'euromuse' as data provider	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.5.10	P5	P5.8,		Query mapping is missing in import	<a href="#">Add euromuse query mapping</a>	
P.5.11	P5	P5.11,		Data mapping of remote provider is missing in import	<a href="#">Delete euromuse data mapping from local system to HTO</a>	
P.5.12	P5	P5.11, P5.12,		Data mapping of remote provider is missing in import	log with your user, go in 'Import Data' and execute a simple search selecting just 'euromuse' as data provider	
P.5.13	P5	P5.11,		Data mapping of remote provider is missing in import	<a href="#">Add euromuse data mapping from local system to HTO</a>	
P.5.14	P5			Own data mapping is missing in import	<u>Prerequisite:</u> mapping file from Harmonise ontology to local system must not be available for your organization (check in 'Configurations' -> 'Mapping Store', and if necessary delete it)  log with your user go on 'Exchange Data'->'Import Data' and perform an import from 'euromuse' selecting 'exhibition ancient world'	
P.5.15	P5	P5.15, P5.16,		Data provider is unavailable in import	<a href="#">Misconfigure euromuse query service access parameters</a>	
P.5.16	P5	P5.15, P5.16,		Data provider is unavailable in import	perform an import through Simple Search setting euromuse as data provider, all as category	
P.5.17	P5	P5.15,		Data provider is unavailable in import	<a href="#">Restore euromuse query service access parameters</a>	
P.5.18	P5			Import on unregistered category	perform an import through Simple Search setting euromuse as data provider, 'activity' as category	
P.5.19	P5	P5.19,		Import all from euromuse with Advanced Search	<a href="#">Add data mapping from HTO to local system</a>	

Id			Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.5.20	P5	P5.19, P5.20		Import all from euromuse with Advanced Search	perform an import through Advanced Search using 'SQ1_for_import.xml'			
P.5.21	P5	P5.21, P5.22		Import using Simple Search	<a href="#">Add data mapping from HTO to local system</a>			
P.5.22	P5	P5.21, P5.22		Import using Simple Search	perform an import through Simple Search setting all as data provider, all as category, 1-31 March as period			
P.5.23	P5	P5.23,		Import as provider that has personalized the location where to send the import result data	<a href="#">configure your service to receive import data as HTTP service</a>			
P.5.24	P5	P5.23, P5.24,		Import as provider that has personalized the location where to send the import result data	go on 'Import Data' and execute an import selecting 'biella' as data provider (imports everything)	<b><i>This test case can only be tested partially by the user. The confirmation of the remote euromuse service administrator is required.</i></b>  The results file will be available also in the 'Querybox', although it is configured to be sent to the HTTP service.		
P.5.25	P5	P5.23,		Import as provider that has personalized the location where to send the import result data	<a href="#">configure your service to receive import data as Web Portal GUI</a>			
P.5.2	P5			Content of the import data page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary		
P.5.27	P5			Documentation of the Import Data Page	Link to the documentation	Describe in the test partition improvements if necessary		
P			re:Schedul	<b>Scheduler</b>	<b>A user schedules an import or a push operation to be executed on a regular base (daily, weekly or monthly)</b>			
P.6.1	P6	P6.1,		Schedule a data import correctly	<a href="#">Add data mapping from HTO to local system</a>			

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.6.2	P6	P6.1, P6.2	Exchange	Schedule a data import correctly	log in with your user go on 'Exchange Data'-'>'Scheduler' and select IMPORT Data as Operation euromuse as recipient exhibition art history as category each day at hh mm in scheduled options (see comment!) click 'Schedule task'	The HarmoSearch portal server has GMT time. You must therefore subtract 1 hour to the time you want the operation to be scheduled (that is true if your time is GMT+1).
P.6.3	P6			Schedule with unavailable registry	<u>Prerequisite:</u> the registry has been shut down perform any kind of scheduled import  <u>Post:</u> start the registry again	<b><i>This test case can only be tested by the system administrator.</i></b>
P.6.4	P6			Schedule a push with no data provider attached	<u>Prerequisite:</u> your organization has no data provider attached (check in 'Configurations'-'>'Query Service' and select your organization in Registry Data Management: there should be no Data Provider Attached; otherwise delete it)  logged in with your user go on 'Exchange Data'-'>'Scheduler' and select PUSH Data as Operation CPR as recipient exhibition ancient world as category each day at hh mm in scheduled options (see comment!) click 'Schedule task'	The HarmoSearch portal server has GMT time. You must therefore subtract 1 hour to the time you want the operation to be scheduled (that is true if your time is GMT+1).
P.6.5	P6	P6.5, P6.6,		Schedule a push correctly	<a href="#">Attach a data provider to your organisation</a>	
P.6.6	P6	P6.5, P6.6,		Schedule a push correctly	<a href="#">Add query mappings for your organisation</a>	
P.6.7	P6	P6.5, P6.6,		Schedule a push correctly	<a href="#">Add data mapping from local system to HTO</a>	

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P.6.8	P6	P6.5, P6.6, P6.7,		Schedule a push correctly	log in with your user go on 'Exchange Data'-'>'Scheduler' and select PUSH Data as Operation CPR as recipient exhibition ancient world as category each day at hh mm in scheduled options (see comment!) <u>click 'Schedule task'</u>	The HarmoSearch portal server has GMT time. You must therefore subtract 1 hour to the time you want the operation to be scheduled (that is true if your time is GMT+1). In a scheduled push the user does not upload a file but he submits a query that allows the system to automatically export the data to be sent from his system, therefore the user needs to register a query service and to upload a query mapping to use this functionality.
P.6.9	P6	P6.5, P6.6,		Schedule a push correctly	<a href="#">Delete data provider attached to your organisation</a>	
P.6.1	P6			Content of the scheduler page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.6.11	P6			Documentation of the Scheduler Page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.7.1	P7	P7.1,	Exchange:Operation:Status	Check status of push in 'operation status'	<a href="#">Execute a push operation</a>	
P.7.2	P7	P7.1, P7.2		Check status of push in 'operation status'	log in with your user go on 'Exchange Data' ->'Operation Status'	
P.7.3	P7	P7.3,		Check status of import in 'operation status'	<a href="#">Execute an import operation</a>	
P.7.4	P7	P7.3, P7.4		Check status of import in 'operation status'	log in with your user go on 'Exchange Data' ->'Operation Status'	
P.7.5	P7			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.7.6	P7			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.8.1	P8	P8.1,	Data:Inbox	Check results of push in 'Inbox'	<a href="#">Execute a push operation</a>	

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P.8.2	P8	P8.1,		Check results of push in 'Inbox'	log in with euromuse (euromuse@harmonet.org, euromuse) go on 'Data Repository' ->'Inbox'	
P.8.	P8			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.8.4	P8			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.9.1	P9	P9.1,	Data:Outbox	Check results of push in 'Outbox'	<a href="#">Execute an unsuccessful push operation</a>	
P.9.2	P9	P9.1,		Check results of push in 'Outbox'	log in with your user go on 'Data Repository' ->'Outbox'	
P.9.3	P9			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.9.4	P9			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.10.	P10	P10.1	Data:Sentbox	Check results of push in 'Sentbox'	<a href="#">Execute a successful push operation</a>	
P.10.2	P10	P10.1,		Check results of push in 'Sentbox'	log in with your user go on 'Data Repository' ->'Sentbox'	
P.10.	P10			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.10.4	P10			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.11.	P11	P11.1	Data:Querybox	Check results of push in 'Querybox'	<a href="#">Execute a successful import operation</a>	
P.11.2	P11	P11.1,		Check results of push in 'Querybox'	log in with your user go on 'Data Repository' ->'Querybox'	
P.11	P11			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P.11.4	P11			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P12			Configurations: Access Policies			
P.12.1	P12			delete the permission 'PUSH to euromuse'	log in as euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Access Policies' <del>delete the permission 'All can PUSH to euromuse' if it exists</del>	
P.12.2	P12			add the permission 'PUSH to euromuse' with wrong dates	log in as euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Access Policies' <del>add the permission 'All can PUSH to euromuse' setting start date to 1/2/2012 and end date to 29/2/2012</del>	
P.12.3	P12			modify the permission 'PUSH to euromuse'	log in as euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Access Policies' modify the permission 'All can PUSH to euromuse' removing all the constraints	
P.12.4	P12			delete the permission 'QUERY to euromuse'	log in as euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Access Policies' delete the permission 'All can QUERY to euromuse' if it exists	
P.12.5	P12			add the permission 'QUERY to euromuse' with wrong dates	log in as euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Access Policies' add the permission 'All can QUERY to euromuse' setting start date to 1/2/2012 and end date to 29/2/2012	
P.12.6	P12			modify the permission 'QUERY to euromuse'	log in as euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Access Policies' <del>modify the permission 'All can QUERY to euromuse' removing all the constraints</del>	
P.12	P12			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.12.8	P12			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P13			Configurations: Mapping Store			
P.13.1	P13			Upload data mapping file from local system to Harmonise ontology	log in with your user. go on 'Configurations'->'Mapping Store'. choose 'Upload mapping from local system to Harmonise ontology (for sending data)'. Select the mapping from local system to Harmonise ontology (you can choose the file available in the test folder as 'Euromuse_HTO.xslt'). click on 'Send' and check for the success message on <u>top of the page</u>	
P.13.2	P13			Delete data mapping file from local system to Harmonise ontology	log with your user. go on 'Configurations'->'Mapping Store'. delete the data mapping file from local system to Harmonise Ontology if it exists	
P.13.3	P13			Upload data mapping from Harmonise ontology to local system	log in with your user. go on 'Configurations'->'Mapping Store'. choose 'Upload mapping from Harmonise ontology to local system (for importing/receiving data)'. select the mapping from Harmonise ontology to local system (you can choose the file available in the test folder as 'HTO_Euromuse.xslt'). click on 'Send' and check for the success message on <u>top of the page</u>	

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P.13.4	P13			Delete data mapping from Harmonise ontology to local system	log with your user go on 'Configurations'->'Mapping Store' delete the data mapping file from Harmonise Ontology to local system if it exists	
P.13.5	P13			Delete euromuse data mapping file	log in as 'euromuse' (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Mapping Store' delete the data mapping file (10835_so.xslt) if it exists	
P.13.6	P13			Upload euromuse data mapping file	log in as 'euromuse' (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Mapping Store' choose 'Upload mapping from local system to Harmonise ontology (for sending data)'	
P.13.7	P13			Upload query mapping files	log with your user go on 'Configurations'->'Mapping Store' choose 'Upload query mapping to translate HarmoSearch fields and enumerations'	
P.13.8	P13			Delete query mapping files	log with your user go on 'Configurations'->'Mapping Store' delete the two query mapping files if they exist	
P.13.9	P13			Delete euromuse query mapping file	log in as 'euromuse' (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Mapping Store' delete the query structure mapping file (10835_query_os.xslt) if it exists	
P.13.10	P13			Upload euromuse query mapping file	log in as 'euromuse' (euromuse@harmonet.org, euromuse) go on 'Configurations'->'Mapping Store' choose 'Upload query mapping to translate HarmoSearch query structure'	
P.13.11	P13			Download Mapping Tool	go on 'Configurations'->'Mapping Store' download the file within 'Download Mapping Tool', if it exists	
P.13.12	P13			Upload private support library for the mapping	go on 'Configurations'->'Mapping Store' upload any file in the 'Upload support library' portlet	This test case verifies only that the support library is uploaded. If it works correctly, linked with the actual mapping files, is tested in the Query and/or Data Mapping Validation.
P.13.13	P13			Delete private support library for the mapping	go on 'Configurations'->'Mapping Store' delete the private support library file from the box if it exists	
P.13	P13			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.13.15	P13			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P						
P.14.1	P14			Register a new data provider in the semantic registry	login with your user go in 'Configurations'->'Query Service' and select your organization in Registry Data Management Create and attach a new Data Provider assigning as id <Your-organization name> dataprovider (no whitesapces!)	
P.14.2	P14			Delete a data provider from the semantic registry	login with your user go in 'Configurations'->'Query Service' and select your organization in Registry Data Management select the Data Provider attached to your organisation if it exists	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.14.3	P14		Configur	Modify euromuse configuration in the semantic registry: change the Service Access Endpoint	login with user euromuse (euromuse@harmonet.org, euromuse) go in 'Configurations'-'>'Query Service' and select Euromuse in Registry Data Management select the 'Euromuse Exhibitions' data provider edit the service access endpoint inserting 'http://www.euromuse.net/harmonise' as service access endpoint (no whitespaces!)	
P.14.4	P14			Modify euromuse configuration in the semantic registry: restore the Service Access Endpoint	login with user euromuse (euromuse@harmonet.org, euromuse). go in 'Configurations'-'>'Query Service' and select Euromuse in Registry Data Management. select the 'Euromuse Exhibitions' data provider. edit the service access endpoint inserting 'http://www.euromuse.net/harmonise/query/query.php' as service access endpoint (no whitespaces!). 'Save changes'	
P.14.5	P14			Modify euromuse configuration in the semantic registry: change a category	login with user euromuse (euromuse@harmonet.org, euromuse). go in 'Configurations'-'>'Query Service' and select Euromuse in Registry Data Management. select the 'Euromuse Exhibitions' data provider. click on 'EDIT Data Description'. edit the text displayed in the text area changing 'exhibition music' with 'exhibition pop music'	
P.14.6	P14			Modify euromuse configuration in the semantic registry: restore the category	login with user euromuse (euromuse@harmonet.org, euromuse).go in 'Configurations'-'>'Query Service' and select Euromuse in Registry Data Management. select the 'Euromuse Exhibitions' data provider. click on 'EDIT Data Description'. edit the text displayed in the text area changing 'exhibition pop music' with 'exhibition music'	
P.14	P14			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.14.8	P14			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P15			Configurations: Receive Data			
P.15.1	P15			Select to receive the data which are sent by other organisations through an HTTP service (for euromuse)	log in with user euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations' ->'Receive data' select the 'receive data' row and click on 'Modify' select 'HTTP service', insert as url, user and password: http://www.euromuse.net/harmonise/sendfile/send.php karin, karin	Click on 'InitialiseDefault services' if there are no rows
P.15.2	P15			Select to access the data which are sent by other organisations through the Web Portal GUI (for euromuse)	log in with user euromuse (euromuse@harmonet.org, euromuse) go on 'Configurations' ->'Receive data' select the 'receive data' row and click on 'Modify' select 'Web Portal GUI'	Click on 'InitialiseDefault services' if there are no rows

Id	Parent	Sequen	Action			
				Name	Description	Comment (and alternatives)
P.15.3	P15			Select to receive the data imported by other organisations through an HTTP service	log in with your user go on 'Configurations'->'Receive Data' select the 'receive query results' row and click on 'Modify' select 'HTTP service', insert as url, user and password: http://www.euromuse.net/harmonise/sendfile/send.php (no whitespaces!) karin_karin	Click on 'InitialiseDefault services' if there are no rows
P.15.4	P15			Select to access the data imported by other organisations through the Web Portal GUI	log in with your user go on 'Configurations'->'Receive Data' select the 'receive query results' row and click on 'Modify' select 'Web Portal GUI'	Click on 'InitialiseDefault services' if there are no rows
P.15	P15			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.15.6	P15			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P1				<b>Data Mapping Validation</b>	<b>The user checks his data mappings by uploading an instance file and checking the results of the transformation</b>	
P.16.1	P16			Check mapping with missing instances file	log in with your user go on 'Mapping Validation'->'Data Mapping Validation' <u>do a Forward mapping without selecting any file</u>	
P.16.2	P16			Check forward mapping with missing mapping file	<u>Prerequisite:</u> mapping file from local system to Harmonise ontology must not be available for your organization (check in 'Configurations' -> 'Mapping Store', and if necessary delete it). go on 'Data Mapping Validation' and in the Forward Mapping Validation portlet select HarmoNET as output format using 'euromuse_to_push.xml' (in test folder) as instance data file	
P.16.3	P16			Check backward mapping with missing mapping file	<u>Prerequisite:</u> mapping file from Harmonise ontology to local system must not be available for your organization (check in 'Configurations' -> 'Mapping Store', and if necessary delete it). go on 'Data Mapping Validation' and in the Backward Mapping Validation portlet select HarmoNET as input format using 'harmonise_to_push.xml' (in test folder) as instance data file	
P.16.4	P16	P16.4,		Check forward mapping with instance data not compliant to mapping	<a href="#">Add data mapping from local system to HTO</a>	
P.16.5	P16	P16.4,		Check forward mapping with instance data not compliant to mapping	go on 'Data Mapping Validation' and in the Forward Mapping Validation portlet select HarmoNET as output format using 'harmonise_to_push.xml' (in test folder) as instance data file	
P.16.6	P16	P16.6,		Check backward mapping with instance data not compliant to mapping	<a href="#">Add data mapping from HTO to local system</a>	
P.16.7	P16	P16.6,		Check backward mapping with instance data not compliant to mapping	go on 'Data Mapping Validation' and in the Backward Mapping Validation portlet select HarmoNET as input format using 'euromuse_to_push.xml' (in test folder) as instance data file	
P.16	P16	P16.8		Check forward mapping successfully	<a href="#">Add data mapping from local system to HTO</a>	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.16.9	P16	P16.8,		Check forward mapping successfully	go on 'Data Mapping Validation' and in the Forward Mapping Validation portlet select HarmoNET as output format using 'euromuse_to_push.xml' (in test folder) as instance data file	
P.16.1	P16	P16.10		Check backward mapping successfully	<a href="#">Add data mapping from HTO to local system</a>	
P.16.11	P16	P16.10,		Check backward mapping successfully	go on 'Data Mapping Validation' and in the Backward Mapping Validation portlet select HarmoNET as input format using 'harmonise_to_push.xml' (in test folder) as instance data file	
P.16	P16			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.16.13	P16			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P17			Mapping: Query Mapping Validation	<b>Query Mapping Validation</b>	<b>The user checks his query mappings by uploading a test query and checking the results of the transformation</b>	
P.17.1	P17			Check query mapping with missing or wrong query	go on 'Mapping Validation' -> 'Query Mapping Validation' and do not insert any query, or the invalid query of 'SQ0_invalid_metasearch_query.xml' in the test folder	
P.17.2	P17			Check query mapping with missing query mapping file	<u>Prerequisite:</u> query mapping file for your organisation must not be available (check in 'Configurations' -> 'Mapping Store', and if necessary delete them)  log in with your user	
P.17.	P17	P17.3		Check query mapping with success	<a href="#">Add query mappings for your organisation</a>	
P.17.4	P17	P17.3,		Check query mapping with success	log in with your user go on 'Query Mapping Validation' insert the test query 'SQ1.xml' available in the test folder	
P.17	P17			Content of the page	Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary
P.17.6	P17			Documentation of the page	Link to the documentation	Describe in the test partition improvements if necessary
P			Web Services	<b>Web Services</b>	<b>A user of an external system (or the system itself) invokes an operation on the platform through a Web Service instead of the GUI</b>	
P.18.1	P18			SimpleSearch import through Web Service with wrong or missing parameters	perform an import with 'simpleSearch' method with one or more of the following wrong or missing (null) parameters: a null sender or wrong name wrong name of some receiver a date format in search_criteria different from 'dd.mm.yyyy' a country code that is not two letter code from ISO 3166-1	To be tested using Oxygen or XMLSpy or similar. WSDL: <a href="http://harmosearchdev.harmonet.org/WebAccessPortal-portlet/DataExchangeManager?wsdl">http://harmosearchdev.harmonet.org/WebAccessPortal-portlet/DataExchangeManager?wsdl</a>
P.18.2	P18	P18.2,		SimpleSearch import correctly through Web Service	<a href="#">Add data mapping from HTO to local system</a>	

Id	Parent	Sequen	Action	Name	Description	Comment (and alternatives)
P.18.3	P18	P18.2, P18.3		SimpleSearch import correctly through Web Service	perform an import with 'simpleSearch' method using your organization's name as sender, 'euromuse' as receiver and void (not null!) search_criteria	Same as P18.1
P.18.4	P18			AdvancedSearch import through Web Service with wrong or missing parameters	perform an import with 'advancedSearch' method with one or more of the following wrong or missing (null) parameters: a null sender or wrong name a null xml_query parameter <del>'SQ0_invalid_import_query' (from test folder) as xml_query</del>	Same as P18.1
P.18.5	P18	P18.5,		AdvancedSearch import correctly through Web Service	<a href="#">Add data mapping from HTO to local system</a>	
P.18.6	P18	P18.5, P18.6		AdvancedSearch import correctly through Web Service	perform an import with 'advancedSearch' method using your organization's name as sender, and 'SQ1_for_import.xml' (from test folder) as xml_query	Same as P18.1
P.18.7	P18			Push data file through Web Service with wrong or missing parameters	perform an import through 'pushData' method with one or more of the following parameters wrong or missing: sender null or with wrong name receivers null or with some wrong name xml_file null, is not available on the file system, or is not compliant with the expected format (you can use <del>'harmonise_to_push.xml' available in the test folder</del> )	Same as P18.1
P.18.8	P18	P18.8,		Push data file through Web Service correctly to multiple receivers	<a href="#">Add data mapping from local system to HTO</a>	
P.18.9	P18	P18.8, P18.9		Push data file through Web Service correctly to multiple receivers	perform an import through 'pushData' method, setting your organization's name as sernder, 'euromuse' and 'CPR' as receivers, and using 'euromuse_to_push.xml' (available in the test folder) as xml_file	Same as P18.1
P.18.10	P18			Content of the documentation	See 'Annex_D_4_3_Web Service APIs Specifications_v0.2.docx' file available in SVN at /04_Query_Mapping/metasearch engine	Describe in the test partition improvements if necessary

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P0										
P0.1					W D F		I would expect a more direct home page to sign in with capacity to login directly or to access new account. I would also expect to see some text detailing either what I get if I register or that redirects me to an information page (not present now)	O AV		ok, to be improved communication but next release
P0.2					W D F		Displays panel Ok ! I think we should have additional feature, like a panel to know what new partner is present otherwise why would I want to register and I therefore may not the information if I do not go to the list. We may want also to have a list of data that was exchanged since last login (like what hatches happened	O AV		ok, to be improved communication but next release
P0.3		-	C P R	Not available in this release	-	D F		-	AV	
P										
P1.1	Error message is shown: "You have entered invalid data. Please try again." and "Please enter a valid [ first name   last name   screenname ]"	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	
P1.2	Error message is shown: "You have entered invalid data. Please try again." and "Please enter a valid email address."	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	
P1.3	Error message is shown: "You have entered invalid data. Please try again." and "Text verification failed."	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	
P1.4	Success message on the screen. An e-mail is sent to the user to notify the registration and communicate the password.	O	C P R	Success message Confirmation email has arrived	O	D F	Success message Confirmation email has arrived, but went to spams	O	AV	
P1.5	An e-mail is sent to the administrator to notify the new account and new organisation creation.	O	C P R	Two emails have arrived: one asking to activate the user and another one asking to configure the new organization	O	D F	Two emails have arrived: one asking to activate the user and another one asking to configure the new organization	O	AV	
P1.6	Error message is shown: "You have entered invalid data. Please try again." and "The [ email address   screen name ] you requested is already taken."	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P1.7	Success message on the screen An e-mail is sent to the user to notify the registration and communicate the password.	O	C P R	Success message Confirmation email has arrived	O	D F	Success message Confirmation email has arrived	O	AV	
P1.8	An e-mail is sent to the user to notify the activation of the account.	O	C P R	Activation notification email has arrived	O	D F	Activation notification email has arrived	O	AV	
P1.9									AV	
P1.10		-	C P R	Not available in this release	-	D F		-	AV	
P1.11			C P R	Not available in this release	W	D F	Emails were received. However, first emails comes from: HarmoNET Administrator [support@harmonet.org] second email comes from: support@harmonet.org message is therefore not so clear. First email contains link to signin, second email does not contain the link.	O	AV	
P										
P2.1	reminder sentence must be created				W	D F	I could enter the reminder, but was not prompted to change my password at the same time as the reminder phrase	W	AV	ok as david says (but minor issue for me)
P2.1					X	D F	Error 404 on profile	O	AV	worked to me
P2.2	Error message is shown: "You have entered invalid data. Please try again." and "Authentication failed. Please try again."	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	
P2.3	The users gets logged in into the home page of the portal. The user's first and last name are displayed in the top right corner. In this first page a table is shown summarizing the availability of the services for the logged in user.	O	C P R	Got logged in into the personalized home page	O	D F	Got logged in into the personalized home page	O	AV	
P2.4	Status is 'Not Active' for all services, apart from Metasearch, for which no permissions nor mappings need to be set	O	C P R	Content of services board as expected	W	D F	Content of services board as expected. I would have like the capacity to use a link to get more infomration on the different features porposed in the table, like, what is data mapping configuration because dscription provided minimal infomration on the row, but nothing on the column. It could just be text for instance	W	AV	definetly here explanation is needed

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.2.5	Email is sent with new password	O	C P R	Email with new password received	W	D F	Email with link to enter a new password received. I like this feature, but it is not what is described in the expected behaviour	O	AV	for me is ok
P.2.6					O	D F		O	AV	
P.2.7		-	C P R	Not available in this release	-	D F	Not available in this release	-	AV	
P.3									AV	
P.3.0	I get results only in case some providers have all as allowed organisation.				W	D F	I get results though no query mapping has been setup. Logivccal as some accept all. We should have a test with nothing returned possibly	O	AV	for me is fine, i get results even if i do not define mapping
P.3.1	Error message is shown: "User query not valid against HarmoSearch query language XSD".	O	C P R	Error message as expected	W	D F	Error message as expected. But we could probably improve the error sentence	O	AV	maybe you could show also the error the validator produce
P.3.2	Error message is shown: "Impossible to connect to the data registry. Please contact the administrator".	O	C P R	Error message as expected	-	D F		-	AV	
P.3.3									AV	
P.3.4	Error message: "Missing mapping for the query structure from Harmonise Ontology to euromuse".	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	
P.3.5									AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.3.6									AV	
P.3.7	Example error message: "Failed on euromusemf: Impossible to connect to provider".	O	CPR	Error message as expected	O	DF	Error message as expected	O	AV	
P.3.8									AV	
P.3.9									AV	
P.3.10	Error message: "Missing data mapping from euromuse to Harmonise Ontology".	O	CPR	Error message as expected	O	DF	Error message as expected	O	AV	
P.3.11										
P.3.12										
P.3.13	Error message: "There is no provider to query that matches your search criteria.".	O	CPR	Error message as expected	O	DF	Error message as expected	W	AV	ok but tried on a different provider (euromuse was working)
P.3.14										
P.3.15		O	CPR	1 data providers contacted: euromuse 43 results	W	DF	I get results (as expected. I think the expected info is wrong CP: you are right, I corrected the expected output	W	AV	ok but tried on a different provider (euromuse was working) CP: you are right, I corrected the expected output

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
SQ1	The metasearch process is asynchronous and the results can be visualised as soon as they become available. In the result list it is possible to understand if the data comes from an external data source or from the local index.	O	C P R	1 data provider contacted: euromuse 100 results Note: for testing purpose we limited to 100 the maximum number of results which are retrieved from euromuse	O	D F	1 data provider contacted: euromuse 100 results Note: for testing purpose we limited to 100 the maximum number of results which are retrieved from euromuse	O	AV	ok
SQ2	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 364 results	O	D F	4 data providers contacted: 364 results	O	AV	ok. Just as a comment, is important search by language
SQ2.1	Same as SQ1	-	C P R	Not available in this release	-		Not available in this release	-	AV	
SQ3	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 112 results	O	D F	4 data providers contacted: 212 results	O	AV	ok
SQ3.1	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 113 results	O	D F	4 data providers contacted: 213 results	O	AV	ok
SQ3.2	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 363 results	O	D F	4 data providers contacted: 362 results + 1 error: Failed on CPR: Impossible to connect to provider	O	AV	ok
SQ3.3	Same as SQ1	-	C P R	Not available in this release	-	D F	Not available in this release	-		
SQ4	Same as SQ1	O	C P R	2 data providers contacted: euromuse, euromusemf 192 results	O	D F	2 data providers contacted: 92 results. This one was quick	O	AV	ok tried also with IT rome and succeed
SQ4.1	Same as SQ1	O	C P R	2 data providers contacted: euromuse, euromusemf 230 results	O	D F	2 data providers contacted: 230 results	O	AV	ok

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
SQ4.2	Same as SQ1	-	C P R	Not available in this release	-	D F	Not available in this release	-		
SQ4.3	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 118 results	O	D F	3 data providers contacted: 117 results	O	AV	ok
SQ4.4	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 197 results	O	D F	3 data providers contacted: 194 results + 1 Error: Failed on biella: Error in translating the query for the provider	O	AV	ok, tried also to change Berlin in BAAAA (so to search only for biella), i got biella but also some wrong from euromuse. Probably an error in euromuse
SQ4.5	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 82 results	O	D F	3 data providers contacted: 84 results. Twice. Tried again with 82 results + 1 error: Failed on euromusemf: Error in translating the query for the provide	O	AV	working, also dates looks ok
SQ4.6	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 76 results	O	D F	3 data providers contacted: 78 results	O	AV	OK
SQ4.7	Same as SQ1	-	C P R	Not available in this release	-		Not available in this release	-		
SQ5	Same as SQ1	O	C P R	1 data providers contacted: biella 1 result	O	D F	1 data providers contacted: biella. 1 result	O	AV	ok, 1 results. The category is not shown, mapping problem?
SQ5.1	Same as SQ1	O	C P R	2 data providers contacted: euromuse, euromusemf 149 results	O	D F	2 data providers contacted: 149 results	O	AV	
SQ5.2	Same as SQ1	O	C P R	2 data providers contacted: euromuse, euromusemf 50 results	O	D F	2 data providers contacted: 50 results	O	AV	
SQ5.3	Same as SQ1	O	C P R	2 data providers contacted: euromuse, euromusemf, biella 3 results	O	D F	2 data providers contacted: 3 results	O	AV	
SQ5.4	Same as SQ1	O	C P R	3 data providers contacted: euromuse, euromusemf, biella 25 results	O	D F	3 data providers contacted: 25 results	O	AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
SQ5.5	Same as SQ1	O	C	3 data providers contacted: euromuse, euromusemf, biella	O	D	3 data providers contacted: 3 results	O	AV	
SQ6	Same as SQ1	-	C	Not available in this release	-	D	Not available in this release	-		
SQ6.1	Same as SQ1	-	C	Not available in this release	-	D	Not available in this release	-		
P3.16					W	D	I would introduce a toggle between simple and complex search,	W	AV	
P3.17					W	D	provider names instead of codes, Begin instead of from and End insted of to, align cells and have hints. We should align better cells	W	AV	
P3.18					W	D	Some text would possibly help + a link to the query language documentation and examples (like access to our query examples + description of what they do.	W	AV	
P3.19					W	D	Could be interesting to have a small overview of results like which provider responded, how many results by provider (possibly for direct access or filtering...)	W	AV	
P3.20		-	C	Not available in this release	-	D	Not available in this release	-		
P										
P.4.1										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.4.2	Either an error message is shown: "No participants available to receive data" if no providers have given permission to push, otherwise 'euromuse' just isn't listed in the drop-down menu of the providers	○	C P R	Error message as expected + drop-down menu without euromuse	○	D F	No error message but Euromuse not listed	○	AV	
P.4.3										
P.4.4	Either an error message is shown: "No participants available to receive data" if no providers have given permission to push, otherwise 'euromuse' just isn't listed in the drop-down menu of the providers	○	C P R	Error message as expected + drop-down menu without euromuse	○	D F	No error message but Euromuse not listed	○	AV	
P.4.5										
P.4.6	Error message is shown: "Please select a data file' or 'Please select at least one receiver'	○	C P R	Error message as expected	○	D F	Error message as expected	○	AV	
P.4.7	Message is shown: "Operation stated. You will receive an email notification. To view the status and results go here.' After some minutes you will receive an email summarizing the outcome of the operation.	○	C P R	Confirmation message as expected + email notification received	W	D F	Error message displayed (as expected). Missing data mapping from Afidium to Harmonise Ontology But I do not understand why I should receive a mail	○	AV	
P.4.8										
P.4.9	Error message is shown: "Error in data mapping from Harmonise Ontology to HarmoNET: org.xml.sax.SAXParseException: Content is not allowed in prolog. Line: xxx Column: yyy".	○	C P R	Error message as expected	W	D F	Error message as expected. However, message difficult to interpret as erroneous format...	○	AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.4.10	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." After some minutes you will receive an email saying 'Failed on euromusemf: Missing data mapping from Harmonise Ontology to euromusemf.'	O	C P R	Message on the screen as expected Email received with content as expected	X	D F	Apparently, it worked: Dear HarmoSearch User The push operation you have started has been completed. Operation completed successfully on: CPR. Kind regards, Harmosearch. I suppose that the setup was ok for CPR. It seems logical since it corresponds to the next test	O	AV	
P.4.11									AV	
P.4.12	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." After some minutes you will receive an email saying ' Operation completed successfully on: euromuse, CPR'.	O	C P R	Message on the screen as expected Email received with content as expected	O	D F	Message on the screen as expected Email received with content as expected. Beware of time information. Server seems to have wrong time though	O	AV	
P.4.13										
P.4.14	In 'Operation Status' the push operation is reported as completed successfully	O	C P R	Operation status' page has content as expected <i>Availability of data file on HTTP service endpoint could not be checked</i>			Operation status' page has content as expected <i>Availability of data file on HTTP service endpoint could not be checked</i>			
P.4.15										
P.4.16					W	D F	I would explain some explanation and possibly a list with names and not just codes. I would also expect that we can get some additional information on the providers (for instance via a page that the providers could complete in the system or a link to a web site	W	AV	
P.4.17		-	C P R	Not available in this release	-	D F	Not available in this release	-	AV	
P										
P.5.1										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.5.2	Either an error message is shown: "No participants available to be queried" if no providers have given permission to query, otherwise euromuse does not appear in the list of data providers that can be queried.	O	C P R		O	D F	No error message but Euromuse not listed	O	AV	
P.5.3										
P.5.4	Either an error message is shown: "No participants available to be queried" if no providers have given permission to query, otherwise euromuse does not appear in the list of data providers that can be queried.	O	C P R		O	D F	No error message but Euromuse not listed	O	AV	
P.5.5										
					O	D F	Import started OK but got an error in operation status	O	AV	
P.5.6	Error message is shown: "User query not valid against HarmoSearch query language XSD".	O	C P R	Error message as expected	O	D F	Error message as expected	O	AV	
P.5.7	Error message is shown: "Impossible to connect to the data registry. Please contact the administrator".	O	C P R	Error message as expected			Error message as expected		AV	
P.5.8									AV	
P.5.9	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here.' After some minutes you will receive an email saying 'Failed on euromuse: Missing mapping for the query structure from Harmonise Ontology to euromuse"	O	C P R	Screen message as expected Email received with content as expected	O	D F	Screen message as expected Email received with content as expected	O	AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.5.10										
P.5.11										
P.5.12	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." In 'Operation Status' tab the entry of the previous import reports: "Error on euromuse: Missing data mapping from euromuse to Harmonise Ontology"	O	C P R	Screen message as expected 'Operation status' page has content as expected			Screen message as expected 'Operation status' page has content as expected	O	AV	
P.5.13										
P.5.14	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." In 'Operation Status' tab the entry of the previous import reports, for instance: "Failed on euromuse: Missing data mapping from Harmonise Ontology to CPR".	O	C P R	Screen message as expected 'Operation status' page has content as expected			Screen message as expected 'Operation status' page has content as expected	O	AV	
P.5.15										
P.5.16	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." In 'Operation Status' tab the entry of the previous import reports, for instance: "Failed on euromusemf: Impossible to connect to provider"	O	C P R	Screen message as expected 'Operation status' page has content as expected			Screen message as expected 'Operation status' page has content as expected	O	AV	
P.5.17										
P.5.18	Error message: "There is no provider to query that matches your search criteria."	O	C P R	Error message as expected			Error message as expected	O	AV	
P.5.19									AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.5.20	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." In 'Operation Status' tab the entry of the previous import reports: ' Operation completed successfully on: euromuse". In 'Data Repository'-'>'Querybox' the result file is available (check the timestamp), and it contains some results (check with the example file 'import_results_Advanced_Search.xml' in the test folder)	○	C P R	Screen message as expected 'Operation status' page has content as expected Result file is correct			Screen message as expected 'Operation status' page has content as expected Result file is correct	○	AV	
P.5.21										
P.5.22	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." In 'Operation Status' tab the entry of the previous import reports: ' Operation completed successfully on: euromuse". In 'Data Repository'-'>'Querybox' the result files are available (check the timestamp), and they contain some results (check with the example files 'import_results_Simple_Search_[data-provider].xml' in the test folder)	○	C P R	Screen message as expected 'Operation status' page has content as expected Result files are correct			Screen message as expected 'Operation status' page has content as expected Result file is correct	○	AV	
P.5.23										
P.5.24	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here." In 'Operation Status' tab the entry of the previous import reports: ' Operation completed successfully on: biella".	○	C P R	Screen message as expected 'Operation status' page has content as expected <i>Availability of data file on HTTP service endpoint could not be checked</i>			Screen message as expected 'Operation status' page has content as expected <i>Availability of data file on HTTP service endpoint could not be checked</i>	○	AV	
P.5.25										
P.5.2										
P.5.27		-	C P R	Not available in this release			Not available in this release			
P										
P.6.1										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.6.2	After the time set in the scheduled options, the result file is available in 'Querybox' and contains some results. In 'Operation Status' the import operation is reported to be completed successfully on euromuse. After some minutes you receive also a notification email.	○	C P R	Operation status' page has content as expected Result file is present in 'Querybox' and contains results Email has arrived			Operation status' page has content as expected Result file is present in 'Querybox' and contains results Email has arrived	○	AV	
P.6.3	Operation Status' reports the unavailability of the registry	○	C P R	Operation status' page has content as expected Email has arrived with message as expected			Operation status' page has content as expected Email has arrived with message as expected	○	AV	
P.6.4	In 'Operation Status' the push operation is reported to be failed, with error message: 'Missing query service configuration for <your-organization>' After some minutes you receive also a notification email.	○	C P R	Operation status' page has content as expected Email has arrived			Operation status' page has content as expected Email has arrived	○	AV	
P.6.5										
P.6.6										
P.6.7										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.6.8	In 'Operation Status' the push operation is reported to be completed successfully on CPR. After some minutes you receive also a notification email.	O	C	Operation Status reports as expected Email received			Operation Status reports as expected Email received			
P.6.9										
P.6.1										
P.6.11		-	C	Not available in this release			Not available in this release			
P										
P.7.1										
P.7.2	A row describes the just performed push, listing your organization as sender, the receiver, the timestamp, the status (FAILED, COMPLETED or ONGOING), the detail of the success or errors, and a link to the sentbox.	O	C	Content of 'Operation Status' as expected	O	D	Content of 'Operation Status' as expected	O	AV	
P.7.3										
P.7.4	A row describes the just performed import, listing your organization as sender, the receiver, the timestamp, the status (FAILED, COMPLETED or ONGOING), the detail of the success or errors, and a link to the querybox.	O	C	Content of 'Operation Status' as expected			Content of 'Operation Status' as expected	O	AV	
P.7.5					W	D	I could expect capacity to select certain lines then delete them.. I would expect Deete all on the right	W	AV	
P.7.6		-	C	Not available in this release	-	D	Not available in this release	-	AV	
P										
P.8.1										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.8.2	The file sent from the user with a push operation is present (see also the timestamp) and can be downloaded or deleted	O	C P R	File present as expected			File present as expected	O	AV	
P.8.										
P.8.4		-	C P R	Not available in this release			Not available in this release			
P										
P.9.1										
P.9.2	The file sent from the user with a push operation is present (see also the timestamp) and can be downloaded or deleted	O	C P R	File present as expected	O	D F	File present as expected	O	AV	
P.9.3					W	D F	Outbox is differnt from rest with a navigation panel: all must be coherent. Layout is also different from status (delete all is written in a different way. Same remarks as for operation status	W	AV	
P.9.4		-	C P R	Not available in this release	-	D F	Not available in this release	-	AV	
P										
P.10.										
P.10.2	The file sent from the user with a push operation is present (see also the timestamp) and can be downloaded or deleted	O	C P R	File present as expected	O	D F	File present as expected	O	AV	
P.10.					O	D F	Same remark as previous one	O	AV	
P.10.4		-	C P R	Not available in this release	-	D F	Not available in this release	-	AV	
P										
P.11.										
P.11.2	The file received from the user with an import operation is present (see also the timestamp) and can be downloaded or deleted	O	C P R	File present as expected			File present as expected	O	AV	
P.11										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.11.4		-	C P R	Not available in this release			Not available in this release			
P12										
P.12.1	Policy is removed from the box at the end of the page.	O	C P R		O	D F		O	AV	
P.12.2	Policy is listed in the box at the end of the page.	O	C P R		O	D F		O	AV	
P.12.3	Policy is listed in the box at the end of the page.	O	C P R		W	D F	Message: Access policy successfully modified does not appear in the same position as when created for instance	O	AV	
P.12.4	Policy is removed from the box at the end of the page.	O	C P R		O	D F		O	AV	
P.12.5	Policy is listed in the box at the end of the page.	O	C P R		O	D F	Same as before about message position	O	AV	
P.12.6	Policy is listed in the box at the end of the page.	O	C P R		O	D F		O	AV	
P.12										
P.12.8		-	C P R	Not available in this release	-	D F	Not available in this release	-	AV	
P13										
P.13.1	File is listed in the box at the end of the page.	O	C P R		O	D F		O	AV	
P.13.2	File is removed from the box at the end of the page.	O	C P R		O	D F		O	AV	
P.13.3	File is listed in the box at the end of the page.	O	C P R		O	D F		O	AV	

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.13.4	File is removed from the box at the end of the page.	O	C P R		O	D F		O	AV	
P.13.5	File is removed from the box at the end of the page.	O	C P R		O	D F		O	AV	
P.13.6	File is listed in the box at the end of the page.	O	C P R		O	D F		O	AV	
P.13.7	Files are listed in the box at the end of the page.	O	C P R					O	AV	
P.13.8	Files are removed from the box at the end of the page.	O	C P R					O	AV	
P.13.9	File is removed from the box at the end of the page.	O	C P R		O	D F	File is removed	O	AV	
P.13.10	File is listed in the box at the end of the page.	O	C P R		O	D F	File is added to list	O	AV	
P.13.11	File can be downloaded on the local file system	O	C P R							
P.13.12	File is listed in the box at the end of the page.	O	C P R							
P.13.13	File is removed from the box at the end of the page.	O	C P R							
P.13										
P.13.15		-	C P R	Not available in this release	-	D F	Not available in this release	-		
P										
P.14.1	Data provider configuration saved	O	C P R							
P.14.2	Data provider removed	O	C P R							

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.14.3	Data provider configuration saved	O	C P R		O	D F		O		
P.14.4	Data provider configuration saved	O	C P R		O	D F		O		
P.14.5	Data provider configuration saved	O	C P R		O	D F		O		
P.14.6	Data provider configuration saved	O	C P R		O	D F		O		
P.14										
P.14.8		-	C P R	Not available in this release			Not available in this release			
P15										
P.15.1	Configuration saved.	O	C P R					O		
P.15.2	Configuration saved.	O	C P R					O		

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.15.3	Configuration saved.	○	C P R					○		
P.15.4	Configuration saved.	○	C P R					○		
P.15										
P.15.6		-	C P R	Not available in this release	-	D F	Not available in this release	-		
P1										
P.16.1	Error message is shown: 'Please select an instance file'.	○	C P R	Error message as expected	○		Error message as expected	○		
P.16.2	Error message is shown: 'Reconciliation problems: Missing data mapping from <your-organization> to Harmonise Ontology'.	○	C P R	Error message as expected	○		Error message as expected	○		
P.16.3	Error message is shown: 'Reconciliation problems: Missing data mapping from Harmonise Ontology to <your-organization> '.	○	C P R	Error message as expected	○		Error message as expected	○		
P.16.4										
P.16.5	Error message is shown: 'Reconciliation problems: Error in data mapping from CPR to Harmonise Ontology: org.xml.sax.SAXParseException: Invalid byte 2 of 4-byte UTF-8 sequence. Line: 33 Column: 150'.	○	C P R	Error message as expected	○		Error message as expected	○		
P.16.6										
P.16.7	Error message is shown: 'Reconciliation problems: Error in data mapping from CPR to Harmonise Ontology: org.xml.sax.SAXParseException: Invalid byte 2 of 4-byte UTF-8 sequence. Line: 33 Column: 150'.	○	C P R	Error message as expected			Error message as expected	○		
P.16										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.16.9	Screen message: 'File successfully transformed' File is available in the list nearby, and contains some results (same as in 'forward_data_mapping_results.xml' in the test folder).	O	C P R	Screen message as expected File as expected			Screen message as expected File as expected	O		
P.16.1										
P.16.11	Screen message: 'File successfully transformed' File is available in the list nearby, and contains some results (same as in 'backward_data_mapping_results.xml' in the test folder).	O	C P R	Screen message as expected File as expected			Screen message as expected File as expected	O		
P.16										
P.16.13		-	C P R	Not available in this release	-	D F	Not available in this release	-		
P.17										
P.17.1	Error message: "HarmoSearch query not valid"	O	C P R	Error message as expected			Error message as expected	O		
P.17.2	Error message: "Query translation problems: Missing mapping for the query structure from Harmonise Ontology to okv"	O	C P R	Error message as expected			Error message as expected	O		
P.17.										
P.17.4	Screen message: "Query transformed successfully"	O	C P R	Error message as expected			Error message as expected	O		
P.17										
P.17.6		-	C P R	Not available in this release	-	D F	Not available in this release	-		
P										
P.18.1	Exception is thrown ( MissingParameterException or ValidationException)	O	C P R	Error messages received			Error messages received			
P.18.2										

Expected Output		7/3/12	Who	Actual Result	12/3/12	Who	Actual Result	12/3/12	Who	Actual Result
P.18.3	The method returns a successful completion message: 'Operation completed successfully on: euromuse".. In 'Operation Status' tab the entry of the previous import reports also successful completion and links to the 'Querybox', where the result file is available (check the timestamp), and it contains some results.	O	C P R	Email received Operation logged and accessible through the Operation Status Panel			Email received  Operation logged and accessible through the Operation Status Panel			
P.18.4	Exception is thrown ( MissingParameterException or ValidationException)	O	C P R	Error messages received			Error messages received			
P.18.5										
P.18.6	The method returns a successful completion message: 'Operation completed successfully on: euromuse".. In 'Operation Status' tab the entry of the previous import reports also successful completion and links to the 'Querybox', where the result file is available (check the timestamp), and it contains some results (check with the example file 'import_results_Advanced_Search.xml' in the test folder).	O	C P R	Email received Operation logged and accessible through the Operation Status Panel	X	D F	Dit not work because I put an XML string and not a file. Claudio has been advised			
P.18.7	Exception is thrown ( MissingParameterException or ReconciliationException)	O	C P R	Error messages received			Error messages received			
P.18.8										
P.18.9	The method returns a successful completion message: 'Operation completed successfully on: euromuse, CPR".. In 'Operation Status' tab the entry of the previous push reports also successful completion and links to the 'Sentbox', where the data file you sent is available (check the timestamp).. Logged in as euromuse (or CPR), in 'Data Repository'-'>'Inbox' the file that has been sent is available	O	C P R	Email received Operation logged and accessible through the Operation Status Panel			Email received Operation logged and accessible through the Operation Status Panel			
P.18.10		O	C P R							

P0	Id	14/3/12	Who	Actual Result	15/3/12	Who	Actual Result	16/3/12	Who	Actual Result
P0.1	O	T	M	It took a while to find the "Sign In" link (which is not a big deal at the moment), a direct login which directly "jumps" to the users attention would be nice.I agree with David, that it would be nice to see what you get in case of a registration. However, from a "functional" point of view I would consider this issue as minor and agree with Adriano to tackle it in the next release.	O	IM	http://harmosearchdev.harmonet.org/home(revise url)?	O	P	Important: "You have to sign in!" Otherwise there is nothing to do.
P0.2	O	T	M	Since I had to register I was not able to see the content due to a missing activation.	O			O	P	some hints would be useful: what can you do here, what is harmosearch.
P0.3	-	T	M					-		
P					O	IM				
P1.1	O	T	M	Worked as expected. The error messages have been displayed correctly.	W	IM	exct phrase: You have entered invalid data. Please try again. <u>Please enter a valid screen name.</u>	O	P	You have entered invalid data. Please try again. Please enter a valid screen name. <u>"Create new account" could be more prominent.</u>
P1.2	O	T	M	Worked as expected. Error message (I did not enter any mail adress) came up correctly.	W	IM	phrasing correct field highlighted "Name", it should be the email address, if the email address is missing :P	O	P	You have entered invalid data. Please try again. Please enter a valid email address.
P1.3	O	T	M	Worked as expected. Error message came up correctly.	W	IM	correct phrasing again field highlighted: "name" instead of captcha	O	P	You have entered invalid data. Please try again. Text verification failed.
P1.4	O	T	M	Worked as expceted. Mail arrived quickly after the registration (sender: HarmoNET Administrator <support@harmonet.org>) organization: TU Vienna Minor comment: it would be nice to provide my own password	O	IM	as expected activation after notifying Claudio	O	P	tested last week - after claudio sent us the credentials, we could login.
P1.5	W	T	M	Received only one email informing me that my account has been activated (sender: support@harmonet.org)				W	P	tried to create a new account with an already existiitng account: werder@museumsmedien after login we get: an-unexpected-system-error-occurred com.liferay.portal.LayoutFriendlyURLException
P1.6	O	T	M	Worked as expected. The error messages have been displayed correctly.	O	IM				

Id	14/3/12	Who	Actual Result		15/3/12	Who	Actual Result		16/3/12	Who	Actual Result	
P1.7	O	T M	Worked as expcted. Notification mail arrived immediately.		O	IM	password received instantly					
P1.8	W	T M	Activation mail finally arrived with a 2 hours delay.		O	IM	activation after notifying claudio					
P1.9												
P1.10	-	T M							-			
P1.11	O	T M	Minor: I agree with David that both links should contain a link to the portal. However, it may be more convenient to directly lead the user to the login-page (sign in area). Furthermore a link to more information (e.g. FAQ, First steps, etc.) may be nice to have for a new user. However, these are really minor issues.						O	P W		
P												
P2.1	O	T M	worked as expected						O	P W		
P2.1	X	T M	got an 404 error						X	P W	http: 404 http://www.internic.at/bin/notfound?ERR=404  <u>But Control Panel works fine!!!</u>	
P2.2	O	T M	Error messages came up as expected		O	IM	as expected		O	P W	You have entered invalid data. Please try again. Authentication failed. Please try again.	
P2.3	O	T M	Log-in lead me to the home screen (http://harmosearchdev.harmonet.org/home) displaying the organizational services panel		O	IM	as expected		O	P W		
P2.4	W	T M	I agree with David and Adriano		O	IM	uploaded original file "museoliitto2hto-mapping.xslt" in the Mapping store: Upload mapping for "Museolitto" Upload mapping from local system to Harmonise ontology (for sending data) success: Mapping Files :16508_so.xslt Participant: museolitto type: mapping from local system to HTO		O	P W		

Id	14/3/12			Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P2.5	O	T	M	I agree with David (does not match the described expected behavior), however, the functionality is given and works as expected. Remark: I was able to perform this action several times (3 times in a row - pause between each try approx. 2 minutes). The link should have an expire time (or at least should be invalid in case the user has changed his password successfully). However, this is just a minor issue.and did not affect the overall functionality - in contrary, it proofed it works well.)	O	im	The system asks first for email address, then to answer the question why do I have to forget my password in order to enter my own? Suggestion: If the first password routine was to receive a random password, the second should also be so (the email should contain the new password).	W	P	W	in the control panel, i could not test this, the way it is described ?						
P2.6	O	T	M					-	P	W	not clear to me, what to test						
P2.7	-	T	M					-	P	W							
P 3																	
P.3.0	O	T	M	I executed two different queries: (i) with no changes respectively the default values for the query (just a click on "search") and (ii) a "self-defined" query (country: austria, category: activity; data provider: euromuse). The results for the former was a list of available events, the latter returned the expected message as described in expected output.				O	P	W							
P.3.1	O	T	M	Error message came up as expected. I agree with David that the error message could be more "user friendly". Furthermore, I suggest to differentiate error messages additonally - for example by color (e.g. red). However, this is a minor issue and does not affect the outcome of this test case.	O	IM	expected response	O	P	W	User query not valid against HarmoSearch query language XSD						
P.3.2	-	T	M				?	-									
P.3.3																	
P.3.4	O	T	M	Error message came up as expected	O	IM	Layouted out of the provided surface: Failed on euromuse: Missing mapping for the query structure from Harmonise Ontology to euromuse	O	P	W	Failed on euromuse: Missing data mapping from euromuse to Harmonise Ontology						
P.3.5																	

Id	14/3/12			Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P.3.6																	
P.3.7	O	T	M					O	IM				O	P	W	Failed on euromuse: Missing data mapping from euromuse to Harmonise Ontology	
P.3.8																	
P.3.9																	
P.3.10	O	T	M					O	IM				O	P	W	Failed on euromuse: Impossible to connect to provider	
P.3.11																	
P.3.12																	
P.3.13	O	T	M					O	IM				O	P	W		
P.3.14																	
P.3.15	O	T	M					O	IM	99 results from euromuse (external service) 246 results from euromusemf (local index)			O	P	W	Results found: 43	

14/3/12		Who		Actual Result		15/3/12		Who		Actual Result		16/3/12		Who		Actual Result	
Id																	
SQ1	O	T	M	Found 99 results data provider euromuse.			O	IM	SQ1 - 99 results 1 provider euromuse (external service) SQ2 - 362 results 3 providers contacted (euromuse, euromusemf, biella) unsorted SQ3 - 112 results 2 providers (euromuse + euromusemf) unsorted SQ4 - 192 results from 2 providers (euromuse + euromusemf) unsorted SQ5 - 1 result from Biella SQ6 - User query not valid against HarmoSearch query			O	P	W	Results found: 99		
SQ2	O	T	M	3 data providers contacted; results were available as soon as the first provider delivered data; Found results: 364			W	IM	Results found: 345 from 3 data providers			O	P	W	Is SQL2.xml the right file? Was not clear to me ... Waiting for results. Completed 2 of 3 contacted providers. Failed : (see Errors) Load available results Results found: 363		
SQ2.1	-	T	M				W	IM	alternative 1 (english results) ? Failed 1: (see Errors)  Failed on euromuse: Error in translating the query for the provider  retrieved 250 non in english language (only local lang)			-					
SQ3	O	T	M	3 data proviers contacted (used SQ3 query); 112 results received			O	IM	Date range topic already discussed in RELEASE 2, I think past exhibitions (in the praxis) should be automatically discarded, and not shown (i thought it was a good solution, to set 'today' as default starting date)			O	P	W			
SQ3.1	O	T	M	3 data providers contacted (used SQ3 alternative 1 query); 112 results received			O	IM				O	P	W			
SQ3.2	W	T	M	3 providers contacted (used SQ3 alternative 2 query); 102 results; received error message "Failed on euromusemf: Error in translating the query for the provider"			O	IM				O	P	W			
SQ3.3	-	T	M														
SQ4	O	T	M	contacted proviers: 2; received results: 192			O	im	used SQ5 alternative 3 (Provider: all / Location: Berlin / Dates: April 1-30 / category: modern art) Results 3 from euromuse (external service)			O	P	W	also listing archived (old) exhibitions (EUROMUSE should not deliver them!!!)		
SQ4.1	O	T	M	contacted proviers: 2; received results: 230								O	P	W	o.k. for Harmosearch - but same as above.		

Id	14/3/12	Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
SQ4.2	-	T M									X	P W	changed SQL4.xml using "Frankfurt" and got wrong results		
SQ4.3	O	T M	contacted providers: 3; received results: 117			O	IM	Used SQ4 alternative 3 117 results contacting 3 data providers			O	P W			
SQ4.4	O	T M	contacted providers: 3; received results: 197			O	IM	Used SQ4 alt.4 197 results from euromuse, euromusemf, biella			x	P W	used SQL-Alternative4.xml, from EUROMUSE there are exhibitions listed, sure not from Berlin!!!		
SQ4.5	O	T M	contacted providers: 3; received results: 85			O	IM				O	P W			
SQ4.6	O	T M	contacted providers: 3; received results: 79			O	IM				O	P W	Results found: 84		
SQ4.7	-	T M									-				
SQ5	O	T M	contacted providers: 1; received results: 1			O	IM	1 data provider contacted, 0 results			O	P W			
SQ5.1	O	T M	contacted providers: 2; received results: 149			O	IM	2 providers 99 results			O	P W	Results found: 149		
SQ5.2	O	T M	contacted providers: 2; received results: 50								O	P W	Results found: 50		
SQ5.3	W	T M	contacted providers: 3; received results: 3; received error message: 'Failed on euromusemf: Error in translating the query for the provider'								O	P W	Results found: <b>3</b>		
SQ5.4	O	T M	contacted providers: 3; received results: 25								O	P W	Results found: 31		

Id	14/3/12	Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
SQ5.5	O	T	contacted providers: 3; received results: 3								O	P	Results found: 5		
SQ6	-	T									-				
SQ6.1	-	T									-				
P3.16	W	T	From a users perspective I would separate simple search and advanced search. Remark: Entered queries are not deleted and still present when clicking on the main menu link "Metasearch" - as a user I would expect that I am forwarded to a "blank" search page. I noticed that the search query is processes, too. Of course a minor issue, but should be noted. (after a relog - sign out sign in - the interface is reseted and works as expected)								W	P	technically well done. For users the simple search could be more easier and it could be beautified ;-)		
P3.17	O	T	Several design remarks (similar to the ones David already proposed), however, at the current stage this is (I think) minor.								W	P	see above		
P3.18	W	T	Users who do not have a technical background (and are familiar with the query language syntax of course) will not be able to use the advanced search. Additional help and documentation will improve the usability. Again this is from my point of view not crucial yet								W	P	some hints could be given for the advanced search. Help page with examples, e.g. in the wiki		
P3.19	O	T	The provided information is straight forward and provides the most important information. Of course the design could be better, but again this is something for the final release. From a content perspective I do not have any obligations. From a users perspective an overview similar to the one David described may be helpful								W	P	o.k., but it would be nicer to have all results shown on one page and to sort it some kind		
P3.20	-	T									-				
P															
P.4.1															

Id	14/3/12		Actual Result	Who	15/3/12		Actual Result	Who	16/3/12		Actual Result	Who
P.4.2					O	IM	no error message, receivers: CPR euromusemf biella		O	P W		
P.4.3												
P.4.4	O	T M	worked as expected - euromuse is not listed; no error message Listed receivers: CPR, euromusemf, biella		O	IM	no error message, receivers: CPR euromusemf biella		O	P W	only eurmusemf... is showing, no euromuse	
P.4.5												
P.4.6	O	T M	Worked as expected, I received the error message "Please select a data file" and "Please select at least one receiver" after choosing a data file (in my case a random xslt file)		O	IM	Please select a data file (when neither choosing nor uploadin) Please select at least one receiver (uploading dummy txt)		O	P W	Please select a data file	
P.4.7	X	T M	Error message "Missing data mapping from TU Vienna to Harmonise Ontology" Mail has not been sent or at least received Sending an information mail makes sense to me, since I want to push the data and should be informed in case of an error.		X	im	in config > mapping store > no mapping files available but push euromuse_to_push.xml to CPR result: Missing data mapping from museolitto to Harmonise Ontology		X	P W	Missing data mapping from museumsmedien to Harmonise Ontology	
P.4.8												
P.4.9	W	T M	Error message shown. I agree with David regarding the erroneous format.		O	IM	Error in data mapping from Harmonise Ontology to HarmoNET: org.xml.sax.SAXParseException: Content is not allowed in prolog. Line: 6 Column: 16		O	P W	Error in data mapping from Harmonise Ontology to HarmoNET: org.xml.sax.SAXParseException: Content is not allowed in prolog. Line: 6 Column: 16	

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Id	14/3/12	Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P.5.2	O	T M	No error message; euromuse isn't listed (available: all, euromusemf, biella)			O	IM	rather the second, euromuse does not appear in the list of DP			O	P W			
P.5.3															
P.5.4	O	T M	No error message; euromuse is not listed (available: all, euromusemf, biella)			O	IM	rather the second, euromuse does not appear in the list of DP			O	P W			
P.5.5															
	O	T M	Received message & email. Failed on euromusemf, biella & euromuse: Missing data mapping from Harmonise Ontology to TU Vienna. Remark: as a user I would expect to know the result, the message should provide the information accordingly - e.g. operation stated and failed/was successful ...				IM	Failed on euromuse: Missing data mapping from Harmonise Ontology to museolitto.			O	P W			
P.5.6	O	T M	Received error message: User query not valid against HarmoSearch query language XSD Remark: For the final release the error message could be more expressive (most users are not familiar with XSD schemata, etc.) or should have some information what or where the error is (of course this is currently out of scope)			O	IM				O	P W			
P.5.7	X	T M	was not able to test								-				
P.5.8	O	T M	Message shown, Mail received, Link ok												
P.5.9						O	IM				O	P W	Failed on euromuse: Missing mapping for the query structure from Harmonise Ontology to euromuse.		

Id	14/3/12	Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P.5.10															
P.5.11	O	T M	Message shown, Mail received, link ok												
P.5.12						O	IM				O	P W	Failed on euromuse: Missing data mapping from euromuse to Harmonise Ontology.		
P.5.13	O	T M	Message shown, Mail received, link tested - same message as mail: "Failed on euromuse: Missing data mapping from Harmonise Ontology to TU Vienna."												
P.5.14						O	IM	Failed on euromuse: Missing data mapping from Harmonise Ontology to <a href="#">museolitto</a> .			O	P W	Failed on euromuse: Missing data mapping from Harmonise Ontology to museumsmedien.		
P.5.15	O	T M	Message shown as expected  Mail received  Link tested - "Failed on euromuse: Impossible to connect to provider."				IM	JUMPED TO SCHEDULER (task 120)							
P.5.16															
P.5.17	O	T M	Error message shown as expected												
P.5.18											O	P W	There is no provider to query that matches your search criteria.		
P.5.19	O	T M	Met expected output results; message shown, results downloadable, file matches the test data file (compared on a control sample basis)												

Id	14/3/12	Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P.5.20											O	P W	Operation completed successfully on: euromuse.		
P.5.21	W	T M	worked as expected Remark: in addition to harmonise the status result message also states that the operation has been successfull on biella, too (not in line with the output description). In addition I also got a failure message saying that the operation failed on euromusemf												
P.5.22											-	P W	which file to use?		
P.5.23	O	T M	worked as expected; messsage shown; mail received												
P.5.24															
P.5.25	W	T M	Similar to the meta-search additional information (e.g. descriptions) and design issues are present. However, this is a minor issue and does not affect RC3.												
P.5.2	-	T M													
P.5.27															
P															
P.6.1			TOBECONTINUED												

Id	14/3/12		Actual Result			15/3/12		Actual Result			16/3/12		Actual Result		
	Who					Who					Who				
P.6.2						X	IM	This answers my comment before! Configured at 16:00 for 16:10 (server time)... at 16:10 operation succeeded all euromuse exhibitions (english) in querybox from 33 current (end date posterior 'today') art history exhibitions, the query outputed around 100 (current and past exhibitions). This should be hindered. performed a scheduled query with same category, but with date restriction (next 30 days), same number of exhibitions							
P.6.3						W		no register of last scheduled task in the operation status log							
P.6.4						W		no register of last scheduled task in the operation status log							
P.6.5															
P.6.6															
P.6.7															

Id	14/3/12			15/3/12			16/3/12		
	Who	Actual Result		Who	Actual Result		Who	Actual Result	
P.6.8									
P.6.9									
P.6.1									
P.6.11									
P									
P.7.1									
P.7.2									
P.7.3									
P.7.4									
P.7.5									
P.7.6									
P									
P.8.1									

Id	14/3/12		Actual Result			15/3/12	15/3/12		Actual Result			16/3/12	16/3/12		Actual Result		
	Who					Who	Who					Who	Who				
P.8.2						O	IM										
P.8.																	
P.8.4																	
P																	
P.9.1																	
P.9.2						O	IM										
P.9.3																	
P.9.4																	
P																	
P.10.																	
P.10.2						O	IM										
P.10.																	
P.10.4																	
P																	
P.11.																	
P.11.2						w	IM		from task 121 last scheduled query starting date: 2012-03-15 15:10:05.716 committed date: empty								
P.11																	

Id	14/3/12			Who	Actual Result			Id	15/3/12			Who	Actual Result			Id	16/3/12			Who	Actual Result		
P.11.4																							
P12	O	T	Successfully deleted; PUSH no longer listed in the table;																				
	M		Success message shown (above table)																				
P.12.1	O	T	PUSH is listed; Details (date) is accordingly shown in the table		O	IM											O	P					
		M																W					
P.12.2	O	T	Worked as expected - restrictions (date) were no longer listed		O	IM											O	P					
		M	in the access control policies table. Success message shown															W					
			above the table.																				
P.12.3	O	T	Success message displayed and policy vanished from the table		O	IM											O	P					
		M																W					
P.12.4	O	T	Success message shown; Policy including dates appears in the		O	IM											O	P					
		M	table															W					
			Remark: In general the UI may be improved in order to permit																				
			such situations - e.g. provide warning message in case of																				
			irrational data selection																				
P.12.5	O	T	Success message shown; Policy modified and restrictions		O	IM											O	P					
		M	disappeared															W					
			Remark: Potential improvement --> clear button removing all																				
			restrictions																				
P.12.6					O	IM											O	P					
																		W					
P.12																							
P.12.8																							
P13	O	T	Worked as expected; Message has been shown accordingly																				
	M		"Mapping file successfully uploaded"																				
P.13.1					O	IM											O	P					
																		W					
P.13.2	O	T	Worked as expected; message shown: "Mapping file														O	P					
		M	successfully uploaded"															W					
P.13.3					O	IM											O	P					
																		W					

Id	14/3/12			Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P.13.4	O	T	M		File is no longer listed and the success message came up upon the mapping file table.								O	P	W		
P.13.5	O	T	M		File appeared in the table and success message was displayed accordingly			O	IM				O	P	W		
P.13.6								O	IM				O	P	W		
P.13.7													O	P	W		
P.13.8	O	T	M		File removed and success message has been displayed above the table.								O	P	W		
P.13.9	O	T	M		File was added but renamed to 10835_query_os.xslt - should be added to the expected output cell			O	IM				O	P	W		
P.13.10								O	IM				O	P	W		
P.13.11													O	P	W		
P.13.12													O	P	W		
P.13.13													O	P	W		
P.13																	
P.13.15													-				
P																	
P.14.1																	
P.14.2	O	T	M					O	IM				O	P	W		

Id	14/3/12	Who	Actual Result			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
P.14.3	O	T M				O	IM				O	P W			
P.14.4	O	T M				O	IM				O	P W			
P.14.5	O	T M				O	IM				O	P W			
P.14.6						O	IM				O	P W			
P.14															
P.14.8															
P15	O	T M	Successs message displayed as expected; details are shown in the table;												
			Remark: username and password are shown in plain text												
P.15.1	O	T M	Worked as expected: "Service configuration successfully modified" message displayed above the table; type changed to "Web Portal GUI"; Service URL, username, password --> empty			O	IM				O	P W			
P.15.2	O	T M	Worked as expected: "Service configuration successfully modified" message displayed above the table; type changed to HTTP service			O	IM				O	P W			

P.15.3	Id	14/3/12			15/3/12	Who	Actual Result			16/3/12	Who	Actual Result		
		O	T	M						O	P			
							Worked as expected; changes have been persisted; success message displayed				W			
	P.15.4										P			
	P.15										W			
	P.15.6									-				
	P1													
	P.16.1													
	P.16.2													
	P.16.3													
	P.16.4													
	P.16.5													
	P.16.6													
	P.16.7													
	P.16													

Id	14/3/12			Who	Actual Result		
P.16.9							
P.16.1							
P.16.11							
P.16							
P.16.13							
P17							
P.17.1							
P.17.2							
P.17.							
P.17.4							
P.17							
P.17.6							
P							
P.18.1							
P.18.2							

[illegible]

Id	Parent	Comment		
		Action	Name	Description (and alternatives)
MT1		Import	Import	A user imports an existing mapping project solution pakced within a ZIP file.
MT1.1	MT1	Call import project wizard	Import project	The user calls the import project wizard that allows him to select an existing ZIP file from the local file system.
MT2		Mapping	Mapping	A user is able to perform simple or complex mappings using the HarmoSearch mapping editor.
MT2.1	MT2	Import schema to editor	Import schema to editor	In order to create a mapping it is necessary that the user is able to import a corresopnding schema to the mapping editor.
MT2.2	MT2	Apply filter	Apply filter	Filters are used to constrain the visibility of schema elements that are not relevant for an individual mapping case.
MT2.3	MT2	Create initial mapping	Create initial mapping	The user is able to conduct a graphical mapping by connecting source and target elements of the source respectifely target schema.
MT2.4	MT2.3	Refine mapping and apply pattern	Refine mapping and apply pattern	The user performs a mapping by applying a pattern.
MT3		Transformation	Transformation	Transforms a mapping to XSLT.
MT3.1	MT3	Create XSLT transformation file and gain visual feedback	Create XSLT transformation file and gain visual feedback	After solving a specific mapping scenario the user is able to transform the mapping to an adequate transformation format (e.g. XSLT).
MT4		User assistance	User assistance	Refers to relevant enhancments helping the user handling the mapping tool
MT4.1	MT4	Automated update	Automated update	Tool updates and realeases should be installed minimal invasive from a user's perspective.

Id	Parent	Comment			
		Action	Name	Description	(and alternatives)
MT4.2	MT4	Add third party extensions	Add third party extensions	The user should be able to extend the mapping tool by third party plugins (e.g. editors, transformation routines, etc.)	
MT4.3	MT4.1	Integrated help	Integrated help	Help supporting the user handling the main functionalities of the mapping tool.	In case the user is stuck or wants to know more about specific functionality he is able to call the integrated help-documentation. To do so he has to select "Help->Help Contents" from the main menu. After clicking Help Contents a separate window appears showing the documentation separatly.
MT4.4	MT4.2	Cheatsheet support	Cheatsheet support	Neat process descriptions in a tutorial like way.	In order to use cheatsheets the user has to go to "Help->Cheat Sheets...". A dialog appears listing all available cheatsheets. After selecting the desired cheatsheet a separate view opens and displays the cheatsheet's content providing a step-by-step description of how to reach a specific goal (e.g. create a new mapping project). In addition the cheatsheets are supported by help and wizard support.
MT4.5	MT4.1	Context-sensitive help	Context-sensitive help	Provides the ability to show context-sensitive help as a hook to the integrated help (documentation).	Context-sensitive help can be retrieved in two ways: (i) by pressing the F1 button or by clicking the question mark button within a dialog (e.g. wizards, cheatsheets). In both cases a short summary message is displayed in the help view (which might come up). The contextual help points the user to additional resources (often pinpointed under "see also:").

Id	23/1/12	Who	Actual Result	31/1/12	Who	Actual Result
MT1.1	o	T	used the museolito project M as provided	o	I	
MT2.1	o	T		o	I	
MT2.2	o			o	I	
MT2.3	o			o	I	
MT2.4	o			o	I	the pattern windows are still very uninformative
MT3.1	w		I had to manually change the support library references; may be to complex for a "simple" domain expert. Beside that it worked as expected	w	I	I had to manually correct and edit the XSLT : very complicated and not so clear.if I import the other reference lists available, shouldn't the html view read the new xslt files? Or do they have to be linked? <b>Images:</b> This element has no match in the hto ontology (filtered), had to be added manually by Albert <b>Prices &amp; Categories:</b> Museolitto does not provide this kind of information. <b>Permanent:</b> It is not so important, if an exhibition has an end data, it is temporary. For now we only receive from museolitto temporary exhibitions, so all entries have this field empty. The outcome, as i very well asked in my presentation and before, the output mapping file did not work on the server, is it not necessary that i can output a file that works in order to validate? If I recall correctly from my output file to the mapping file uploaded in the server (which works) there are two differences: the image pattern was manually added, so was a path at the beginning of the file.
MT4.1	o			x	I	After starting the tool it was stuck for nearly 10 minutes. then a dialog reporting: 'Contacting Software Sites' has encountered a problem. Unable to conecto to repository ... . After reporting this issue to Thomas he disabled the auto-update and I was able to start the editor. A manual update resulted in the same behavior and afterwards the tool took longer to start.

Id	23/1/12	Who	Actual Result	31/1/12	Who	Actual Result
MT4.2	o			x	I M	??
MT4.3	o			x	I M	No help content (used Cheat Sheets)
MT4.4	o			o	I M	I consider these cheatsheet approach as very helpfull
MT4.5	o			x	I M	

#### **Appendix B.4. Test cases for release 4**

Test cases for the 4<sup>th</sup> release were divided in 2 documents:

1. Test Case Release 4 – Mapping Tool
2. Test Case Release 4 – Portal

The results of all those excel documents were exported and included in this section.

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
MT0			Preparation : Installing the Mapping Tool from scratch											
MT0.1	MT0		Download		<b>Prerequisite: You have access to the Internet and are allowed to download files</b> Download the mapping tool		- Setup file on your local hard disk	○	T M		○	IM		
MT0.2	MT0	MT0.1	Install the mapping tool		Installation of the mapping tool to your local hard drive - start the setup and follow the wizard instructions - accept the license agreement (currently not specified) - specify the install location on your local hard drive (e.g., C:\Harmosearch)		- new directory corresponding to the provided installation location during installation - new icon on the desktop	○	T M		○	IM	Installed correctly direct access in desktop was created :D	
MT0.3	MT0	MT0.2	Start the mapping tool		<b>Prerequisite: You have installed the mapping tool accordingly</b> Start the mapping tool - double-click the 'MappingTool' shortcut on your Desktop	<u>Alternative:</u> Open the tools installation location; Start the mapping tool by double-clicking the MappingTool.exe	- mapping tool window appears	○	T M		○	IM		
MT0.4	MT0	MT0.1	Remove the mapping tool		<b>AT THE END OF YOUR TESTING:</b> Uninstall the mapping tool - open the tools installation location - double-clicking "uninstall.exe" - follow the instructions of the uninstaller	<b>NOTE: The uninstaller in its current version is kept very simple and stupid. Thus, the uninstallation procedure will delete ALL data in the respective installation location!</b>	- mapping tool has been uninstalled from the local hard disk - desktop icon "MappingTool" has been deleted	W	T M	The installer needs to be refined	X	IM	Like in the previous version of the mapping tool, the complete status bar is after a click full, and it does not unistall anything.	
MT0.5	MT0	MT0.2	Update the mapping tool		<b>Prerequisite: You need to have access to the Internet and the mapping tool needs to have firewall permission to download content; Mapping tool started and running</b> update : go to Help > Check for Updates Follow the instructions and restart the tool.	In case no updates can be found a respective information is shown to the user: "No updates were found"	- Update is beeing processed and installed - at the end of the installation process a dialog appears asking wheather to restart the application or not	○	T M		W	IM	is there a way around the firewall (i cannot change my firewall settings, and these do not allow the mapping tool to connect). Alternatively you could ask Adriano or David (or Peter) to do these test lines?	
MT0.6	MT4		Add third party extensions		<b>Prerequisite: same as MT0.5</b> <b>Alternative: Install plugins from a ZIP resource (see Alternatives)</b> Add a third party extension - go to Help > Install New Software - select http://www.ec.tuwien.ac.at/projects/harmosearch/mappingtool/repository" from the drop-box - expand "HarmoSearch - Third Party Features" - check "HarmoSearch Mapping Tool Cheatsheets" - press "Next" and follow the instructions - restart the mapping tool	<u>Alternative:</u> Install updates from ZIP resource - Click Help > Install New Software - Click "Add...", Click "Archive" - Navigate to the test data folder (data_tool) and select "Flocke_Additions_Cheatsheet_Support.zip" - Click "OK", Enter "Cheatsheet Support" in the "Name" field - Click "OK", Uncheck "Group Items by Category" - Check "HarmoSearch Mapping Tool Cheatsheets", Click "Next" and follow the instructions - Restart the mapping tool	- Third party plugin is updated and processed - At the end of the installation procedure a dialog appears asking you to restart the mapping tool - After restarting the mapping tool an additional menu entry should appear under the Help main menu entry - Click "Help > Cheatsheets ..." - A dialog appears and displays HarmoSearch related contents - Expand "HarmoSearch" and make sure it contains two entries (i) "Create a new "Hello World" mapping project" and (ii) "Reuse existing mapping solution"	○	T M		W	IM	is there a way around the firewall (i cannot change my firewall settings, and these do not allow the mapping tool to connect). Alternatively you could ask Adriano or David (or Peter) to do these test lines?	
MT1			Typical functionality for a solution developer											

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
MT1.1	MT1		Create new project		Create a new mapping project - go to File > New > Mapping Project - provide a project name and a mapping file name (set per default) - press "Finish"	Input validation project name - provide no project name - an error message is displayed at the top of the wizard dialog: "Provide a correct project name." Input validation mapping file name - provide a project name - delete the default name of the mapping file - error message appears: "Provide a correct mapping file name." - enter a file name, without file ending ".harmonize" - error message appears: " The mapping file has to have the extentension harmonize"	- a new project appears in the mapping navigator view - the project contains 6 folders, i.e., Filter, Input, Mappings, Output, Pattern, Schema - the project contains a configuration file, i.e., basic.mappingconfig	o	T M		o	IM	as expected	
MT1.2	MT1		Feedback about the content and the project wizard.		Typical questions under consideration may be - is the information provided by the dialog sufficient - is the information easy to understand and self-explaining - is the feedback in case of an error sufficient  <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose):</b> - If you have chosen New>Mapping project there is not much dialogue - having the red cross, when the user has not yet entered a name to the mapping project, leads to think that something is already wrong, maybe only a warning sing (pic warning.png)? - Of course, if the user modifies the file that has to end .harmonise, the red icon should appear. For "harmonise" is not a common extension, maybe write ".harmonise" ?									warning.png
MT1.3	MT1		Import schema wizard		<i>Prerequisite: An already existing mapping project</i> Import a schema resource - go to File > Import - expand "HarmoSearch Wizards", select "Import Schema File", check "Choose an existing file from local source" - click "Browse" and navigate to the data folder (data_tool) and select "hto.xsd", select the target project and click "Finish"	Import a schema resource from a bundle - go to File > Import - expand "HarmoSearch Wizards" - select "Import Schema", check "Choose a bundle of files packed in a ZIP file" - click "Browse" and navigate to the data folder (data_tool) and select "schemaBundle.zip", uncheck "KHM.xsd" (optional), select the target project and click "Finish"	single import : the "Schema" folder of the target project contains the "hto.xsd" schema file bundle import : the "Schema" folder of the target project contains "museolito.xsd" and "KHM.xsd"	o	T M		o	IM	both as expected	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
MT1.4	MT1		Import pattern wizard		<i>Prerequisite: same as MT1.3</i> Import a pattern resource - go to File > Import - expand "HarmoSearch Wizards" - select "Import Pattern" - check "Choose a bundle of files packed in a ZIP file" - click "Browse" and navigate to the data folder (data_tool) and select "date-time.xml" - select the target project - click "Finish"	Import a pattern resource from a bundle - go to File > Import - expand "HarmoSearch Wizards" - select "Import Pattern" - check "Choose a bundle of files packed in a ZIP file" - click "Browse" and navigate to the data folder (data_tool) and select "patternBundle.zip" - select the target project and click "Finish"	single import : the "Pattern" folder of the target project contains the "data-time.xml" pattern file Bundle import : the "Pattern" folder of the target project contains multiple pattern files, i.e., data-time.xml, Euromuse-RL-languages.xslt, euromuse2html.xml, HTO_Euromuse.xslt, HTO_Euromuse_new.xslt, hto2html.xml, thov2.xsl	<input checked="" type="radio"/>	T M		<input checked="" type="radio"/>	IM	both as expected	
MT1.5	MT1		Import filter wizard		<i>Prerequisite: same as MT1.3</i> Import a filter resource - go to File > Import, expand "HarmoSearch Wizards", select "Import Filter File", click "Browse" and navigate to the data folder (data_tool) and select "filter.xml", - select the target project and click "Finish"		- the "Filter" folder of the target project contains "filter.xml"	<input checked="" type="radio"/>	T M		<input checked="" type="radio"/>	IM	as expected	
MT1.6	MT1		Import input file wizard		<i>Prerequisite: same as MT1.3</i> Import a input resource, e.g., instance data - go to File > Import, expand "HarmoSearch Wizards" - select "Import Input File", click "Browse" and navigate to the data folder (data_tool) and select "biellaEvents.xml" - select the target project and click "Finish"	Import an input file resource from a bundle - go to File > Import - expand "HarmoSearch Wizards" - select "Import Input File", check "Choose a bundle of files packed in a ZIP file" - click "Browse" and navigate to the data folder (data_tool) and select "inputBundle.zip", select the target project and click "Finish"	single file : the "Input" folder of the target project contains a new file called "biellaEvents.xml" bundle : the "Input" folder of the target project contains 3 new files called "biellaEvents.xml", "biella2hto.xml", and "process.xml"	<input checked="" type="radio"/>	T M		<input checked="" type="radio"/>	IM	both as expected	
MT1.7	MT1		Feedback regarding the file import wizards, which are in puarticular pattern, schema, input file wizard <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> The import wizard has 2 selections (from single file and from zip) this is clear, but it has a compulsory second step, that is not that clear, namely to select the target folder / project in which the elements are to be imported. Maybe if a warning sign where shown in the upper part of the wizzard (as when something is wrong) with the message "Don't forget to select the target project" would be more clear											
MT1.8	MT1		Feedback regarding the filter file import wizard									IM	See above	
MT1.9	MT1		Export		<i>Prerequisite: An already existing mapping project</i> Exporting a project - go to File > Export, select "Archive File" and press "Next"		a new ZIP file has been created in the specified location on your local hard-drive	<input checked="" type="radio"/>	T M		<input checked="" type="radio"/>	IM	as expected	
MT2			Domain experts Functionalities; Describes typical scenarios a domain expert faces during the mapping cycle using the HarmoSearch mapping tool											

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
MT2.1	MT2		Import test project into workspace		Import a pre-defined mapping project - go to File > Import, expand "General" - select "Existing Projects into Workspace" and click "Next" - select "Select archive file" (default), click "Browse" and navigate to data folder (data_tool) and select "BiellaDemoProject.zip" - check "BiellaDemoProject", check "Copy project into workspace" and press "Next"	Project already exists in the workspace (BiellaDemoProject) - left-click "BiellaDemoProject" in the Mapping Navigator view - click "Delete" - check "Delete project contents on disk (cannot be undone)" - click "OK" - repeat "Import a pre-defined mapping project"	- a new project appears in the Mapping Navigator view called "BiellaDemoProject" - expand the project - make sure the project has a "basic.mappingconfig" file - those folders have to be present: "Filter", "Input", "Mapping", "Output", "Pattern", "Schema", the folders contain several files, e.g., filter.xml (Filter folder), hto.xsd (Schema folder)	o	T M		o	IM	A) "select archive file" is not set as default, "select root directory" is. B) check copy project into workspace is not an option (it is defaultly checked and greyed, check pic "import_dialogue.png")	import_dialogue.png
MT2.2	MT2		Opening the mapping file		Open the mapping file - in the Mapping Navigator view expand "BiellaDemoProject" - expand the "Mapping" folder - double-click "biella.harmonize"		- the mapping file will be opened by the mapping editor (the editor window appears in the middle of the screen) - the Graph View editor tab is active (highlighted) - the modeling canvas is empty (white area)	o	T M		o	IM		
MT2.3	MT2		Import a schema to editor		Import a schema to the editor - expand the "Schema" folder, click and drag "hto.xsd" onto the modeling canvas (white area), drop "hto.xsd" onto the modeling canvas, select "event" from the drop-box and press "OK" - click and drag "biella.xsd" onto the modeling canvas, drop "biella.xsd" onto the modeling canvas, select "eventList" from the drop-box and press "OK"		- two schema figures are shown on the modeling canvas - the schema items are shown as tree-view - the shapes can be moved by simple drag and drop actions	o	T M		o	IM	I LIKE THIS! Here is what I missed in Mint in this step, maybe possible to mend in flocke: define root element: "your schema root element contains one or more datasets with identical structure"	
MT2.4	MT2		Feedback about the import functionality <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> : Provided this approach will be given once the user has already performed an initial mapping, or continues the work of a colleague, it is very simple and user-friendly . All other possibilities of import (Browse root element...) are not covered by testcase, what are they for?											
MT2.5	MT2		Single source target mappings		<i>Prerequisite: Imported demo project and imported schema files (biella.xsd, hto.xsd)</i> Map a single source element to single target element and accept its value - select the "link" component from the component list next to the modeling canvas (left hand side) - click on "title" in the "biella" schema, click on "mainTitle" in the "hto" schema - select the "Select" component from the component list next to the modeling canvas (left hand side), click on the newly created link - select "hto:value-of" in the dialog, enter "." (without ") for the value parameter and click "Confirm" - save changes by clicking the save-button in the main toolbar or by pressing STRG+S		- as soon as the mapping link is created a black line appears connecting both elements - when selecting a link a dialog window appears - confirming the mapping settings changes the color from black to green	o	T M		o	IM	some kind of information in pop up	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	Who	Actual Result	Output
								o			o	IM		
MT2.6	MT2		Perform transformation		<i>Prerequisite: same as MT2.5</i> Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View	Make sure potential changes on the mapping have been saved! - changes are indicated by means of a * symbol at the top of the editor pane	- the Feedback View appears on the right hand side of the modeling canvas - the Feedback View shows 4 events in the HTO format, which is the output of the transformation (XSLT) - each event (starting with <event>) has a <mainTitle> tag - the elements "mainTitle" has a value: Mostra for the first three events, Mostre for the last event NOTE: The values differ due to the provided instance data!	o	T M		o	IM	expected	
MT2.7	MT2		Single source to multiple target element mappings		<i>Prerequisite: Imported demo project and imported schema files (biella.xsd, hto.xsd)</i> Map a single source element to multiple target elements and accept its value - select the "link" component from the component list next to the modeling canvas (left hand side), click on "title" in the biella schema and click on "subTitle" in the hto schema - select the "Select" component from the component list next to the modeling canvas (left hand side), select the newly created link, select "hto:value-of" in the dialog, enter "." (without ") for the value parameter and click "Confirm" - save changes by clicking the save-button in the main toolbar		- as soon as the mapping link is created a black line appears connecting both elements - when selecting a link a dialog window appears - confirming the mapping settings changes the color from black to green	o	T M		o	IM	expected	
MT2.8	MT2		Perform transformation		<i>Prerequisite: Imported demo project and imported schema files (biella.xsd, hto.xsd); existing mapping</i> Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- each event (<event>) has an additional <subTitle> entry - the value for each sub title has to equal the main title's value, i.e., Mostra for the first three, Mostre for the last event NOTE: The values differ due to the provided instance data!	o	T M		o	IM	expected	
MT2.9	MT2		Concatination on multiple source to single target mapping		<i>Prerequisite: same as MT2.5</i> Concatenate values from multiple source to single target element - select the "link" component from the component list next to the modeling canvas (left hand side) - click on "articleName" in the "biella" schema, click on "shortDescription" in the "hto" schema - select the "Select" component from the component list next to the modeling canvas (left hand		- two configured (green) mapping links interlinking the elements "articleName" and "contactWeb" in the biella schema to "shortDescription" in the hto schema	o	T M		o	IM	as expected	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
MT2.10	MT2		Perform transformation		<i>Prerequisite: Imported demo project and imported schema files (biella.xsd, hto.xsd); existing mapping</i> Perform transformation : click "createTX" in the main toolbar and check the result in the Feedback View		- a new <shortDescription> element appears - its value contains the article title and a web link, e.g., Mostrahttp://www.biellesitessitori diunita.it NOTE: The values depend on the provided instance data! Thus, they can vary!	o	T M		o	IM	why not with comma space inbetween, it makes sense to want to have 2 data in one field (I would imagine, e.g., I would like to send data that is not in the hto ontology to a third party (e.g. euromuse), like the webcontact, and I want to add it to the long description, but comma separated, or even in a new line  	
MT2.11	MT2		Date mapping		<i>Prerequisite: Imported demo project and imported schema files (biella.xsd, hto.xsd)</i> Map an xsd formatted date - select the "link" component from the component list next to the modeling canvas (left hand side), click on "dateMin" in the biella schema and click on "startDate" in the hto schema - select the "Select" component from the component list next to the modeling canvas (left hand side), select the newly created link and select "hto:xsd-date-to-hto-date" in the dialog - enter "." (without ") for the "date" parameter and click "Confirm" - save changes by clicking the save-button in the main toolbar	The provided date format in the instance data corresponds to the xsd-date format Evaluation of the input format - Expand "Input" and open "biellaEvents.xml" - check the date format for <dateMin>, it should be 2011-10-15T12:00:00	- as soon as the mapping link is created a black line appears connecting both elements - when selecting a link a dialog window appears - setting the mapping specifications the link's color is changed to green	o	T M		w	IM	The result is as expected, but it is not easy to guess, which is the right choice... maybe the wording could be different (see comments line 42) dateMin in source biella is start date in hto, the format has to be chosen "hto:xsd-date-to-hto-date", why then for the dateMax (which is the end date in hto) does not work the same "hto:xsd-date-to-hto-date", and has to be chosen "yyyymmdd-date-to-hto-date"? In the xml of the biella event both have the same format (namely: 20112011T12:00:00 / yyyymmddThh:mm:ss)	
MT2.12	MT2		Perform transformation		<i>Prerequisite: same as MT2.5</i> Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- the output has another new element: <startDate> - the start date has three sub-elements: <year>, <month>, <day> - check the value for each sub-element, e.g., 2011 (year), 10 (month), 15 (day) NOTE: The values depend on the provided instance data! Thus, they can vary!	o	T M		o	IM		

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	Who	Actual Result	Output
								o			o	IM		
MT2.13	MT2		Date mapping		<i>Prerequisite: same as MT2.5</i> Map a date formatted in ddmmyyyy - select the "link" component from the component list next to the modeling canvas (left hand side) - click on "dateMax" in the "biella" schema, click on "endDate" in the "hto" schema and select the "Select" component from the component list next to the modeling canvas (left hand side) - select the newly created link, select "hto:ddmmyyyy-to-hto-date" in the dialog, enter "." (without "") for the "date" parameter and click "Confirm" - save changes by clicking the save-button in the main toolbar	The provided date format in the instance data corresponds to a format like: 20112011T12:00:00 Evaluate the date format of the instance data - Expand "Input" and open "biellaEvents.xml" - check the date format for <dateMax>, it should be something like 20112011T12:00:00	- as soon as the mapping link is created a black line appears connecting both elements - when selecting a link a dialog window appears - setting the mapping specifications the link's color is changed to green	o	T M		o	IM	See comments in line 42.	
MT2.14	MT2		Perform transformation		<i>Prerequisite: same as MT2.5</i> Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- the output has another new element: <startDate> - the start date has three sub-elements: year, month, day - check the value for each sub-element, e.g., 2011 (year), 10 (month), 15 (day) NOTE: The values depend on the provided instance data! Thus, they can vary!	o	T M		o	IM	as expected	
MT2.15	MT2		Transformation		Transforms a mapping to XSLT.									

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
								o			o	IM		
MT2.16	MT2		Set hto language		<i>Prerequisite: same as MT2.5</i> Map hto:languageText elements (e.g., long description) - select the "link" component from the component list next to the modeling canvas (left hand side), click on "longDesc" in the "biella" schema and click on "longDescription" in the "hto" schema - select the "Select" component from the component list next to the modeling canvas (left hand side), select the newly created link, select "hto:languageText" in the dialog and enter "." (without '"') for the "text" parameter - enter 'de' (including the ') for the "language" parameter and click "Confirm" - save changes by clicking the save-button in the main toolbar	<b>Note: Once a language text has been mapped, the language parameter is saved automatically and available via the drop-down list.</b>	- as soon as the mapping link is created a black line appears connecting both elements - when selecting a link a dialog window appears - setting the mapping specifications the link's color is changed to green	o	T M		o	IM	typed 'it' instead	
MT2.17	MT2		Perform transformation		<i>Prerequisite: same as MT2.5</i> Perform transformation : click "createTX" in the main toolbar and check the result in the Feedback View		- the output has another new element: <longDescription> - <longDescription> has two sub-elements: <text> and <language> - make sure the language-value is set to "de" - check if the text-value is set (may vary depending on the instance data) NOTE: The values depend on the provided instance data! Thus, they can vary!	o	T M		o	IM	as expected	
			Delete a mapping link		<i>Prerequisite: same as MT2.5</i> Delete a mapping link as follows - select "Select" from the components list - left-click the link between "articleName" and "shortDescription" and select "delete" - left-click the link between "contactWeb" and "shortDescription" and select "delete" - save your changes		- the links between "articleName", "contactWeb" and "shortDescription" are deleted and not present anymore	o	T M		o	IM	mac user... everywhere you write left-clicks should be right-clicks!!	
MT2.17	MT2		Perform transformation		<i>Prerequisite: same as MT2.5</i> Perform transformation : click "createTX" in the main toolbar and check the result in the Feedback View		- the generated output has no <shortDescription> element anymore	o	T M		o	IM	as expected	

								18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output	
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs								
MT2.18	MT2		Reuse already set language		<i>Prerequisite: same as MT2.5</i> Reuse language settings - select the "link" component from the component list next to the modeling canvas (left hand side) - click on "longDesc" in the "biella" schema, click on "shortDescription" in the "hto" schema and select the "Select" component from the component list next to the modeling canvas (left hand side) - select the newly created link, select "hto:languageText" in the dialog, enter "." (without '"') for the "text" parameter and click the drop-down box and select 'de' for the "language" parameter and click "Confirm" - save changes by clicking the save-button in the main toolbar	Note: The Biella schema does not have a short description. However, for demonstration purposes we will map the long description	- mapping dialog: the previously set language ('de') is available via the drop-down box for the language parameter - confirming the mapping specifications changes the link's color to green	o	T M		o	IM	as expected		
MT2.19	MT2		Perform transformation		<i>Prerequisite: same as MT2.5</i> Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- the <shortDescription> element appears again with two sub-elements: <text> and <language> - make sure the language-value is set to 'de' - check if the text-value is set (may vary depending on the instance data) NOTE: The values depend on the provided instance data! Thus, they can vary!	o	T M		o	IM	as expected		
			Provide feedback about the graphical feedback (green, black links)  <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> a) The link 'sticky' function... still think there should have an integrated solution to 'guide' the user to the select functionality (maybe the first link could activate a dialoge informing to change into the select function to confirm or edit the link). b) the value mapping condition dialogue disappears if you click on another application on your computer even if you have not set a parameter for value; it could remain there and disappear once the link is confirmed, it is clicked in the white area of the viewer or esc is hit. Or it could have a 'close window' button.												

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
			<b>Provide feedback about the interlinking method</b> <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> <b>Interlinking dates:</b> so ok, it is obvious that you are linking from xsd (source) to hto (target), so why repeat it? Why not offer the user to define their format? E.g. YYYYMMDD DD-MM-YYYY DD.MM.YYYY DDMMYYYY or even better, with a sample-date: 1.1.2000 2000-01-01 ...[more can be found in excel] <b>interlinking text:</b> If I where not to have the cheat sheets, how would I know that the language has to be defined by de, it, en... and cannot write deutsch, italiano,... this would be easier if in the window, an example could be provided, also i find weird that I have to set semi-colon 'en'...It is just not intuitive enough.											simple_mapping_confirm.png
			Provide feedback about the Graph View editor <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> n information about the links appears when mousover a link (from/to). This information should not hang around too much (PIC mouseover_limit.png) Another day this did not happen (maybe the computer was running slower, and this is not the mapping tool, but the computer.)											mouseover_li
			Provide general feedback <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> At the moment nothing more... see general functionality improvement (languages and dates). The trouble is, this is not an example that I can then test results, that is still what I am looking for in the test cases, to output a file and actually use it											
			Following a strict mapping	A user follows a defined mapping process that suggests the elements that a domain expert has to map		Prerequisite: Prerequisite: same as MT2.5								
MT2.21	MT2		Delete all mapping links	Delete the previously created mapping links - select each link by a right-click and select "delete" - save your changes - close the mapping file "biella.harmonize" - double-click "biella.harmonize" again in order to re-open the mapping editor		Note: To refresh the settings it is required to close and re-open the mapping file		- all links are deleted and do not appear anymore on the modeling canvas	o	T M		o	IM	as expected

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
								o			o	IM		
MT2.22	MT2		Change the mapping editor		Switch to the Form View mapping editor - click the "Form View" tab at the bottom of the mapping editor		- a form view editor appears in the editor pane - the "Form View" tab is active (highlighted) - the "biella" schema is listed as a tree view on the left hand side of the editor - the right hand side of the editor shows the mapping steps: (i) a table and (ii) 4 bullets (Step 1, Step2, Step3, Step all) - "Step all" is checked	o	T M		o	IM	as expected	
MT2.23	MT2		Mapping the basic description		Mapping the title element - select "Step 1" - select "title" from the table on the right hand side - expand the biella schema shown on the left hand side - drag&drop the "title" element onto the second table (right below the first one) - select "hto:languageText" - type 'en' (including ') as parameter into the drop-box for the "language" parameter - press "Confirm" - save your changes	Explanation: The form editor is separated into two parts: the left hand side shows the source schema (biella), whereas the right hand side shows the target schema (hto). The mappers task is to provide an adequate mapping for required target elements. These elements are defined by a fixed mapping process. The mapping process in the context of the HarmoSearch mapping tool is called "Filter". The corresponding filter file (filter.xml) is located in the "Filter" folder. Note: We leave the subtitle element unmapped since no corresponding opposite element exists in the biella schema!	- the "title" tag changes ist color from white to green (showing that the mapping has been completed) - "subtitle" remains in white (not mapped) status	o	T M		o	IM	ohhh!	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
								o			o	IM		
MT2.24	MT2		Perform transformation		Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- the Feedback View appears on the right hand side of the modeling canvas - the Feedback View shows 4 events in the HTO format, which is the output of the transformation (XSLT) - each event (starting with <event>) has a <mainTitle> tag - the elements "mainTitle" should have a value: Mostra for the first three events, Mostre for the last event - make sure no <subTitle> element exists NOTE: The values differ due to the provided instance data!	o	T M		o	IM	as expected	
MT2.25	MT2		Mapping the additional information		Switch to step 2 - select "Step2" Mapping the long description element - select "longDescription", drag and drop "longDesc" from the biella schema to the table below - select "hto:languageText", select the already defined language 'en' from the drop-down list and press "Confirm" and save your changes Mapping the Begin Date - select "beginDate", drag and drop "dateMin" from the biella schema to the table below - select "hto:xsd-date-to-hto-date" and press "Confirm" and save your changes Mapping the End Date - select "endDate", drag and drop "dateMax" from the biella schema to the table below - select "hto:ddmmyyyy-data-to-hto-date" and press "Confirm" and - save your changes	Note: Short description and day times will not be mapped since we are not able to find a corresponding opposite in the biella schema	- Step 2 is active and the corresponding elements are shown in the table - their default status is not-mapped so far (white box) - after confirming the mappings for "longDescription", "startDate" and "endDate" their status changes to done, which is illustrated by a green box	o	T M		o	IM	as expected, and might I say done in less than 1 minute! PS Still thinking we should rephrase the options "hto:xsd-date-to-hto-date" and "hto:ddmmyyyy-data-to-hto-date"	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
								o	T		o	IM		
MT2.26	MT2		Perform transformation		Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- the output shows 2 new elements: <description>, <timeline> - <timeline> is composed, among others, of <startDate> and <endDate> elements - check that <startDate> as well as <endDate> have assigned values for <year>, <month> and <day> - <description> contains among others <longDescription> - make sure the sub-elements <text> and <language> contain a value (en in case of <language>) NOTE: The values depend on the provided instance data! Thus, they can vary	o	T		o	IM	as expected	
MT2.27	MT2		Mapping step 3		Switch to step 3 - select "Step 3" Mapping the category - select "category", drag and drop "kwID" from the biella schema (sub-element of "eventType") - select "hto:Category", select "." from the drop-down list and press Confirm - save your changes	<b>Note: the remaining elements "organiser id" and "location id" will be mapped in the next step for demonstration purposes of the graphical domain-expert feedback</b>	- Step 3 is active and the corresponding elements are shown in the table - their default status is not-mapped (white box) - after applying the mapping "category" switches to done (green box) - organiser id and location id remain white (not mapped at all)	o	T		o	IM	as expected	
MT2.28	MT2		Perform transformation		Perform transformation - click "createTX" in the main toolbar - check the result in the Feedback View		- the output shows a new element: <category> - check if the sub-element <domainValue> is set (e.g., exhibition european art before 1800) NOTE: The values depend on the provided instance data! Thus, they can vary!	o	T		o	IM	as expected	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
MT2.29	MT2		Set a mapping to status unknown		Indicate organiser id as unsolved mapping - select "organiser id" - drag and drop "pid" onto the table below - save your changes	<b>In case the domain-expert does not feel comfortable with a solution or is not able to do a mapping at all but is sure that a corresponding opposite exists in the source schema he is able to provide graphical feedback.</b>	- the "organiser id" changes ist color to black - this indicates that the domain expert is not sure about the correctness of the proposed mapping, the feedback indicates "additional support needed"	o	T M		o	IM	alternatively, the user (as I did), can open in the viewer in the folder "input" , the "BiellaEvents.xml" where he/she can see the actual values being mapped.	
MT2.30	MT2		Set the mapping status to TODO		Mark location id as "TODO" - select "location id" - drag and drop "id" onto the table below, click on "id" , select "TODO" from the drop-box and press "Confirm" - save your changes	<b>Setting a mapping status to TODO signals the technical expert that the domain expert was not able to solve the mapping. Potential reasons may be missing pattern support. As a consequence the technical expert has an anchor and knows where to hook in in order to solve the problem and finalize the mapping, e.g., by implementing the missing pattern</b>	- the "location id" changes ist color to red - such a mapping indicates that the corresponding opposite has been found but cannot be mapped to hto due to technical reasons - such mappings require additional technical support, e.g., implementing missing pattern	o	T M		o	IM	as expected comment 1: what if the domain expert, has no clue as what to choose? Could not be possible to mark location id in the hto element as TODO? Comment 2: where to set to TODO, in the hto:Referencedvalue or hto:value-of?	
MT2.31	MT2		Reset an already defined mapping		Reset the mapping for location id - select "location id", select "id", select "reset" from the drop-down box and press "Confirm" - save your changes	<b>In case the domain expert thinks an already set mapping has to be reset</b>	- the "location id" changes ist color to white (no mapping at all)	o	T M		w	IM	it is black (pic reset_mapping.png) What is the difference between reset and delete? See: reset_mapping.png	screen
			Feedback about the functionality of the Form View mapping editor <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> I am fan! It can be handled better than the Graphical view, where switching from Link function to Select function and the many windows, added complexity to the process. The form view is more intuitive, once you know you have to activate the element in the hto filter to be mapped, and know the area where the source schema element has to be dropped... is easy peasy!! still, the content of the mapping conditioning could be simplified											
			Feedback about the graphical domain expert feedback functionality <b>Feedback from IM on 24/8/12 (placed in several columns for readability purpose)</b> ? You mean set a link as TODO? This is great if I knew of a case of a user having a technical expert behind to finish up their work, maybe Sabine, can give you some feedback ...											
			Feedback about the Form View UI I made a pic with comments see : Form_ui.png											screen
MT4			Transformation Process											

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Outputs	18/7/12	Who	Actual Result	24/8/12	who	Actual Result	Output
			Use HTML as output format		<b>Prerequisites: An existing project and corresponding mappings</b> <b>Requirements: Note, in order to generate HTML output a proper transformation template (XSLT) is required that is suitable to transform the resulting XML output to HTML</b> Change the process settings : - Expand the "Input" folder - double-click "process.xml", uncomment "<Xsl>Pattern/hto2html.xsl</Xsl>" by removing "<!--" and "-->" - change the value of "<Output>" to "html" (without ") and save your changes Perform transformation : click "createTX" in the main toolbar and check the result in the Feedback View		- the standard XML output has changed to HTML listing the corresponding events and mappings in table form	o	T M		o	IM	did this, once I had mapped all fields from the exercise above (including: title, dates, description, categories), and the categories were not outputted in the html output (while they were output in the xml feedback	
MT3			User		Refers to relevant enhancements helping the user handling the mapping tool									
MT3.1	MT3		Integrated help		Open the integrated help - Click "Help > Help Contents" in the main menu - Expand the "HarmoSearch Mapping Tool User Guide" node - Expand "Getting Started" - Expand "Basic Tutorial" - Click "Create your first mapping project"	<b>Note: The documentation is in a preliminary state due to the prototypical status of the mapping tool.</b>	- The integrated help dialog pops up - The help contents appear on the left hand side and contain two nodes (i) "HarmoSearch Mapping Tool User Guide" and (ii) "XSL Tools User Documentation" - "HarmoSearch Mapping Tool User Guide" contains 4 sub-nodes - "Getting Started" and "Concepts" are further refined by additional sub-nodes	o	T M	Documentation expected	w		is there a way around the firewall (i cannot change my firewall settings, and these do not allow the mapping tool to connect). Alternatively you could ask Adriano or David (or Peter) to do these test lines?	
MT3.2	MT3		Cheatsheet support		<b>Prerequisite: To accomplish this task the installation of the third party plugin "harmosearch.mappingtool.cheatsheets" (see task MT0.6)</b> Open the cheatsheets - Click "Help > Cheatsheets...", Expand "HarmoSearch" - Select "Create a new "Hello World" mapping project", Click "OK" - Start the cheat sheet by clicking "Click on Begin" in the Introduction section - Follow the instructions		- The "Cheat Sheets" View opens and shows the content of the "Create a new "Hello World" mapping project - The cheatsheet is separated into 5 sections - Interacting with the cheatsheets result in for example calling a wizard or moving to the next explanatory section	o	T M		w		is there a way around the firewall (i cannot change my firewall settings, and these do not allow the mapping tool to connect). Alternatively you could ask Adriano or David (or Peter) to do these test lines?	
MT3.3	MT3		help contents		Potential question : What are must have criteria for the user documentation provided by the mapping tool									
MT3.4	MT3		cheat sheets		Potential question : What functionality should be covered by means of a cheat sheet									

								9/11/12			12/11/12		
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output		Who	Actual Result		Who	Actual Result
R0			Test.Set.Up	Basic configuration needed for the tests	User configures his account with mappings, permissions and query service								
R0.0	R0			Create an account if you don't have one yet	click on 'Sign in' click on 'Create Account' insert your own data (names and a valid email address) select also the organization you belong to (if not present insert the organization's name) wait for the account activation email (activation is done by an administrator)		Email which confirms that the account is active.	O	Promoter	Emails received, account active	X	museumsmedien	no activation, Claudio did it manually. password and sentence ends with dot, to me it is not clear, where the password ends it seems not possible to copy & paste the password
R0.1	R0			Upload data mapping file from local system to Harmonise ontology (for the events domain)	Log in with your user - go on 'Configurations'->'Mapping Store' - select any identifier as 'collectionId' (for instance 'events') - choose 'Upload mapping from local system to Harmonise ontology' - select the mapping from local system to Harmonise ontology (choose the file available in the test folder as 'Euromuse_HTO.xslt' ) - select 'default for sending events' - click on 'Send' and check for the success message on top of the page		File is listed in the box at the end of the page.	O	Promoter		O	museumsmedien	ok
R0.2	R0			Upload data mapping file from Harmonise ontology to local system (for the events domain)	Log in with your user - go on 'Configurations'->'Mapping Store' - select any identifier as 'collectionId' (for instance 'events') - choose 'Upload mapping from Harmonise ontology to local system' - select the mapping from Harmonise ontology to local system (choose the file available in the test folder as 'HTO_Euromuse.xslt') - select 'default for receiving events' - click on 'Send' and check for the success message on top of the page		File is listed in the box at the end of the page.	O	Promoter		?	museumsmedien	upload takes a long time, no hints from the system, what is going on... tried again tried 3 times then stopped, and clicked on "mapping store" again, it showed the HTO_Euromuse at the bottom, but no success message

							9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output					
R0.3	RO			Set up query service	Login with your user go in 'Configurations'->'Query Service' in panel 'Registry Data Management' click on the name of your organization (Participant Name) Go on panel 'Create and attach a new Data Provider' and insert an id (e.g. <Your-organization_name>_datapvider (no whitespaces!)) click on 'Create' and insert the following parameters: any name for your provider the name of the collectionId that you used when uploading the mapping (for instance 'events') 'http://www.euromuse.net/harmonise/query/query.php' as service access endpoint (no whitespaces!) 'karin' as username and password (no whitespaces!) 'HTTPAdapter' as Connector class (no whitespaces!) select 'METASEARCH' and 'IMPORT' as supported Query types 'Event' as Subdomain click on 'Save Changes' click 'Edit Data Description' and select 'Events with location and category' from the drop-down list on the top click on 'Save Changes'		If you go back to the view 'Harmonise Participant Details' (back to list, click on your organization's name), the new data provider is attached to the your organization	O	Promoter		X	musumsmedien this does not seem to work?: click 'Edit Data Description' and select 'Events with location and category' from the drop-down list on the top click on 'Save Changes'  I always get some XML in the window, but no success?
R0.4	RO			Change email address (which is the username) of 'testuser'	Log in with username 'testuser@test.user', with password 'testuser' - go on 'Configurations' -> 'Edit Profile' - insert your email address (must be different from the one you already set for your user account on HarmoSearch) - click 'Save' and check the success message		After you log out you can again log in with the new email address as username, and 'testuser' as password	O	Promoter		O	musumsmedien Your request processed successfully. O.k.
R0.5	RO			Subscribe to external service	Log in with your account - go on 'External Services' -> 'Subscribe to Service' - click 'Subscribe' on the external service 'Event fields filter' - do not insert any value in 'Terms of use' (asking to use the service without restrictions)	<i>This service is open to all, and the subscription does not require the authorization by the owner of the service</i>	Event fields filter' is in status 'Auhtorized' and is immediately available in the dropdown list of the import, push and scheduler pages.	O	Promoter		O	musumsmedien o.k.

							9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output					
R0.6	RO			Upload query mappings (for the events domain)	log with your user go on 'Configurations'->'Mapping Store' insert the collection id you already used for the events domain when uploading the data mappings (for instance 'events') choose 'Upload query mapping to translate HarmoSearch fields and enumerations' select the query fields and enumerations mapping file (you can choose the file available in the test folder as 'HTO_Euromuse_query_enum.xslt') choose 'Upload query mapping to translate HarmoSearch query structure' select the query structure mapping file (you can choose the file available in the test folder as 'HTO_Euromuse_query.xslt') click on 'Send' and check for the success message on top of the page		Files are listed in the box at the end of the page.	<div></div>	Promoter		<div></div>	Museumsmedien Mapping file successfully uploaded But the test file is an .xslt not .xslt
R0.7	RO			Restore testuser email address (which represents the username)	<b>AT THE END OF YOUR TESTING:</b> Log in as testuser (username is the email you set), with password 'testuser' - go on 'Configurations' -> 'Edit Profile' - insert as email address: testuser@test.user - click 'Save' and check the success message	<b><u>Required when you stop testing!</u></b>	After you log out you can again log in with the 'testuser@test.user' as username, and 'testuser' as password	<div></div>	Promoter		<div></div>	Museumsmedien
R0.8	RO			Remove scheduled tasks	<b>AT THE END OF YOUR TESTING:</b> Log in with your account - delete all scheduled operations within 'Exchange Data' -> 'Scheduler'	<b><u>Required when you stop testing!</u></b>  Otherwise the mail notifications will be sent to the next testers		<div></div>	Promoter		<div></div>	Museumsmedien

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	Who		Actual Result	12/11/12	Who		Actual Result
R0.9	R0				Content of user registration page	<a href="#">Create Account' page contains fields and buttons to register a new user</a>									
R0.10	R0				Documentation of user registration page	<a href="#">Link to the documentation</a>									
R0.11	R0				Content of user profile editing form	<a href="#">Edit Profile' page has fields and buttons for updating user information and password</a>									

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	11/11/12		12/11/12	11/11/12	
								Who	Actual Result		Who	Actual Result	
R0.12	R0			Documentatio n of user profile editing form	<a href="#">Link to the documentation</a>								
R1			Exchange: Publish.Events	<b>Publish events on social networks</b>	<b>User publishes selected events on Facebook and on Twitter</b>								
R1.1	R1	R0.1, R0.3, R0.6, R1.1, R1.2, R1.3		Give permission to publish on your behalf	Login with your account go on Configurations -> Social Networks click on 'give permissions' for one of the social networks where you have an account	<i>For Facebook, it is enough if you give to HarmoSearch app the permissions: 'Post on your behalf' and 'Manage your events'.</i>	The button for giving permission is replaced by the buttons for expanding the credentials token and for removing the just given permission. On the Scheduler page, if you select 'Publish' as operation, your social network target is now available in the dropdown list (e.g. as 'Twitter-my status')	O	Promoter		—	museumsmedien	
R1.2	R1	R0.1, R0.3, R0.6, R1.1, R1.2, R1.3		Schedule publish with manual filter	<u>Prerequisite</u> : you have uploaded and configured the mapping of events from your local system to HarmoSearch, the two mappings for the query, and you have configured a query service for your organization (see the 'Sequence' column - C18 - for the details)  go on 'Exchange Data' -> 'Scheduler' select - 'Publish on social network' as operation - your social network's target (one or more) as recipient (*) - keep 'Filter manually' selected - subdomain 'Event', country 'France', city 'Paris', category 'exhibition painting' - schedule the operation within the next 10 minutes (**)	<i>* don't select 'HarmoSearch event' or 'HarmoSearch status', but only 'Facebook my event', 'Facebook my status', 'Twitter my status'</i>  <i>** you can refer to <a href="http://www.timeanddate.com/worldclock/city.html?n=195">http://www.timeanddate.com/worldclock/city.html?n=195</a></i>  <i>in order to know the server's system clock</i>	In 'Operation Status' the publish operation is reported as suspended and awaiting confirmation. An email is sent that invites the user to log in and confirm the publishing of the selected events. Some events should be available for publishing on your social network (the same that are returned with a metasearch using the same	O	Promoter		—	museumsmedien	

							9/11/12			12/11/12		
Id	Parent	Sequence	Action					Who	Actual Result		Who	Actual Result
				Name	Description	Comment (and alternatives)						
R1.3	R1	R0.1, R0.3, R0.6		Filter manually and confirm publishing	go on 'Exchange Data' -> 'Confirm publishing' select one or more of the events in the list click on 'Publish selected items'		The message 'Selected items have been published' is shown.  The selected events are published on the users social network target	O	Promoter		-	museumsmedien
R1.4	R1	R0.1, R0.3, R0.6, R1.1, R1.4		Schedule full automatic publish	go on 'Exchange Data' -> 'Scheduler' select - 'Publish on social network' as operation - your social network's target (one or more) as recipient (*) - unselect 'Filter manually' checkbox - subdomain 'Event', country 'France', city 'Paris', category 'exhibition european cultural history'	* don't select 'HarmoSearch event' or 'HarmoSearch status', but only 'Facebook my event', 'Facebook my status', 'Twitter my status'	In 'Operation Status' the publish operation is reported as completed.  An email is sent that informs on the success of the scheduled operation.  One event should be published on your social network (the same that is returned with a metasearch using the same search	O	Promoter		-	museumsmedien
R1.5	R1	R0.1, R1.1, R1.5		Publish from file	<i>Prerequisite: you have uploaded and configured the mapping of events from your local system to HarmoSearch</i> - Log in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Publish on social network' as operation - uncheck 'Filter manually' checkbox - select the file 'euromuse_Architektur.xml' as data file (available in the test folder) - your social network's target (one or more) as recipient - 'Event' as domain	As alternative files you can use 'euromuse_Wir_essen_Reis.xml' or 'euromuse_2_events.xml'	In 'Operation Status' the publish operation is reported as completed.  An email is sent that informs on the success of the operation.	O	Promoter		-	museumsmedien
R1.6	R1	R0.1, R1.1, R1.5		Publish from file with wrong file format	<i>Prerequisite : you have uploaded and configured the mapping of events from your local system to HarmoSearch</i> - Log in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Publish on social network' as operation - uncheck 'Filter manually' checkbox - select the file 'harmonise_to_push_reduced.xml' as data file (available in the test folder) - your social network's target (one or more) as recipient (*) - 'Event' as domain	* don't select 'HarmoSearch event' or 'HarmoSearch status', but only 'Facebook my event', 'Facebook my status', 'Twitter my status'	The screen message and the 'Operation Status' report the failure of the operation, with error message 'Error in data mapping: Input file is incompatible with the mapping file.'	O	Promoter		-	museumsmedien

						9/11/12			12/11/12		
Id	Parent	Sequence	Action			Comment (and alternatives)	Expected Output	9/11/12	Who	Actual Result	
				Name	Description					12/11/12	Who
R1.7	R1	R0.1, R0.3, R1.1, R1.7,		Scheduled publish	<a href="#">Publish from file with manual filter (see **)</a>	<i>** use the file 'euromuse_2_events.xml' as data file and keep the 'Filter manually' checkbox checked</i>	There are some items listed in 'Exchange Data' -> 'Confirm publishing'	<div><div></div></div>	Promoter		
R1.8	R1	R0.1, R0.3, R1.1, R1.7, R1.8, R1.9		Remove permission for publishing	<i><u>Prerequisite</u> : you have given permission to publish on some social network, and there are items ready to publish within 'Exchange Data' -&gt; 'Confirm publishing'</i>  - go on Configurations -> Social Networks click on 'remove permissions' for one of the social networks where you have given permission before		The button for giving permission is again available.	<div><div></div></div>	Promoter		
R1.9	R1	R0.1, R0.3, R1.1, R1.7, R1.8, R1.9		Confirm publishing without permission	<i><u>Prerequisite</u> : you have removed permission to publish on social networks on your behalf, and there are items ready to publish within 'Exchange Data' -&gt; 'Confirm publishing'</i>  go on 'Exchange Data' -> 'Confirm publishing' select one or more of the events in the list click on 'Publish selected items'		An error message is shown: 'The items below could not be published. Please see the error details here.' 'Operation Status' reports an error of missing configuration to publish on social networks. An email notification is sent to the user that informs about the error.  The items that could not be published due to the error, are still available in the 'Confirm publishing' page for a later try.	<div><div></div></div>	Promoter		

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
R1.10	R1			Content of the social networks configuration page	<p>Social networks configuration page allows to give permission to HarmoSearch to publish events on some social network on the user's behalf.</p> <p>Overall structure of page + Blocks included in the page.</p>	Describe in the test partition improvements if necessary							

							9/11/12			12/11/12		
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	Who	Actual Result	Who	Actual Result	
R1.11	R1			Content of the pages for defining the publishing (scheduler, share data)	Scheduler' and 'Share Data' pages allow to specify which events to publish, where and when to publish. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R1.12	R1			Content of the page for filtering and confirming the publishing	Confirm publishing' page allows to check and filter the events that are ready to be published. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R1.13	R1			Documentation of the pages: 'Social Networks', 'Scheduler', 'Share data', 'Confirm publishing'	Link to the documentation	Describe in the test partition improvements if necessary						
R2			Services	External Services	Harmonise users provide online services that can be included in the HarmoSearch processes							

Id	Parent	Sequence	Action	Comment			9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
				Name	Description	(and alternatives)						
R2.1	R2	R0.4, R2.1	Exchange: External Service	User registers a new service that is open to all	Log in as testuser (username is the email you set), with password 'testuser' - go on 'External Services' -> 'Manage Services' - register a new service on the 'Add Workflow Service' panel, with fields: - name: 'Test Filter' - description: 'Filters out some services' - keep 'Authorization required' unchecked - access URL: <a href="http://harmosearchdev.harmonet.org/ExternalService-portlet/testService">http://harmosearchdev.harmonet.org/ExternalService-portlet/testService</a> - click on 'Set'		O	Promoter		O	mussumsmedien	o.k.
R2.2	R2	R0.4, R2.1, R2.2		Add users to service	Logged as testuser - go on 'External Services' -> 'Service Policies' - within the panel on the left (Add service policy) - choose 'Test Filter' - select your organization as 'Authorized users' - do not insert any terms of use - click on the button		O	Promoter		O	mussumsmedien	Workflow service now authorized
R2.3	R2	R0.1, R2.1, R2.2, R2.3		Use external service that is unavailable	<u>Prerequisite</u> : You have uploaded the mapping from your system to Harmonise ontology  logged in with your account, go on 'Exchange Data' -> 'Share Data' - select 'Push' as operation - choose 'euromuse_2_events.xml' as data file (available from test folder) - 'euromuse' as recipient - 'Event' as domain - Include 'Test Service' (click on Add button)		O	Promoter		O	mussumsmedien	Error in external service. Service is not available: <a href="http://harmosearchdev.harmonet.org/ExternalService-portlet/testService">http://harmosearchdev.harmonet.org/ExternalService-portlet/testService</a>
R2.4	R2	R0.4, R2.1, R2.2		Remove users from service	Logged as testuser - go on 'External Services' -> 'Service Policies' - click on 'Delete' on the row that has your organization as 'Authorized users'		O	Promoter		O	mussumsmedien	ok

Id	Parent	Sequence	Action				9/11/12			12/11/12			
				Name	Description	Comment (and alternatives)	Expected Output	Who	Actual Result	Who	Actual Result		
R2.5	R2	R0.4, R2.1, R2.2, R2.5		Modify service	Log in as testuser (username is the email you set), with password 'testuser'  - go on 'External Services' -> 'Manage Services' - click 'Modify' on 'Test Filter' - update the access URL with: http://harmosearchdev.harmonet.org/ExternalService-portlet/permEvents - check 'Authorization requested' checkbox click on 'Save'		The service is now updated in the workflow services list. (There are no more authorized users).	O	Promoter		O	musumsmedien	ok
R2.6	R2	R0.4, R2.1, R2.5, R2.6		Subscribe to service	log in with your account go on 'External Services' -> 'Subscribe to Service' click on 'subscribe' for the 'Test Filter' service you are free to insert the terms of use that you want		Status of the service is 'REQUESTED'.  An email is sent to the email address that you have set for 'testuser', saying that a user requested the subscription to the service.	O	Promoter		O	musumsmedien	ok

							9/11/12			12/11/12		
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	Who	Actual Result	Who	Actual Result	
								Who	Actual Result	Who	Actual Result	
R2.7	R2	R0.4, R2.1, R2.5, R2.6, R2.7		Deny subscription to service	Log in as testuser (username is the email you set), with password 'testuser' - go on 'External Services' -> 'Manage Services' - click on 'Deny' on the subscription request of your user (on the Workflow Requested Service Panel)		An email is sent to the email address that you have set for your account, saying that the request for subscription was denied.  If you log in with your account, in 'Subscribe to Service' the service is in 'Denied' status, and the service remains not available in the dropdown list on the import, push and scheduler pages.	Promoter		ok		
R2.8	R2	R0.4, R2.1, R2.3, R2.8		Subscribe to service with terms of use	log in with your account go on 'External Services' -> 'Subscribe to Service' click on 'subscribe' for the 'Test Filter' service insert 20 as 'Max number of times'		Status of the service is 'REQUESTED'.  An email is sent to the email address that you have set for 'testuser', saying that a user requested the subscription to the service.	Promoter		ok		

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
R2.9	R2	R2.11		Accept subscription to service changing terms of use	Log in as testuser (username is the email you set), with password 'testuser' - go on 'External Services' -> 'Manage Services' - click on 'Modify' on the subscription request of your user (on the Workflow Requested Service Panel) - assign permission to use the service only once ('max number of times'=1), within a date interval that includes the current date		An email is sent to the email address that you have set for your account, saying that the request for subscription was accepted.  If you log in with your account, in 'Subscribe to Service' the service is in 'Authorized' status, the terms of use are updated, and the service is now available in the dropdown list on the import, push and scheduler pages.	0	Promoter		0	museumsmedien	ok
R2.10	R2	R2.11		Include external service in scheduled import without permission	Prerequisite: You have uploaded the mapping from Harmonise ontology to your system  - log in with your account - go on 'Exchange Data' -> 'Scheduler' - select 'Import Data' as operation - select 'euromuse' as recipient - 'exhibition ancient world' as category - include 'Test Filter' as external service (click on 'Add' button) - choose a time schedule (*) - click on 'Schedule task' - Do an import using the external service (next test case, R2.11)	* <i>choose a time schedule that gives you the time to do the next test case (R2.11) before this scheduled task is executed</i>	Operation Status' and email notification report about the failure due to missing authorization to use the external service (only one use was allowed).  'Test Service' is no more available in the dropdown list of the import, push and scheduler pages.	0	Promoter		0	museumsmedien	ok
R2.11	R2	R2.11		Use external service in import	<u>Prerequisite:</u> You have uploaded the mappings from Harmonise ontology to your system  - log in with your account - go on 'Exchange Data' -> 'Import Data' - select 'euromuse' as data provider - 'exhibition ancient world' as category - include 'Test Filter' as external service (click on 'Add' button) - click on 'Search'	At the end of this test, wait until the scheduled task of R2.10 is executed and check the outcome.	Screen message and 'Operation Status' report success of the import.  In 'Subscribe to Service' the 'max number of times' is updated to 0.  In the Scheduler page, the 'Test Service' is no more available among the External	0	Promoter		0	museumsmedien	ok

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
R2.12	R2	R.11, R2.12		Update access control policy for external service	<p>Prerequisite: do not executed this operation before the scheduled task in R2.10 is done</p> <p>Log in as testuser (username is the emai you set), with password 'testuser'</p> <ul style="list-style-type: none"> <li>- go on 'External Services'-&gt;'Service Policies'</li> <li>- click 'Modify' in the row that refers to 'Test Filter' and to your organization</li> <li>- do not restrict the terms of use with any date nor number of times to use the service</li> </ul>	<p><i>Alternative:</i></p> <ul style="list-style-type: none"> <li>- on the panel on the left (Add service policy) do:</li> <li>- select 'Test Filter'</li> <li>- select your organization as 'Authorized users'</li> <li>- do not restrict the terms of use with any date nor number of times to use the service</li> <li>- click on the button for</li> </ul>	Your organization is listed among the authorized users. When you log in with your account, the service is again available in the dropdown list on the import, push and scheduler pages.	O	Promoter		O	musumsmedien	ok
R2.13	R2	R2.12, R2.13		Use external service in push	<p><i>Prerequisite: You have uploaded the mapping from local system to Harmonise ontology, and you have subscribed to the service 'Event fields filter'</i></p> <ul style="list-style-type: none"> <li>- log in with your account</li> <li>- go on 'Exchange Data'-&gt;'Share Data'</li> <li>- select 'Push Data' as operation</li> <li>- select 'euromuse_Wir_essen_Reis.xml' as data file (available from test folder)</li> <li>- select 'test' as recipient</li> <li>- 'Event' as sudomain</li> <li>- include 'Event fields filter' as external service (click on 'Add' button)</li> <li>- click on 'Send'</li> </ul>		Screen message and 'Operation Status' report success of the push. Logging in as 'testuser', the file in inbox looks like 'push_Wir_essen_Reis_filtred.xml' in the results test folder (only id, title, date and location are taken). If you did the same operation without the external service, the result would be like 'push_Wir_essen_Reis.xml'.	O	Promoter		O	musumsmedien	ok
R2.14	R2	R2.12, R2.14		Use external service in publish	<p><i>Prerequisite: You have uploaded the mapping from local system to Harmonise ontology, and you have authorization to use the 'Test filter' external service</i></p> <ul style="list-style-type: none"> <li>- log in with your account</li> <li>- go on 'Exchange Data'-&gt;'Share Data'</li> <li>- select 'Publish on social network' as operation</li> <li>- keep 'Filter manually' checked</li> <li>- select 'euromuse_2_events.xml' as data file (available from test folder)</li> <li>- select your social network's target (one or more) as recipient</li> <li>- 'Event' as sudomain</li> <li>- include 'Test Filter' as external service (click on 'Add' button)</li> </ul>		Operation Status' reports that the operation is suspended awaiting confirmation. Only one of the two events from the source file are listed in the page 'Exchange Data' -> 'Confirm publishing' (the external service filtered out only the one that is a permanent exhibition) .	O	Promoter		O	musumsmedien	ok
R2.15	R2	R0.4, R2.1,		Delete external service	<p>Logged in as 'testuser'</p> <ul style="list-style-type: none"> <li>- go on 'External Services' -&gt; 'Manage Services'</li> <li>- click 'Delete' on the 'Test Filter' service</li> </ul>		The service is no more listed in the workflow services panel.	O	Promoter		O	musumsme	ok

Id	Parent	Sequence	Action				9/11/12			12/11/12		
				Name	Description	Comment (and alternatives)		Who	Actual Result		Who	Actual Result
R2.16	R2			Content of the page for managing services	Manage Services' page allows to register external services, to modify them, and to accept or deny subscription requests. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R2.17	R2			Content of the page for subscribing to services	Subscribe to Service' page allows to view the subscription status of all services and to do new subscriptions. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R2.18	R2			Content of the page for managing service policies	Service Policies' page allows to manage the policies related to the services that the logged user is providing. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R2.19	R2			Content of the pages that use external services (share data, import, scheduler)	share data, import, scheduler pages allow to include the external services in the given operation. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R2.20	R2			Documentation of the pages: 'Social Networks', 'Scheduler', 'Share data', 'Confirm publishing'	Link to the documentation	Describe in the test partition improvements if necessary						
R3				Push Data	A user pushes a data file to some other HarmoSearch organization							
R3.1	R3	R0.1, R3.1	Exchange: Push.Data	Push data and bypass mapping	<u>Prerequisite</u> : You have uploaded the mapping from your system to Harmonise ontology  logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Push Data' as operation - choose 'harmonise_to_push_reduced.xml' as data file (from the test folder) - 'test' as recipient - 'Event' as subdomain - check 'Exclude data mapping' checkbox		O	Promoter	Operation Status' reports the success of the operation. It you tried the same steps without bypassing the mapping an error would be raised, because the file sent is not in Euromuse format. Furthermore, if you log in as 'testuser', the file that is in the inbox is exactly the same as the one you sent.	O	museumsmedien	Operation IN PROGRESS. You will receive an email notification. To view the status and results go here

							9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output					
R3.2	R3			Push through form	logged in with your account - go on 'Exchange Data' -> 'Upload Data' - select 'Push Data' as operation - insert the event fields - select 'test' as recipient	You can also select 'Publish on social network' as alternative operation	Screen message and 'Operation Status' report the success of the operation. Testuser receives an email and a file is sent to its inbox.	O	Promoter		O	ok
R3.3	R3			Push through Excel file	logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Push Data' as operation - choose 'push_Excel_2003.xsl' as data file (from the test folder) - 'test' as recipient - 'Event' as subdomain click 'Send'	You can also select 'Publish on social network' as alternative operation	Screen message and 'Operation Status' report the success of the operation. Testuser receives an email and a file is sent to its inbox.	O	Promoter		O	ok
R3.4	R3			Push through Excel file with wrong template	logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Push Data' as operation - choose 'wrong_template_Excel_2003.xsl' as data file (from the test folder) - 'test' as recipient - 'Event' as subdomain click 'Send'	You can also select 'Publish on social network' as alternative operation	Error message: "Excel file may be corrupted. Please check if the right template was used."	O	Promoter		O	Excel file may be corrupted. Please check if the right template was used.
R3.5	R3			Content of the page for sending data through files (excel or xml)	Share Data' page allows to push data either through xml or excel files. It contains files, menus, buttons.	Describe in the test partition improvements if necessary						

Id	Parent	Sequence	Action				9/11/12			12/11/12		
				Name	Description	Comment (and alternatives)	Expected Output	Who	Actual Result	Who	Actual Result	
R3.6	R3			Content of the page for sending data through a form	Upload Data' page allows to push data inserting it directly in the GUI. It contains fields, menus, buttons.	Describe in the test partition improvements if necessary						
R3.7	R3			Documentation of the pages: 'Share Data' and 'Upload Data'	Link to the documentation	Describe in the test partition improvements if necessary						
R4			Store	Multiple Mapping	A user can upload multiple mappings and use the collection identifier to specify when to use which mapping							

							9/11/12			12/11/12			
Id	Parent	Sequence	Action					Who	Actual Result		Who	Actual Result	
				Name	Description	Comment (and alternatives)							Expected Output
R4.1	R4	R4.1, R4.2	Configuration:Mapping	Upload mapping from local system to Harmonise ontology without specifying when to use the mapping	logged in with your account, go on 'Configurations' -> 'Mappings Store' - insert 'events' (or any other name) as collection id - choose 'Upload mapping from local system to Harmonise ontology' - select the mapping from local system to Harmonise ontology (choose the file available in the test folder as 'Euromuse_HTO.xslt') - click on 'Send' and check for the success message on top of the page		Uploaded file is available in the mappings list on the bottom. In 'Configurations' -> 'Exchange Data Service' there is no value for 'Collection Id' for sending data from the 'Event' subdomain.	<div><div></div></div>	Promoter		<div><div></div></div>	Museumsmedien	Mapping file successfully uploaded

Id	Parent	Sequence	Action	Comment			9/11/12	11/11/12		12/11/12	11/11/12	
				Name	Description	(and alternatives)		Who	Actual Result		Who	Actual Result
R4.2	R4	R4.1, R4.2		Push Data with incomplete mapping configuration (mapping available but not specified when to use it)	log in with your account - go on 'Exchange Data'-'>'Share Data' - select 'Push Data' as operation - select 'euromuse_2_events.xml' (or 'euromuse_to_push.xml') as data file (available from test folder) - select 'test' as recipient - 'Events' as subdomain - click on 'Send'		O	Promoter		x	mussumsmedien	Operation IN PROGRESS. You will receive an email notification. To view the status and results go here
R4.3	R4	R4.1, R4.3, R4.4		Specify the mapping to use when sending data through the collection identifier	go on 'Configurations' -> 'Exchange Data Service' - click 'modify' on 'send data' for 'Event' subdomain - select 'events' (or the name you have chosen when uploading the mapping file) as collection id		O	Promoter		O	mussumsmedien	ok
R4.4	R4	R4.1, R4.3, R4.4		Push Data	<a href="#">Push Data</a>		O	Promoter		O	mussumsmedien	Operation IN PROGRESS. You will receive an email notification. To view the status and results go here
R4.5	R4	R4.5, R5.5		Upload mapping from Harmonise ontology to local system for accommodations	go on 'Configurations' -> 'Mappings Store' - insert 'acco' (or any other name) as collection id - choose 'Upload mapping from Harmonise ontology to local system' - select the mapping from Harmonise ontology to local system (choose the file available in the test folder as 'identity.xslt') - check the box 'set default for receiving accommodations' - click on 'Send' and check for the success message on top of the page		O	Promoter		O	mussumsmedien	Mapping file successfully uploaded

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
R4.6	R4	R4.5, R5.5		Import accommodations	go on 'Exchange Data'-'>'Import Data' - select 'Accommodation' as subdomain - 'b&b' as type - 'biella' as data provider - click on 'Search'		Operation Status' reports about the success of the operation. In 'Data Repository' -> 'Querybox' the file with the accommodations from biella is available with 10 accommodation results (it looks like the file 'accommodation_results.xml' in the test folder).	0	Promoter		0	museumsmedien	Operation IN PROGRESS. You will receive an email notification. To view the status and results go here
R4.7	R4			Content of the pages for uploading and configuring the mappings	Mapping Store' and 'Exchange Data Service' pages allow to define which mapping to use and in association to which collection of data. Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary							
R4.8	R4			Documentation of the pages: 'Mapping Store' and 'Exchange Data Service'	Link to the documentation	Describe in the test partition improvements if necessary							
R5			Exchange:Accommodations										
R5.1	R5			Metasearch of accommodations	go on 'Metasearch' - select 'Accommodation' as subdomain - 'guesthouse' as type - 'tv room' as facility - click 'Search'		7 results are given	0	Promoter		0	museumsmed	7 results
R5.2	R5	R5.2, R5.3		Upload mapping for receiving accommodations	<a href="#">Upload mapping for receiving accommodations</a>			0	Promoter		?	museumsmed	? Same test as above???
R5.3	R5	R5.2, R5.3		Import accommodations	<a href="#">Import accommodations</a>			0	Promoter		?	museumsme	

							9/11/12			12/11/12			
Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
R5.4	R5			lookup, through registry, of data providers that have accommodati	go in 'Configurations' -> 'Query Service' - insert the query 'SQ7_any_accommodation.xml' from the test folder in the form 'Query to Provider Test' - click 'Check Provider'		Biella is returned as data provider for accommodations	O	Promoter		O	museumsmedien	Biella
R5.5	R5	R5.2, R5.5		Import of accommodati ons through Web Service	<i>Prerequisite : you have configured the mapping for receiving accommodations</i>  perform an import with 'simpleSearch' method using your organization's name as sender, 'biella' as receiver, 'Accommodation' as subdomain, 'guesthouse' as type and 'restaurant' as facility	To be tested using Oxygen or XMLSpy or similar. WSDL: <a href="http://harmosearchdev.harmonet.org/WebAccessPortal-portlet/DataExchangeManager?wsdl">http://harmosearchdev.harmonet.org/WebAccessPortal-portlet/DataExchangeManager?wsdl</a>  Documentation: 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasearch engine	Two strings are returned. The first says 'Operation completed successfully on: biella.' and the second is a link to the imported file available on the Data Repository.  'Operation Status' reports about the successful completion and links to the 'Querybox', where the result file is available (check the timestamp).	O	Promoter		O	museumsmedien	ok
R5.6	R5			Content of the pages for searching and importing accommodati ons	Metasearch' and 'Import Data' (and 'Scheduler') pages allow to retrieve data on accommodations. They contain fileds, menus, buttons.	Describe in the test partition improvements if necessary							

							9/11/12			12/11/12			
Id	Parent	Sequence	Action			Comment	Expected Output	9/11/12	Who	Actual Result	12/11/12	Who	Actual Result
				Name	Description	(and alternatives)							
R5.7	R5			Documentatio n of the pages: 'Metasearch' and 'Import Data' (and 'Scheduler') (with respect to the accommodati	Link to the documentation	Describe in the test partition improvements if necessary							
R5.8	R5			Documentatio n of the Webservices	See 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasearch engine	Describe in the test partition improvements if necessary							
R6			Configuration:Home										
R6.1	R6			Take overview of configuration	logged in with your account go on 'Home' check the status of the services	The expected outcome describes what should be present in the home at the end of all tests	* 'Share Data' is active, with 'event mapping' configured, but 'accommodation mapping' not. * 'Scheduled Share' is active, with 'event mapping' configured, but 'accommodation mapping' not. * 'Import Data' and 'Receive Data' is active, with 'accommodation mapping' configured. * 'Receive Queries' is active with 'Query mappings' available and 'Query Service'	O	Promoter		O	museumsmedien	ok

Id	Parent	Sequence	Action				9/11/12			12/11/12		
				Name	Description	Comment (and alternatives)	Expected Output	Who	Actual Result	Who	Actual Result	
R6.2	R6			Content of home page (after login)	Home page has text, profile access, logout,menus... Overall structure of page + Blocks included in the page.	Describe in the test partition improvements if necessary						
R6.3	R6			Documentation of the home page	Link to the documentation	Describe in the test partition improvements if necessary						
R6.4	R6			Content of home page (without login)	Home page has text, a sign in access on the right a a home menu when no login is performed	Describe in the test partition improvements if necessary						

	R0	Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result		
	R0.0	X	G	K	CAN BE BLOCKING : 1st connexion : clicking the "validate" button doesn't work on Firefox 16 on the "security question" screen. I had to use "enter" key		w	Inés	_euromuse screen name already taken?! _Activation requires email to claudio		o	Adriano	To be improved the menu bar on the top by removing private pages (Go to menu item). Add to portal-ext.properties the following: layout.user.private.layout.s.enabled=false layout.user.public.layouts.enabled=false breadcrumb.show.guest.group=false		w	G	K		X	T	M	_registration worked as expected _registration mail received immediatelly after completing the registration _activation mail received after contacting Marlis _minor issue: received a (404) Page not found error when clicking on my profile (upper right corner)
	R0.1	w	G	K	Not blocking : 1) "collection id" is a required field, it would need some kind of hint, help (button, section, mouse over tooltip...) as user doesn't understand what this id is about 2) File is present in the list, but only "collection id" lets us understand it is the same one. We could use an information like the submission date here to get an idea, or uploader maybe, as the file is renamed compared to the local file imported 3) The download button opens XML data in the same browser tab. This is disturbing and compels user to go		o	Inés	_security question, when "write my own" the save button does not respond to mouse click, has to be activated with ctrl.	nonresponse.png	o	adriano	ok		o	G	K	Before doing this, I deleted all the uploaded files except the one with collection id "Acco" then done, named "events2"	o	T	M	_file listed as 20001_#events_so.xslt _success message received accordingly
	R0.2	o	G	K	With same comments as above (not blocking, remarks)		o	Inés			w	adriano	ok, but why "events" and "accommodations" are bold ?		o	G	K		o	T	M	_file listed as 20001_#events_os.xslt _success message received accordingly

Id	13/11/12		Actual Result	Output (Screen)	16/11/12		Actual Result	Output (Screen)	17/11/12		Actual Result	Output (Screen)	19/11/12		Actual Result	19/11/12	Who	Actual Result
	Who	Who			Who	Who			Who	Who			Who	Who				
R0.3	W	G	0) Generally speaking, this section looks quite unclear, this needs user who really know what they're doing. Help would be nice 1) "No whitespaces!" => this is not indicated on the page. Is it blocking ? Plus it is possible to create a provider id with whitespace (if problematic, then whitespace presence should result in an error) 2) Mapping Collection Identifier => shouldn't this be a drop down list ? we don't have the names of collection ids on the screen, we may not remember them all 3) Can't check if this worked : "click 'Edit Data Description' and select 'Events with location and category' from the drop-down list on the top click on 'Save Changes'" Only xml description (not 1st field) is still present, don't see it anywhere else. Would be nice to have it on the dataprovider page with other info (where there is the edit button)	20121113_GK_Space-in-data-provider.png	O	Inés	_ add success message on top of the page, once the changes are saved _ move the delete option to the bottom of menu list		W	adriano	ok, but hide password (with *). Make the page: <a href="http://harmosearchdev.harmonet.org/configurations">http://harmosearchdev.harmonet.org/configurations</a> as a link to the first menu item for example. Also the other tolevel menu items		O	G		O	T	_ worked fine for me  _ remarks: may be overwhelming for novice users since the procedure is not very intuitive. Additional feedback, e.g., when saving data or a short text describing the tasks (?) may be helpful
R0.4	O	G			O	Inés			O	adriano	ok			G		O	T	
R0.5	W	G	1) User has to guess he must click on the button. An help sentence would help understanding action can be performed here		O	Inés			O	adriano			-	G	already subscribed, no restriction	O	T	

Id	13/11/12			Output (Screen)	16/11/12			Output (Screen)	17/11/12			Output (Screen)	19/11/12			Output (Screen)	19/11/12		
	Who	Actual Result			Who	Actual Result			Who	Actual Result			Who	Actual Result			Who	Actual Result	
R0.6	<div><div></div></div> G K	Same comment as before on files list			<div><div></div></div> Inés				<div><div></div></div> adriano	ok			<div><div></div></div> G K				<div><div></div></div> T M	_received message _files werelisted accordingly (20001_#events_query_enum_os.xslt, 20001_#events_query_os.xslt) _minor: in my first attempt i did not enter the collection id. I received an error message (GOOD!) but had to browse to the file again. It would be more convenient the data will not be lost when receiving an error.	
R0.7	<div><div></div></div> G K				<div><div></div></div> Inés				<div><div></div></div> Inés				<div><div></div></div> G K				<div><div></div></div> T M		
R0.8	<div><div></div></div> G K	EITHER NOT APPLICABLE, OR A TEST CASE IS MISSING Is this applicable ? I've been to this section to check presence of the service in the dropdown list, but i didn't scheduled anything.(list is empty) Edit : my mistake, i did it before end of tests			<div><div></div></div> Inés				<div><div></div></div> Inés				<div><div></div></div> G K	Some confirmation popup would be nice, we can delete by mistake			<div><div></div></div> T M	_no confirmation is rquired --> delete by accident may occur _ nice to have: a delete all button	

Id	13/11/12	Who	Actual Result	Output (Screen	16/11/12	Who	Actual Result	Output (Screen	17/11/12	Who	Actual Result	Output (Screen	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R0.9	W	G K	NOT BLOCKING, suggestions : 1) followed the reset password process. I was asked to provide a password (Old ? New ?) while writing the Captcha, and asked again to give the new password twice (which is logical) from the link found in the mail. The 1st password field is a bit confusing 2) Account creation form : we miss the button to reload the captcha, as sometimes it becomes unreadable, we have to reload the page/ submit a wrong one. 3) When validating an incorrect / incomplete account creation form, the company field selected content is lost when the page is reloaded 4) When on the confirmation page before account activation, a message displays "... not active yet, please contact the administrator for more help". In this message we miss a link to send a mail to the administrator, or a contact form. If we don't want to provide such a link, then the message should be changed for something as in the mail : "You will receive a notification as soon as the account will be activated." (not "please contact...")			Inés			O	Adriano				G K				
R0.10	X		Link is missing (not applicable test ?) Generally speaking, the service lacks contextual help (message, tooltips on mouse over...) User can't find any link to Doc, Wiki, Help or FAQ		W	Inés	_no documentation		x	Adriano	I think a help page telling what to do for registering (all what we did till now, like upload mapping, query mapping, subscribe) is needed					X	T M	_i like the success and error messages very much. Good work on that! However, some procedures are quite complicated and additional information (short description) may be helpful
R0.11	W		1) When changing the user mail, no mail was received on the new email added. A confirmation mail would be nice 2) for security reasons, some changes such as a new mail could require confirmation of the user identity by asking the password again (nice to have)			Inés			O	Adriano	for me is fine					O	T M	_intuitive and common procedure

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R0.12			Same comment as for R0.10			Inés			x	Adriano						W	T	_did not found a help page or link but I do not think ist really necessary since changing data in the profile is straight forward and intuitive. However, a hover-text may be helpful for novice users
R1						Inés												
R1.1	X	G	BLOCKING from user point of view : 1) Facebook permission, using Firefox 16 : Once process is completed, I still see the "give permission button", not the "delete" one. Yet, the Harmosearch application is present in my account. deleted the app, tried again, same issue	20121113_GK_facebook-permissions-request.png	w	Inés	_i actually granted permission to post on the euromuse page... _but it connects only with the personal timeline not with the page _When I login to my facebook (page or personal) i cannot see the harmosearch app _email notifications as expected		o	Adriano			X	G	StillBLOCKING from user point of view : 1) Facebook permission, using Firefox 16 : Once process is completed, I still see the "give permission button", not the "delete" one. Yet, the Harmosearch application is present in my account. deleted the app, tried again, same issue	O	T	_worked fine
R1.2	X	G	BLOCKING (pending confirmation I did it properly) 1) received the notification mail with failure message : "Failed on Afidium: Missing mapping for the query structure from Harmonise Ontology to Afidium."	20121113_GK_R1-2_social-publish-failure.pdf	o	Inés			o	Adriano	GREAT!		O	G	Ok, probably forgot to upload the 2nd file in 0.6 for previous tests	O	T	_first received an error message that no query mapping has been uploaded _uploaded the missing mapping file now it works fine _great feature! I also like the way the data is collected

Id	13/11/12	Who	Actual Result	Output (Screen	16/11/12	Who	Actual Result	Output (Screen	17/11/12	Who	Actual Result	Output (Screen	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R1.3		G K	not applicable as previous failed			Inés	_yep, it comes out, unfortunately in the wrong timeline	face_alt.png		Adriano	But events for approving are shown in one page or it is paginated ? What if the number is very large ?			G K	Ok, probably forgot to upload the 2nd file in 0.6 for previous tests		T M	
R1.4		G K	pending  NOT BLOCKING : It would be nice to be able to edit & duplicate scheduled operation instead of having to delete & start from scratch			Inés				Adriano				G K			T M	
R1.5		G K				Inés				Adriano				G K			T M	
R1.6		G K				Inés				Adriano	ok			G K			T M	_also received a corresponding email

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R1.7	X	GK	I can't upload file in the "scheduler" page. Is this a mistake and should we use "Share" menu instead with the mentioned file ? If so then the task is OK. I did it, with checked "filter manually", and it worked (sucess + present in confirmation list)		O	Inés	_ok, it is a bit confusing with all the submenus... we have to think of a solution about maybe fusioning the scheduled operations in the confirm publishing or sth...		O	Adriano	ok, under the share menu items. I also think is a little bit confusing the menu structure		W	GK	Should be share instead of scheduler (mistake in test description)	O	TM	
R1.8	X	GK	BLOCKING using Firefox 16  1) Facebook : As said before, permission was given but button "give" was never replaced by "remove". User has to go to Facebook and manually remove the app  NOT BLOCKING		O	Inés			O	Adriano			X	GK	Still BLOCKING using Firefox 16  1) Facebook : As said before, permission was given but button "give" was never replaced by "remove". User has to go to Facebook and manually remove the app	O	TM	
R1.9	O	GK	error displayed after removing permission, even if the app is still on the twitter account		O	Inés	_why in the error log in operation status it the result listed twice?	double_error.png	O	Adriano				GK		O	TM	

Id	13/11/12		Output (Screen)	16/11/12		Output (Screen)	17/11/12		Output (Screen)	19/11/12		Output (Screen)	19/11/12	
	Who	Actual Result		Who	Actual Result		Who	Actual Result		Who	Actual Result		Who	Actual Result
R1.10	W	G K NOT BLOCKING (apart from Facebook issue already mentioned) 1) On facebook, asking for so many permissions on the account can be frightening for the user. Maybe the need can be defined more precisely so we ask for fewer permissions 2) On twitter : access is OK, present in my twitter account, but we only know there is permission on the harmosearch page. We should display info such as avatar & pseudo so user knows which account he linked 3) What about adding several accounts ? usefull for twitter as well as facebook 4) PERMISSION REMOVAL, tested on Twitter : seems OK on Harmosearch side, but the application wasn't removed from my twitter account. Publication then fails in the next test so it's not blocking. Is the app expected to remain on the account ? this is not clear on the user point of view (seems like a bad marketing trick for those who looks in details)		w	Inés _facebook has two types of pages, private personal profiles, and pages profiles. One user can be admin of a corporate page, and at the same time have a private page _the harmosearch app should be able to give the user the possibility to separte this in the configuration menu. See twitterfeed.png _once the permission have ben granted, there is no way to see details or statuses in this config page... I recommend you to make an account in tweeterfeed and take a look around at the possibilities (you can use this rss to test configurations: <a href="http://www.euromuse.net/index.php?id=181&amp;">http://www.euromuse.net/index.php?id=181&amp;</a>	twitterfeed.png	w	Adriano too many permission requests, I agree. Possibility to post on a corporate page.		G K			w	T M _in total fine with me _agree with GK that multiple accounts may make sense _same experience as Inés: HarmoSearch app has not been removed from my twitter account

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R1.11	W	GK	For network selection, It could be easier and nicer to have pictures (network logo + avatar) as checkbox instead of the list. It also avoids the necessity to use mouse + keyboard to select multiple profiles. See example from Tweetdeck, same is also on hootsuite and other profiles tools it also feels like a more personal experience	20121113_GK_Social-account-selection-proposal.png	W	Inés	_see comment on line 23 _we had spoken of filtering out events, I figured this in the scheduler. I want actually to schedule facebook status updates with euormuse crawler... from the feed that the crawler gives back, there is too many items... The scheduler date range form is a dropdown with 1-31. This has not been tested. Dies it mean, it is every first day of the month? that i update my status? or that i search for new data? (see filter_social.png)	tweet_quality.png	W	Adriano	The published event should have a link to the detail page of the event			GK			TM	
R1.12	W	GK	Visual hint on which come from scheduling and which come from sharing could be nice Also, pictures instead of network names would make table clearer			Inés				Adriano	Pagination if there are too many ?			GK			TM	
R1.13	-	GK	no doc found		-	Inés	still missing, or not well linked, for not found		-	Adriano	not found			GK			TM	
R2																	TM	

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R2.1	O	G K			O	Inés	_on the right, yes		O	adriano			W	G K	missing in test grid : this was required for 2.10,11,12,13	O	T M	_worked fine _typo in the result: left != right
R2.2	O	G K			O	Inés			O	adriano			W	G K	missing in test grid : this was required for 2.10,11,12,13	O	T M	
R2.3	O	G K			W	Inés	_my account is euromuse... so i chose cpr and it send it ok.		O	adriano				G K		O	T M	_error message was displayed _received notification mail
R2.4	O	G K			O	Inés			O	adriano				G K		O	T M	

Id	13/11/12	Who	Actual Result	Output (Screen	16/11/12	Who	Actual Result	Output (Screen	17/11/12	Who	Actual Result	Output (Screen	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R2.5	O	G K			O	Inés	I only modified the url, the name remains 'test filter', so from now on i will assume 'test service' is 'test filter'		O	adriano				G K		O	T M	
R2.6	O	G K			W	Inés	_terms of use is not a writable _email received at testuser email account ok		O	adriano	didn't set			G K		O	T M	_was not able to enter anything in the terms of use text-box

13/11/12			16/11/12			17/11/12			19/11/12			19/11/12			
Actual Result			Actual Result			Actual Result			Actual Result			Actual Result			
R2.7	O	G K		O	Inês		O	adriano		G K		O	T M		
			_expected results all ok but... _possibility as owner of external service to send some feedback to the applicant? e.g. reason for not being accepted to the applicant? _Here is an idea: when signing back with my account, I come from a very uninformative email, "so, I cannot suscribe...ok, but... why?", could I not have this being showed in the main page automatically, or a message, "your requested subscription to 'test filter' has been denied, please do not bother us again". _additionally maybe not tecnically, but a logically a mistake... as a refused applicant, I can suscribe the 'test filter' again and start a never ending										_mail received		
R2.8	O	G K		O	Inês		O	adriano		G K		O	T M		
			_just as info, last time the message landed in my inbox, this time in the spam...(test user email was a gmail address)												

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result
R2.9	O	G K			O	Inés	_ok now I understand why the 'test filter' is still available...		O	adriano				G K	
R2.10	O	G K			X	Inés	_date is a dropdown menu...? _i cannot choose the test filter servcie... only receive none as options!	<a href="http://www.euromuse.net/thorsten2/harmosearch/schedule_error.png">http://www.euromuse.net/thorsten2/harmosearch/schedule_error.png</a>	O	adriano				G K	
R2.11	O	G K			X	Inés	same as row 40		O	adriano				G K	_mail received _number was decreased successfully

Id		13/11/12		Who		Actual Result		Output (Screen)		16/11/12		Who		Actual Result		Output (Screen)		17/11/12		Who		Actual Result		Output (Screen)		19/11/12		Who		Actual Result			
R2.12		O		GK						O		Inés		_now it finally is! _please keep in mind wording, "share" in menu navigation 'exchange data', but "push" in the child page title				O		adriano						GK				- TM		_flawlessly i executed task R2.15 already	
R2.13		X		GK		BLOCKING : The file in the inbox is different. The file is the outbox is ok. Fil in the inbox is attached  NOT BLOCKING : File in inbox would be better if opened in another tab		20121113_Filepush_content_error.xml		X		Inés		_Failed on test: Error in data mapping from Harmonise Ontology to test: Cannot convert string "" to xs:decimal Please check the mapping file. _mapping file from local system to hto (spk_hto) is correct and uploaded, but there is no mapping hto_spk...				O		adriano		ok. Not obvious that one has to push the add button				O		GK		O TM		_Event fields filter was not listed; after requesting permission the external service was listed as described _ operation was successfull _ data looked as expected	
R2.14		O		GK						W		Inés		_actually the permanent exhibition was listed, and the temporary exhibition was filtered out...				X		adriano		two events are shown. Not possible to discard all the events from confirmation, you get the message "no item selected", but actually that what i wanted!				GK				- TM			
R2.15		O		GK						O		Inés						O		adriano						GK				O TM			

[illegible]

[illegible]

Id	13/11/12		Output (Screen)	16/11/12		Output (Screen)	17/11/12		Output (Screen)	19/11/12		Output (Screen)	19/11/12	
	Who	Actual Result		Who	Actual Result		Who	Actual Result		Who	Actual Result		Who	Actual Result
R3.6	G K	Here will be a good place to provide information (link to FAQ for common errors, best practices...		W Inés	_short description and long description is something very euromusely... the minimal requirement for euromuse is a long description . _suggestion, the short description box is to small (see pic long_short.png) _categories, too much, think about grouping exhibition categories into art, history, science and technology, mixed and others, and then offer if one chooses 'art' the possibility to choose more detailed categories (contemporary, modern, art history, european art, non-european...) I will provide a suggestion to tree down categories from 5 main types if this idea is interesting, it is already an issue for euormuse and i want to simplify them anyway. This	<a href="http://www.euromuse.net/thorsten2/harmosearch/divided-heaven.png">http://www.euromuse.net/thorsten2/harmosearch/divided-heaven.png</a>	W ouriano			G K			T M	
R3.7	- G K	No doc available		- Inés			- adriano			G K			T M	
R4													T M	

Id	13/11/12		Output (Screen)	16/11/12		Output (Screen)	17/11/12		Output (Screen)	19/11/12		Output (Screen)	19/11/12	
	Who	Actual Result		Who	Actual Result		Who	Actual Result		Who	Actual Result		Who	Actual Result
R4.1	X G K	THIS ISNT TRUE : "In 'Configurations' -> 'Exchange Data Service' there is no value for 'Collection Id' for sending data from the 'Event' subdomain." => I have "events" in this cell, this was uploaded earlier in tests. It means the document hasn't been overwritten		x Inès	_I had from other row another collection Id, but I deleted this mapping and uploaded. and is still available here (collection id 20121114)		x adriano	not sure what happened. I see 19907_#events_so.xslt (from local to hto) . It is the new one ? No reference to the actual name		X G K	Same issue : THIS ISNT TRUE : "In 'Configurations' -> 'Exchange Data Service' there is no value for 'Collection Id' for sending data from the 'Event' subdomain." => I have "events" in this cell, this was uploaded earlier in tests. It means the document hasn't been overwritten to do the next tests, I had to delete the uploaded files for sending events, going to the service table, edit data sending (just validated so it was updated and whows no service. then did the upload again without checking the box and it was as expected		X T M	_file was uploaded successfully _collection id was still listed

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R4.2	x	GK	Failure as expected. Message was not the one expected : "Input file is incompatible with the mapping file. Please check."		w	Inés	_Missing or not configured data mapping from test to Harmonise Ontology		x	adriano	it worked succesfully ?		w	GK	Ok when I deleted uploaded mapping file and edited the sending data line in the table to refresh it, then uploaded again with unchecked "events" box	w	TM	_had to manually remove events from the uploaded mapping (even after deleting and uploading the local to HTO mapping again) - maybe I forgot to uncheck events ... _ after the modification it worked as expected _ mail received _ error message
R4.3	w	GK	Ok, but it was present already in the 2 previous steps		w	Inés	_expected result, but _the send data with collection id '20121114' was substituted		o	adriano				GK		o	TM	
R4.4	o	GK			o	Inés			o	adriano				GK		o	TM	
R4.5	o	GK			o	Inés			o	adriano				GK		o	TM	_file sent and available in the file list at the bottom _acco is present in the service configuration

[illegible]

Id	13/11/12	Who	Actual Result	Output (Screen)	16/11/12	Who	Actual Result	Output (Screen)	17/11/12	Who	Actual Result	Output (Screen)	19/11/12	Who	Actual Result	19/11/12	Who	Actual Result
R5.4	O	GK			x	Inés	_sq7 is not available, are there any prerequisite to performe this testcase other than uploading mapping for receiving accommodations?		o	adriano			GK		O	TM		
R5.5	W	GK	Don't have such xml editor (only simple ones) How do i perform such import from simple search ?		x	Inés	_in the import page i cannot define myself or biella as reciver, biella only as data provider		-	adriano			GK		X	TM	_was not able to fulfill the test case. I did the following: _going to Exchange Data-->Import Data did not provide me the fields described in the task description ...	
R5.6		GK			w	Inés	_'metasearch' is not connected with exchange data or the 'data repository'. There is no possibility to reuse the metasearch criteria in another subpage. E.g. I like the results I get on metasearch, a button allows me to store the retrieved data in metasearch in the querybox, or to export the query in xml format.		-	adriano			GK			TM		

[illegible]

Id	13/11/12			Output (Screen)	16/11/12			Output (Screen)	17/11/12			Output (Screen)	19/11/12			Output (Screen)	19/11/12		
	Who	Actual Result			Who	Actual Result			Who	Actual Result			Who	Actual Result					
R6.2	W	G	The top bar is confusing, the name at the top redirects to a 404 page The navigation tree present in each page is useless as the categories pages are empty. They should provide the list of subpages with links and description		W	Inés	_ the icons are not that self explanatory, the alt text are essential. _ menus and sub-menus are a bit confusing still, specially under exchange data, maybe by clickin in exchange data, a list of possibilities with a short explanation should be listed, instead of a blank page.	http://harmosearchdev.harmonet.org/exchangedata	-	adriano		/exchangedata	G			T			
R6.3	-	G	No doc available		-	Inés	no doc		-	adriano			G			T			
R6.4	W	G	Can be improved with illustrated explanations For now it mostly misses link to documentation, and contact Will probably look better with the demonstration preparation (web presence tasks), with infos, links to social networks...		W	Inés	_ please change the top right options "sign in" and "sign up" are confusing, either "sign up" and "login", or "register" and "login" (picsignuplogin.png) _ Is it possible to hide the blue liferay bar, and show in the new design the user? _ This would imply to add a log out (or sign out) button visible in the black bar _ Maybe also a profile edit button next to it, and have 2 alternatives to get here, through there or the menu under configuration	http://euromuse.net/thorsten2/harmosearch/userconf.png	o	adriano		signuplogin.png userconf.png	G			T			

## **Appendix B.5. Test cases for release 5**

Test cases for the 5th release were divided in 4 documents:

1. Test Case Release 5 – Portal. For a better understanding of the scenario and topic of each test session, this documents contains several parts :
  - a. Part 1 : Registration
  - b. Part 2 : Import
  - c. Part 3 : Publisher
  - d. Part 4 : Metasearch
  - e. Part 5 : Qualified Search
  - f. Part 6 : Reference list
  - g. Part 7 : Crawler
  - h. Part 8 : Documentation
2. Test Case Release 5 –Registry

The results of all those excel documents were exported and included in this section.

Id		Action	Description	Comment (and alternatives)	Expected Output	##### Who	##### Who	Actual Result	##### Who	Actual Result	##### Who	##### Who	Actual Result			
Reg		User creates a new account														
Reg0.1	Registration	- go to <a href="http://harmosearchdev.harmo.net.org/landing-search-qualified-events">http://harmosearchdev.harmo.net.org/landing-search-qualified-events</a> - click on 'Register' on the top right - insert your own data (names and a valid email address) - select a type of account (*) - select also the organization you belong to (if not present insert the organization's name) - wait for the account activation email (**); activation is done by the administrator	<i>* Select the type of account from where you want to start the tests. Each account type has its own excel sheet.</i> <i>** For security reasons, the activation of an account is implemented to be not fully automatic . The administrator receives the notification as soon as a new user registeres to the portal. The he activates manually the account, and an automatic notification is sent to the new user.</i> <i>You may contact the persons Claudio Prandoni or Marlis Valentini to speed up this step.</i>	Two emails: the first confirms that the request for activation was received, the second confirms that the account has been activated.	O	Promoter	W	Afidium	O	SPK	a user anita martínez under the organisation euromuse was registered as a publisher	O	mussumsmedien	W	MH	had to type in several times, because captcha was partly difficult to read and i could type in a screen name that was not allowed.  I never received a success message, but suddenly i could not register because my screenname was taken. Chose a new one but then my email adress was taken already. checked my mails and had a confirmation - strange, cause on the gui i never succeeded.  once i had a browser (FF19.0) error message that the content of the site has invalid characters and it cannot be displayed.
Reg		User edits his profile														
Reg1.1	Edit Profile	<u>Optional*</u> : - log in as testuser (testuser@test.user, password: testuser) - go on 'Configurations' -> 'Edit Profile' - insert a valid email address where you want to receive the notifications (must be different from the email of the new user you created) - click 'Save'	<i>* 'testuser' belongs to the organization 'Test' which is involved in several test cases together with your user. It acts, when necessary, as data provider, as service provider and as data receiver for push operations.</i> <i>This step is necessary only if you want to check the email notifications sent to this user for some of the tests</i>	You can now log in as testuser with the new email as username	O	Promoter	W	Afidium	W	SPK	Functionality as expected, have only layout comments: attention, if we use log in, we should change 'sign out' for 'log out' in all cases.  the logout (now sign out) button is on the blue bar, I still think is better to loose the blue bar and integrate the 'log out' in the black bar and create a quick link near it that leads to the profile editing page.  while logged in, there is a heading in all landing pages and in the main pannel that says "Web content display"	O	mussumsmedien	X	MH	wanted to change to manfred.hackl@ec3networks.at - did not receive any notification --- there is a menu item "manage" and another "configuration" --> both lead me to the edit profile, i wonder if both are required

Id Action		Description	Comment (and alternatives)	Expected Output	##### Who	##### Who	Actual Result	##### Who	Actual Result	##### Who	##### Who	Actual Result
Reg1.2	Edit Profile	<b>AT THE END OF YOUR TESTING: *</b> '- log in as testuser (username: your email, password: testuser) - go on 'Configurations' -> 'Edit Profile' - insert 'testuser@test.user' as email address	<i>* Necessary only if you changed the email of the 'testuser'</i>	You can log in as testuser with 'testuser@test.user' as username	<div></div>	<div></div>		<div></div>	SPK		<div></div>	M H guess it worked - email was saved

				Comment				#####	Who	#####	Who	Actual	#####	Who	Actual	5/2/2013	Who	Actual	
Id	Parent	Seq- uence	Action	Name	Description	(and alternatives)	Expected Output					Result			Result			Result	
Begin of tests for Import																			
I-BEGIN				Check your type of account	Precondition to do the following tests is that your user account has the right role assigned. You must have just registered with the right role (*) or you must have done the last step (END1) in the previous test excel sheet you executed. See : Registration			○	Promoter	○	Afidium		○	museumsmediet		○	SPK		
I1			Import		User imports data			○		○			○						
I1.1	I1	I1.1, I1.2, I1.3, I1.4		Import without permissions to query a given organization ('Test')	log in with your user go on 'Exchange Data' - >'Import Data'		is shown: "No participants available to be queried" if no providers have given permission to query, or just 'Test' does not appear in the list of data providers that can be queried.	○	Promoter	○	Afidium		○				○	SPK	
I1.2	I1	I1.1, I1.2, I1.3, I1.4		Import without permissions to query	('testuser@test.user' or the email you set*, password: testuser) - go on 'Configurations' -> 'Access Policies' - add the permission 'All can QUERY to Test' (or your organization can QUERY to Test)	<a href="#">* Optional: change the email of the preloaded testuser</a>	policy is added in the box below	○	Promoter	○	Afidium		○				○	SPK	
I1.3	I1	I1.1, I1.2, I1.3, I1.4		Import without permissions to query	log in with your user go on 'Exchange Data' - >'Import Data'		'Test' is now available in the list of data providers	○	Promoter	○	Afidium		○				○	SPK	

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I1.4	I1	I1.1, I1.2, I1.3, I1.4		Import without permissions to query	log in as testuser ('testuser@test.user' or the email you set, password: testuser) - go on 'Configurations' -> 'Access Policies' - delete the permission 'All can QUERY to testuser'		policy is deleted from the box	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
I1.5	I1			Own data mapping is missing in import	from Harmonise ontology to local system must NOT be available for your organization (check in 'Configurations' -> 'Mapping Store', and if necessary delete it) log with your user go on 'Exchange Data'->'Import Data' and perform an import from 'euromuse' selecting 'exhibition ancient world'		Screen message is shown: "Missing or not configured data mapping from Harmonise Ontology to <your-organization>" In 'Operation Status' tab the entry of the previous import reports: 'Failed on euromuse: Missing data mapping from Harmonise Ontology to <your organization>'.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	









Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I1.6	I1			Upload data mapping file from Harmonise ontology to local system (for the events domain)	Log in with your user - go on 'Configurations'->'Mapping Store' - select any identifier as 'collectionId' (for instance 'events') - choose 'Upload mapping from Harmonise ontology to local system' - select the mapping from Harmonise ontology to local system (choose the file available in the test folder as 'HTO_Euromuse.xslt') - select 'default for receiving events' - click on 'Send' and check for the success message on top		File is listed in the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
I1.7	I1			Import with invalid query	log in with your user go on 'Exchange Data' ->'Import Data' perform an advanced search with an incorrect HarmoSearch query (you can write any text, or use for instance the test query 'SQ0_invalid_import_query.xml')		Error message is shown: "User query not valid against HarmoSearch query language XSD".  The same message is shown in 'Operation status' and in the mail notification you'll receive.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I1.8	I1	I1.5, I1.7		Import Events successful	<i>uploaded the mappings from Harmonise ontology to your system</i> - log in with your account - go on 'Exchange Data'- >'Import Data' - select 'euromuse' as data provider - 'exhibition ancient world' as category - click on 'Search'		Screen message and 'Operation Status' report success of the import. You also receive an email notification.	O	Promoter	O	Afidium		W		XML Result Files should open in own window, if you download them with left click.	O	SPK	

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	##### O	Who	##### W	Who	Actual Result	##### O	Who	Actual Result	5/2/2013	Who	Actual Result
I1.9	I1	I1.5, I1.8		Import Events with Advanced Search	perform an import through Advanced Search using 'SQ1_for_import.xml'		Operation Status' and email confirm that the operation was successful. In 'Data Repository'- >'Querybox' the result file is available (check with the example file 'import_results_Advanc ed_Search.xml' in the test folder)	O	Promoter	W	Afidium	I really think the XML file should open in another browser tab, as browser read XML file : clicking the download button just opens the XML in the same tab for now, making user leave harmosear ch for a page of code	O			O	SPK	the exhibitions are not the same, because the xml file in the repository is outdated, the query result gives updated result, so it is successful. Agree with David, either open the file in a new tab, or activate the download dialog of the browser... it would be nice to see in the table how many results where retrieved in the file.

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I1.10	I1				Log in with your user - go on 'Configurations'- >'Mapping Store' - select any identifier as 'collectionId' (for instance 'acco') - choose 'Upload mapping from Harmonise ontology to local system' Upload data mapping file from Harmonis e ontology to local system - select the mapping from Harmonise ontology to local system (choose the file available in the test folder as 'identity.xslt') - select 'default for receiving accommodations' - click on 'Send' and check for the success message on top		File is listed in the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
I1.11	I1	I1.9, I1.10			Import Accommo dations successful go on 'Exchange Data'- >'Import Data' - select 'Accommodation' as subdomain - 'b&b' as type - 'biella' as data provider - click on 'Search'		reports about the success of the operation. In 'Data Repository' -> 'Querybox' the file with the accommodations from biella is available with 10 accommodation results (it looks like the file 'accommodation_results .xml' in the test folder).	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	other results but also 10 and same format

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I1.12	I1	I1.7, I1.8, I1.9, I1.10, I1.11		Check results of import in 'Querybox'	log in with your user go on 'Data Repository' -> 'Querybox'		The files received from the user with a successful import operation are present (see the timestamp) and can be downloaded or deleted		Promoter		Afidium						SPK	
I2			Scheduled Import		User schedules regular automatic import operations													
I2.1	I2			Schedule import	log in with your user go on 'Exchange Data' -> 'Scheduler' and select - IMPORT Data as Operation - euromuse as data provider - exhibition art history as category - schedule the operation within the next 10 minutes - click 'Schedule task'	** the server's system clock is CET (Central European Time)	After the time set in the scheduled options, the result file is available in 'Querybox' and contains some results. In 'Operation Status' the import operation is reported to be completed successfully on euromuse. After some minutes you receive also a notification email.		Promoter		Afidium						SPK	as my user is from euromuse I perform the test in euromusemf the file retrieved is empty see xml see : www.euromuse.net/thorsten2/harmonise/schedule_euromusemf_3101.xml
I2.2	I2			Remove scheduled tasks	Log in with your account - go on 'Exchange Data' -> 'Scheduler' - delete all scheduled operations within 'Exchange Data' -> 'Scheduler'		No tasks are listed in the box.		Promoter		Afidium						SPK	
I3			ses		User imports data through Web Services													

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I3.1	I3	I1.6, I3.1	Import Web Services	Import Events through Web Services	<i>Prerequisite : you have configured the mapping for receiving events</i> perform an import with your organization's name as sender, 'euromuse' as receiver, 'Event' as subdomain, and void (not null!) search_criteria	To be tested using Oxygen or XMLSpy or similar. WSDL: http://harmosearchdev.harmonet.org/WebAccessPortal-portallet/DataExchangeManager?wsdl  Documentation: 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasearch engine	Two strings are returned. The first says 'Operation completed successfully on: euromuse.' and the second is a link to the imported file available on the Data Repository. 'Operation Status' also reports about the successful completion and links to the 'Querybox', where the result file is available (check the timestamp).		Promoter		Afidium						SPK	my user is euromuse user... so i can only import from euromusemf, but at no point I am offered the possibility to set sender and receiver... the only thing I can choose in simple search is a data provider... the first returned message is:
I3.2	I3	I1.10, I3.2		Import Accommodations through Web Services	<i>Prerequisite : you have configured the mapping for receiving accommodations</i> perform an import with your organization's name as sender, 'biella' as receiver, 'Accommodation' as subdomain, 'guesthouse' as type and 'restaurant' as facility	<a href="#">Same documentation as import Events</a>	returned. The first says 'Operation completed successfully on: biella.' and the second is a link to the imported file available on the Data Repository. 'Operation Status' also reports about the successful completion and links to the 'Querybox', where the result file is available (check the timestamp).		Promoter		Afidium						SPK	same as row 21... no possibility to set a receiver, only to choose biella as data provider. Message "Operation COMPLETED. You will receive an email notification. To check result..."

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I4.1	I4	I1.6, I4.1, I4.2, I4.3, I4.4	Use external services	Advanced Search import through Web Service	perform an import with 'advancedSearch' method using your organization's name as sender, 'Event' as subdomain, and 'SQ1_for_import.xml' (from test folder) as xml_query	<a href="#">Same documentation as import Events</a>	Two strings are returned. The first says 'Operation completed successfully on: biella.' and the second is a link to the imported file available on the Data Repository. 'Operation Status' also reports about the successful completion and links to the 'Querybox', where the result file is available	○	Promoter	○	Afidium	○	○	○	○	○	SPK	
I4.1	I4	I1.6, I4.1, I4.2, I4.3, I4.4	Use external services	Register new service that requires authorization	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) - go on 'External Services' -> 'Manage Services' - register a new service on the 'Add Workflow Service' panel, with fields: - name: 'Permanent Events Filter' - description: 'Takes only permanent events' - check the box 'Authorization required' - access URL: http://harmosearchdev.harmonet.org/ExternalService-portlet/permEvents	<a href="#">* Optional: change the email of the preloaded testuser</a>	The new service is in the workflow services list on the left	○	Promoter	○	Afidium	○	○	○	○	○	SPK	

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I4.2	I4	I1.6, I4.1, I4.2, I4.3, I4.4	Use external services	Subscribe to service that requires authorization	log in with your account - go on 'External Services' -> 'Subscribe to Service' - click on 'subscribe' for the 'Permanet Events Filter' service (You are free to insert the limitations on use that you prefer, i.e. the number of times to use the service and the date interval)		Status of the service is 'REQUESTED'. An email is sent to the email address that you have set for 'testuser', saying that a user requested the subscription to the service.	O	Promoter	O	Afidium		O			w	SPK	as a user subscribing an external service i do not think the 'customer' has any conditions to set, or terms of use... it is the testuser that has to set these... as my user i cannot write anything in the terms of use, which is in my opinion
I4.3	I4	I1.6, I4.1, I4.2, I4.3, I4.4	Use external services	Accept subscription	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) - go on 'External Services' -> 'Manage Services' - click on 'Modify' on the subscription request of your user (on the Workflow Requested Service Panel) - assign permission to use the service only 3 times ('max number of times'=3), within a date interval that includes	<a href="#">* Optional: change the email of the preloaded testuser</a>	An email is sent to your account, saying that the request for subscription was accepted. If you log in with your account, in 'Subscribe to Service' the service is in 'Authorized' status, the terms of use are updated, and the service is now available in the dropdown list on the import and scheduler pages.	O	Promoter	X	Afidium	I could do it but Using Firefox 18 : the date picker doesn't work well ("allow" button causing bug)	O			w	SPK	_on test user: basically as expected except the calender... it allowed neither to set today and today as range, nor any other time range... _on my user everything as expected

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I4.4	I4	I1.6, I4.1, I4.2, I4.3, I4.4	Use external service in import		<ul style="list-style-type: none"> <li>- log in with your account</li> <li>- go on 'Exchange Data' -&gt; 'Import Data'</li> <li>- select 'euromuse' as data provider</li> <li>- 'Austria' as country</li> <li>- 'exhibition archeology' as category</li> <li>- include 'Permanet Events Filter' as external service (click on 'Add' button)</li> <li>- click on 'Search'</li> </ul>		Screen message and 'Operation Status' report success of the import. In 'Data Repository' -> 'Querybox' the just received file contains only 3 events out of 9 (which would be returned without including the external service); they all are permanent exhibitions. In 'Subscribe to Service' the 'max number of times' is updated to 2.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	as my user is registered as euromuse user, and the euromusemf provider did not respond, i shortly assigned the spk editor user the role of import, with a mapping from hto to system identity.xslt and a suscription to the permanent exhibition service... and I got the expected result.

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I4.5	I4	I1.6, I4.1, I4.2, I4.3, I4.4, I4.5		External service permis sion expired	<ul style="list-style-type: none"> <li>- log in with your account</li> <li>- go on 'Exchange Data'-&gt;'Import Data'</li> <li>- do any import operation you like, but including 'Permanet Events Filter' as external service (click on 'Add' button)</li> <li>- click on 'Search'</li> <li>- repeat doing this kind of import 3 (or less) times - you should at the end have no possibility to include the external service</li> </ul>	<i>This operation consumes the number of times you (acting as testuser) have set in the access policy for using the external service</i>	<p>The 'Permanent Events Filter' is no more available in the drop down list of the import form.</p> <p>In 'Subscribe to Service' the 'max number of times' is updated to 0.</p>	○	Promoter	○	Afidium		○			w	SPK	<p>what if the process fails for other reasons? As testuser i allowed spk editor to search on euromuse 1 time... then I tried as spk editor with the import roled assigned, but mistakenly without mapping file uploaded, to search events on euromuse. After searching the system warned there was no mapping file.. so i uploaded it, but then, my 1 time had run</p>

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I4.6	I4	I4.1, I4.6	Use external services	Delete external service	log in as testuser ('testuser@test.user' or the email you set, password: testuser) - go on 'External Services' -> 'Manage Services' - click 'Delete' on the 'Permanet Events Filter' service		The service is no more listed in the workflow services panel.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
I5			Home		User takes overview of services													
I5.1	I5		Home	Take overview of configuration	logged in with your account go on 'Home' check the status of the services		The status of the available services should be shown (active or not, missing configurations and links to the respective configuration pages)	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
End of tests for Import																		

Id	Parent	Seq- uence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
								#####	Who	#####	Who	Actual Result	#####	Who	Actual Result	5/2/2013	Who	Actual Result
I-END1				Change your type of account	log in with your user - go on 'Manage' -> 'Control Panel' on the top left - select 'Roles' from the menu - on 'Import' click 'Actions' and then 'Assign members' - click on the 'Current' tab and uncheck your account, then click on 'Update Associations' on top of the list - (*) click on 'View all' and assign yourself the role of your next tests: - on the selected role click 'Actions' -> 'Assign members' - click on the 'Current' tab and check your account, then click on 'Update Associations' on top of the list ** - click on 'Back to HarmoSearch' on the top left	* necessary only if you have to test some other type of account (and corresponding excel sheet)	** you can check your new role, for instance, in the 'Control Panel' within 'My Account' (don't remove the extra roles 'User' and 'Super User'!) Once back to the portal, you'll see different entries in the operations menu	0	Promoter		Afidium		0			0	SPK	
I-END2				END *	<a href="#">Restore email of 'testuser'</a>	* Only if your tests end with the current type of account												

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result		30/01/13	Who	Actual Result	
Begin of tests for Publisher																	
Pub-BEGIN					Check your type of account	Precondition to do the following tests is that your user account has the right role assigned. You must have just registered with the right role (*) or you must have done the last step (END1) in the previous test excel sheet you executed	<a href="#">* Registration of new user account</a>		<input type="radio"/>	Promoter	<input type="radio"/>	Afidium		<input type="radio"/>	SPK		
Pub1			Push		<b>User pushes data to another participant</b>												
Pub1.1	Pub1	Pub1.2, Pub1.1.1, Pub1.2, Pub1.3		Push without permission	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) - go on 'Configurations' -> 'Access Policies' - delete the permission 'All can PUSH to Test'	<a href="#">* Optional: change the email of the preloaded testuser</a>	Policy is removed from the box at the end of the page.	<input type="radio"/>	Promoter	<input type="radio"/>	Afidium		<input type="radio"/>	SPK			
Pub1.2	Pub1	Pub1.2, Pub1.1.1, Pub1.2, Pub1.3		Push without permission	log in with your user go on 'Exchange Data' ->'Share Data' and select 'Push Data'		Either an error message is shown: "No participants available to receive data" if no providers have given permission to push, otherwise 'Test' just isn't listed in the drop-down menu of the providers	<input type="radio"/>	Promoter	<input type="radio"/>	Afidium		<input type="radio"/>	SPK	only promoter is available to receive data		
Pub1.3	Pub1	Pub1.2, Pub1.1.1, Pub1.2, Pub1.3		Push without permission	log in as testuser ('testuser@test.user' or the email you set, password: testuser) - go on 'Configurations' -> 'Access Policies' - add the permission 'All can PUSH to Test'		Policy is added in the box at the end of the page.	<input type="radio"/>	Promoter	<input type="radio"/>	Afidium		<input type="radio"/>	SPK			
Pub1.4	Pub1			Push with missing data mapping file	<i>Prerequisite : mapping file from local system to Harmonise ontology must not be available for your organization (check in 'Configurations' -&gt; 'Mapping Store', and if necessary delete it)</i> log in with your user, go on 'Exchange Data' ->'Share Data' and select 'Push Data' select 'Test' as receiver and 'euromuse_to_push.xml' * (available in the test folder) as data file	<i>* You can use smaller files like 'euromuse_Wir_essen_Reis.xml' or 'euromuse_Architektur.xml' as an alternative</i>	Operation status and email report about the failure in sending the data, saying that the data mapping is missing or not configured.	<input type="radio"/>	Promoter	<input type="radio"/>	Afidium		<input type="radio"/>	SPK			







Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result		30/01/13	Who	Actual Result	
Pub1.5	Pub1	Pub1.5, Pub1.7		Upload data mapping file from local system to Harmonise ontology	log in with your user go on 'Configurations' -> 'Mapping Store' insert 'events' as collection id choose 'Upload mapping from local system to Harmonise ontology (for sending data)' select the mapping from local system to Harmonise ontology (choose the file available in the test folder as 'Euromuse_HTO.xslt') select 'default for sending events' click on 'Send' and check for the success message on top of the page		File is listed in the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK	it is the only mapping file uploaded, therefore the first	
Pub1.6	Pub1			Push data file not compliant with your mapping file	log in with your user go on 'Exchange Data' -> 'Share Data' and select 'Push Data' select 'Test' as receiver and 'harmonise_to_push_reduced.xml' (available in the test folder) as data file click on 'Send'		Error message is shown: "Input file is incompatible with the mapping file."	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub1.7	Pub1	Pub1.5, Pub1.7		Push successful to multiple receivers	log in with your user go on 'Exchange Data' -> 'Share Data' and select 'Push Data' select 'Promoter' and 'Test' as receivers and 'euromuse_to_push.xml' * (available in the test folder) as data file click on 'Send'	<i>* You can use smaller files like 'euromuse_Wir_essen_Reis.xml' or 'euromuse_Architektur.xml' as an alternative</i>	Screen message is shown: "Operation stated. You will receive an email notification. To view the status and results go here."  After some minutes you will receive an email saying ' Operation completed successfully on: Promoter, Test'.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub1.8	Pub1			Push data and bypass mapping	logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Push Data' as operation - choose 'harmonise_to_push_reduced.xml' as data file (from the test folder) - 'Test' as recipient - 'Event' as subdomain - check 'Exclude data mapping' checkbox - click 'Send'		'Operation Status' reports the success of the operation. It you tried the same steps without bypassing the mapping an error would be raised, because the file sent is not in the expected format (one of the previous tests) Furthermore, if you log in as 'testuser', the file that is in the inbox is exactly the	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result	30/01/13	Who	Actual Result
Pub1.9	Pub1			Push through form	logged in with your account - go on 'Exchange Data' -> 'Upload Data' - select 'Push Data' as operation - insert the event fields - select 'Test' as recipient		Screen message and 'Operation Status' report the success of the operation. Testuser receives an email and a file is sent to its inbox.		Promoter		Afidium			SPK	I fill out "alt vertrautes" (see xml) this message error appears: "Failed on Test: Error in data mapping from HarmoNET to Harmonise Ontology: org.xml.sax.SAXParseEx ception: The reference to entity "typeld" must end with the ';' delimiter. Line: 5 Column: 403." The file is stored in the "outbox" of my user, seems a bad formed xml... When I fill out "gone with the wind.xml" (see xml) operation succeeds layout comments: I would like to refer to my comments in the excel of release 4, I gave a lot of feedback about this input form, and asked about the possibility to complete these fields. I would add these issues in this release: -If a user wants to enter an event other than an exhibition, but cultural: e.g. a concert taking place on 1st and 2nd of March, starting both days
Pub1.10	Pub1			Push through Excel file	logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Push Data' as operation - choose 'push_Excel_2003.xsl' as data file (from the test folder) - 'Test' as recipient - 'Event' as subdomain		Screen message and 'Operation Status' report the success of the operation. Testuser receives an email and a file is sent to its inbox.		Promoter		Afidium			SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result		30/01/13	Who	Actual Result	
Pub1.11	Pub1			Push through Excel file with wrong template	logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Push Data' as operation - choose 'wrong_template_Excel_2003.xml' as data file (from the test folder) - 'Test' as recipient - 'Event' as subdomain - click 'Send'		Error message: "Excel file may be corrupted. Please check if the right template was used."	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub1.12	Pub1	Pub1.7, Pub1.13		Check sentbox	log in with your account - go on 'Data Repository' -> 'Sentbox'		The files you sent with a push operation are present (see also the timestamp).	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub1.13	Pub1	Pub1.4, Pub1.14		Check outbox	log in with your account - go on 'Data Repository' -> 'Outbox'		The files you sent with an unsuccessful push operation are present (see also the timestamp).	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub1.14	Pub1	Pub1.7, Pub1.12		Check inbox	log in as testuser ('testuser@test.user' or the email you set, password: testuser) - go on 'Data Repository' -> 'Inbox'		The files you sent with a push operation are present (see also the timestamp) and can be downloaded or deleted	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub2					<b>User pushes data through Web Service</b>												
Pub2.1	Pub2		Push Web Service to multiple receivers	Push data file through Web Service to multiple receivers	perform a push through 'pushData' method, setting your organization's name as sender, 'Promoter' and 'Test' as receivers, 'Event' as subdomain and using 'euromuse_to_push.xml' (available in the test folder) as xml_file	To be tested using Oxygen or XMLSpy or similar. WSDL: <a href="http://harmose.archdev.harmo.net.org/WebAccessPortal-portlet/DataExchangeManager?wsdl">http://harmose.archdev.harmo.net.org/WebAccessPortal-portlet/DataExchangeManager?wsdl</a> Documentation : 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasear	The method returns a successful completion message: ' Operation completed successfully on: Promoter, Test'. 'Operation Status' and email report also successful completion. Your 'Sentbox' contains the file you sent. Logged in as tesuser, in 'Data Repository' >'Inbox' the file that has been sent is available.	<input checked="" type="radio"/>	Promoter		Afidium			W	SPK	The file it is available, I guess test user has not a very complete mapping, the file received has only the same start and enddate in all events, other fields are empty.	

Pub Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result	30/01/13	Who	Actual Result
Pub3.0	Pub3	Pub3.0, Pub3.1	Publish		<b>User publishes events on social networks</b>										
Pub3.1	Pub3	Pub3.0, Pub3.1		Clean up prior HarmoSear ch app permissions on Facebook	If you did the social network tests for past releases of HarmoSear ch app permissions on Facebook. Do the following: - log in to Facebook - go on 'Account Settings' (top right) - go on 'Apps' and remove 'HarmoSear ch' if you find it in the list			○	Promoter		Afidium		○	SPK	
Pub3.2	Pub3	Pub3.1, Pub3.2		Give permission to publish on your behalf	Login with your account - go on Configurations -> Social Networks - click on 'give permissions' for one of the social networks where you have an account - follow the procedure proposed by your social network in order to complete the operation		The button for giving permission is replaced by the buttons for expanding the credentials token and for removing the just given permission. On the Scheduler page, if you select 'Publish' as operation, your social network target is now available in the dropdown list (e.g. as 'Twitter (User status)')	○	Promoter	○	Afidium		W	SPK	on scheduler page I get a warning and I cannot choose an operation: To schedule a PUSH or PUBLISH operation it is required to have a data provider profile associated which is wrong, for I set my profile as publisher for euromuse, that is, a data provider...
Pub3.3	Pub3	Pub3.1, Pub3.3		Publish through form	logged in with your account - go on 'Exchange Data' -> 'Upload Data' - select 'Publish Data' as operation - keep selected 'Filter manually before publishing' and insert the event fields - select your social network as recipient		There is your event listed in 'Exchange Data' -> 'Confirm publishing' You also receive an email.	○	Promoter	○	Afidium		○	SPK	
				Publish from excel file	logged in with your account - go on 'Exchange Data' -> 'Share Data' - select 'Publish Data' as operation - keep selected 'Filter manually before publishing' - choose 'push_Excel_2003.xls' as data file (from the test folder) - select any social network as recipient		The Excel events are listed in 'Exchange Data' -> 'Confirm publishing'	○	Promoter	○	Afidium		○	SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result		30/01/13	Who	Actual Result	
Pub3.4	Pub3	Pub1.5, Pub3.1, Pub3.4		Publish from xml file	<p><i>Prerequisite: you have uploaded and configured the mapping of events from your local system to HarmoSearch</i></p> <ul style="list-style-type: none"> <li>- Log in with your account</li> <li>- go on 'Exchange Data' -&gt; 'Share Data'</li> <li>- select 'Publish on social network' as operation</li> <li>- uncheck 'Filter manually' checkbox</li> <li>- select the file 'euromuse_Architektur.xml' as data file (available in the test folder)</li> <li>- your social network's target (one or more) as recipient</li> <li>- 'Event' as domain</li> </ul>	As alternative files you can use 'euromuse_Wir_essen_Reis.xml' or 'euromuse_2_events.xml'	In 'Operation Status' the publish operation is reported as completed. An email is sent that informs on the success of the operation. The event is visible on your social network page.		Promoter		Afidium				SPK	for results see picture... better than R4! attention, I filled an event with no event url, but with a picture url, the post understood that picture url, and did not show the picture, but used that as status url... see : <a href="http://www.euromuse.net/wiki/uploads/02_publish_sm.jpg">www.euromuse.net/wiki/uploads/02_publish_sm.jpg</a>	
ADVANCED PUBLISHER					The publisher is also a data provider, and can specify how its data is used on the portal (set up permissions, licenses, remote query service configuration, ...)												
Pub4.1	Pub4		Add role	User assigns himself the role of data provider	<ul style="list-style-type: none"> <li>log in with your user</li> <li>- go on 'Manage' -&gt; 'Control Panel' on the top left</li> <li>- select 'Roles' from the menu</li> <li>- on 'Data Provider' click on 'Actions' and then on 'Assign members'</li> <li>- click on the 'Available' tab and check your account, then click on 'Update Associations' on top of the list</li> <li>- click on 'Back to HarmoSearch' on the top left</li> </ul>	<i>The publisher must also be a data provider, and be able to specify how its data is used on the portal (set up permissions, licenses, remote query service configuration, ...) in order to do some advanced operations, i.e. to schedule automatic push and publish operations</i>	Once back to the portal, you'll see more entries in the menu (for instance 'Configurations' -> 'Access Policies'		Promoter		Afidium				SPK	this explains behaviour in row 23, ignore the comment... or set publishers as data providers as default?	
Pub5				Set up data provider	User specifies the basic configuration for a data provider												

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result	30/01/13	Who	Actual Result
Pub5.1	Pub5	Pub5.1, Pub5.2		Set up query service	<p>Login with your user go in 'Configurations'-&gt;'Query Service' click on your organization's name go on panel 'Create and attach a new Data Provider' and insert an id (e.g. &lt;Your-organization&gt;_dataprovder (no whitespaces!)) click on 'Create' and insert the following parameters:  any name for your provider  the name of the collectionId that you used when uploading the data mapping (for instance 'events')  'http://www.euromuse.net/harmonise/query/query.php' as service access endpoint (no whitespaces!))  'karin' as username and password  'HTTPAdapter' as Connector class  select 'IMPORT' and 'METASEARCH' as operation  'Event' as Subdomain  click on 'Save Changes'  click 'Edit Data Description' and select 'events'  click on 'Save Changes'</p>		If you go back to the view 'Harmonise Participant Details' (back to list), the new data provider is attached to the your organization		Promoter		Afidium	- I think the password shouldn't be in clear -" Edit Data Description" is before save changes. Yet if we click it before saving, we loose any modification when going back. I think the button should be before the edit link, or that we should keep fields up to date, or a popup asking if we want to save link or discard before accessing the edit data screen - the edit data description page isn't clear.. i don't know if i did something or if my selection had any impact or is validated		SPK	The data provider profile is not clear to me... I assume as a publisher I am a data provider, for in order to publish all the events from the past rows, theoretically I provided the events. The steps work if the order of things is followed, but to fill in a form should require a user's manual...
Pub5.2	Pub5	Pub5.1, Pub5.2		Upload query mappings (for the events domain)	<p>log with your user  - go on 'Configurations'-&gt;'Mapping Store'  - insert the collection id you already used for the events domain when uploading the data mappings (for instance 'events')  - choose 'Upload query mapping to translate HarmoSearch fields and enumerations'  - select the query fields and enumerations mapping file (choose the file available in the test folder as 'HTO_Euromuse_query_enum.xslt')  - choose 'Upload query mapping to translate HarmoSearch query structure'  - select the query structure mapping file (choose the file available in the test folder as 'HTO_Euromuse_query.xslt')  - click on 'Send' and check for the success message on top of the page</p>		Files are listed in the box at the end of the page.		Promoter		Afidium				

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result	30/01/13	Who	Actual Result
Pub					Scheduled Operation		User schedules pushing and publishing of events								
Pub6.1	Pub6	Pub6.1	Publish	Schedule a push correctly	<p><i>Prerequisite : you have uploaded and configured the mapping of events from your local system to HarmoSearch, the two mappings for the query, and you have configured a query service for your organization</i></p> <p>log in with your user</p> <p>go on 'Exchange Data'-'Scheduler' and select PUSH Data as Operation</p> <p>Test as recipient</p> <p>exhibition ancient world as category</p> <p>schedule operation within the next 10 minutes **</p> <p>click 'Schedule task'</p>	<p><i>In a scheduled push the user does not upload a file but he schedules a query to his associated data provider through which the system automatically exports the actual data to be sent from his system.</i></p> <p><i>Therefore, the user needs to register a query service and to upload a query mapping to use this functionality.</i></p> <p><i>** the server's system clock is CET (Central</i></p>	In 'Operation Status' the push operation is reported to be completed successfully After some minutes you receive also a notification email.	○	Promoter	○	Afidium		○	SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result		30/01/13	Who	Actual Result	
Pub6.2	Pub6	Pub6.3	-	Schedule publish with manual filter	<i>Prerequisite : you have uploaded and configured the mapping of events from your local system to HarmoSearch, the two mappings for the query, and you have configured a query service for your organization</i> go on 'Exchange Data' -> 'Scheduler' select - 'Publish on social network' as operation - your social network's target (one or more) as recipient (*) - keep 'Filter manually' selected - subdomain 'Event', country 'France', city 'Paris', category 'exhibition painting' - schedule the operation within the next 10 minutes (**)	<b>** the server's system clock is CET (Central European Time)</b>	In 'Operation Status' the publish operation is reported as suspended and awaiting confirmation. An email is sent that invites the user to log in and confirm the publishing of the selected events. Some events should be available for publishing on your social network (the same that are returned with a metasearch using the same search parameters).	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK	double results again (same as R4)	
Pub6.3	Pub6	Pub6.3		Confirm publishing	go on 'Exchange Data' -> 'Confirm publishing' select one or more of the events in the list click on 'Publish selected items'		The message 'Selected items have been published' is shown. The selected events are published on the users social network target.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK	as expected why are the others atuomatically discarded?	
Pub6.4	Pub6			Remove scheduled tasks	Log in with your account - go on 'Exchange Data' -> 'Scheduler' - delete all scheduled operations within 'Exchange Data' -> 'Scheduler'		No tasks are listed in the box.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub6.5	Pub6.5			Remove your data provider	login with your user go in 'Configurations'->'Query Service' click on the Data Provider attached to your organisation if it exists click on 'Delete Provider' (DO NOT DELETE THE PARTICIPANT!)		Data provider removed	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium			<input checked="" type="radio"/>	SPK		
Pub7					User takes overview of services												

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	28/01/13	Who	29/01/13	Who	Actual Result		30/01/13	Who	Actual Result	
Pub7.1	Pub7			Take overview of configuration	logged in with your account go on 'Home' check the status of the services		The status of the available services should be shown (active or not, missing configurations and links to the respective configuration pages)	O	Promoter	O	Afidium			W	SPK	access policies: the lock is not well linked to the navigation, it should be a link to here: <a href="http://harmosearchdev.harmonet.org/accesspolicies">http://harmosearchdev.harmonet.org/accesspolicies</a>	
End of tests for (Advanced) Publisher																	
Pub-END1				Change your type of account	log in with your user - go on 'Manage' -> 'Control Panel' on the top left - select 'Roles' from the menu - on 'Publisher' click 'Actions' and then 'Assign members' - click on the 'Current' tab and uncheck your account, then click on 'Update Associations' on top of the list - do the same with 'Data Provider' role (remove it) - (*) click on 'View all' and assign yourself the role of your next tests: - on the selected role click 'Actions' -> 'Assign members' - click on the 'Current' tab and check your account, then click on 'Update Associations' on top of the list ** - click on 'Back to HarmoSearch' on the top	* necessary only if you have to test some other type of account (and corresponding excel sheet)	** you can check your new role, for instance, in the 'Control Panel' within 'My Account' (don't remove the extra roles 'User' and 'Super User')  Once back to the portal, you'll see different entries in the operations menu	O	Promoter	W	Afidium	- it's quite confusing to access this menu to change role, I would look for such link in the black navigation menu or in edit profile. Maybe a link to the role management page could be added to the profile edition page ? '- In the user selection screen (to check/uncheck), it may be useful to add the company filter to the advanced search. This would allow for instance Afidium manager to assign all Afidium's account to a specific role		W	SPK	i assign myself the import role... but i will continue another day...	
Pub-END2				END *	<a href="#">Restore email of 'testuser'</a>	* Only if your tests end with the current type of account								O	SPK	test user was reseted, as i will continue testing other time...	

















Id				Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result		1/2/2013	Who	Actual Result		#####	Who	Actual Result	
Begin of tests for Metasearch																								
M-BEGIN							Check your type of account	Precondition to do the following tests is that your user account has the right role assigned. You must have just registered with the right role (*) or you must have done the last step (END1) in the previous test excel sheet you executed.	<a href="#">* Registration of new user account</a>			Promoter		Afidium				museumsmedien				SPK		
M1			Metasearch				Metasearch	A user performs metasearch by using the search fields of the user interface																
M1.1	M1				Metasearch on unregistered category	go in 'Search Data' -> 'Metasearch' execute a simple search of events selecting 'agriculture' as category	No provider has registered providing events of this category	Error message: "No provider registered that matches search criteria."		Promoter		Afidium									SPK			
M1.2	M1				Insert invalid query	go in 'Search Data' -> 'Metasearch' click on 'Advanced Search' and insert an invalid HarmoSearch query (as an example you can use the test query 'SQ0_invalid_metasearch_query.xml', or just any free text)		Error message is shown: "User query not valid against HarmoSearch query language XSD".		Promoter		Afidium									SPK			
M1.3	M1				Set up query service for metasearch	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) go in 'Configurations'->'Query Service' - click on the attached data provider - check the box 'METASEARCH' for the operations click on 'Save Changes'	<a href="#">* Optional: change the email of the preloaded testuser</a>	'Test' is now available among the data providers of a metasearch		Promoter		Afidium									SPK			

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	1/2/2013	Who	Actual Result	#####	Who	Actual Result
								#####	Who	#####	Who		1/2/2013	Who		#####	Who	
M.1.4	M1	M1.3, M1.4, M1.5, M1.6	Query mapping is missing in metasearch	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) go on 'Configurations'->'Mapping Store' delete the query structure mapping file (nnnnn_#events_query_os.xls)			File is removed from the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
M.1.5	M1	M1.3, M1.4, M1.5, M1.6	Query mapping is missing in metasearch	log in with your account go on 'Metasearch' and execute any simple search selecting 'Test' as data provider			Error message: "Missing mapping for the query structure from Harmonise Ontology to Test".	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
M.1.6	M1	M1.3, M1.4, M1.5, M1.6	Query mapping is missing in metasearch	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) go on 'Configurations'->'Mapping Store' insert 'events' as collection id choose 'Upload query mapping to translate HarmoSearch query structure' select the file available in the test folder as 'HTO_Euromuse_query.xslt' click on 'Send' and check for the success message on top of the page			File is listed in the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
M.1.7	M1	M1.3, M1.7, M1.8, M1.9	Data mapping is missing in metasearch	logged in as testuser go on 'Configurations'->'Mapping Store' delete the data mapping file from local system to HTO (nnnnn_#events_so.xslt) if it exists			File is removed from the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	1/2/2013	Who	Actual Result	#####	Who	Actual Result
								#####	Who	#####	Who		1/2/2013	Who		#####	Who	
M1.8	M1	M1.3, M1.7, M1.8, M1.9		Data mapping is missing in metasearch	log in with your account go in 'Search Data' -> 'Metasearch' and execute any simple search selecting 'Test' as data provider		Error message: "Missing data mapping from Test to Harmonise Ontology".	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
M1.9	M1	M1.3, M1.7, M1.8, M1.9		Data mapping is missing in metasearch	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) go on 'Configurations'->'Mapping Store' insert 'events' as collection id choose 'Upload mapping from local system to Harmonise ontology' select as mapping the file available in the test folder as 'Euromuse_HTO.xslt' select 'default for sending events' - click on 'Send' and check for the success message on top of the page		File is listed in the box at the end of the page.	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	
M1.10	M1			Remove 'Test' from metasearch data providers	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) go in 'Configurations'->'Query Service' - click on the attached data provider - uncheck 'METASEARCH' from the operations click on 'Save Changes'		Test' is no more available among the data providers of a metasearch	<input checked="" type="radio"/>	Promoter	<input checked="" type="radio"/>	Afidium		<input checked="" type="radio"/>			<input checked="" type="radio"/>	SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	1/2/2013	Who	Actual Result	#####	Who	Actual Result
								#####	Who	#####	Who		1/2/2013	Who		#####	Who	
M1.11	M1			Metasearch successful	log in with your account go in 'Search Data' -> 'Metasearch' and execute a Simple Search inserting 'exhibition ancient world' as category	<i>You can try with any combination of search criteria. The result may also be void.</i>	Some results are shown	O	Promoter	O	Afidium		O			W	SPK	36 results are found in euromuse... 8 were shown in the first page of results, it was not possible to go to the next page, the link was not active. See : <a href="http://www.euromuse.net/thorsten2/harmosearch/turn_page.png">http://www.euromuse.net/thorsten2/harmosearch/turn_page.png</a>
SQ			Test Search Query Language	Advanced Metasearch	A user performs metasearch by posting directly HarmoSearch queries in the Advanced Search text area													
SQ1				Search all from Euromuse	go in 'Search Data' -> 'Metasearch' and execute an Advanced Search inserting the SQ1 query available in the test folder (the same for all following SQx tests)  This query searches for all possible information in all domains coming from Euromuse.	Output should contain title, shoth description, event location, event category, date range, url, vignette.	The metasearch process is asynchronous and the results can be visualised as soon as they become available.  In the result list it is possible to understand if the data comes from an external data source or from the local index.	O	Promoter	O	Afidium		O			W	SPK	results load, over 100, turn pages works this time around. results do not contain all information expected, two observations: _exhibitions in UK, no title available, in the source intance uk exhibitions are filled only in the local language, which is english anyway. But the title are present _exhibitions in Finland, missing Town and Country compare: <a href="http://www.euromuse.net/thorsten2/harmosearch/query_uk_fin.xml">http://www.euromuse.net/thorsten2/harmosearch/query_uk_fin.xml</a>   <a href="http://www.euromuse.net/thorsten2/harmosearch/query_uk_fin.png">http://www.euromuse.net/thorsten2/harmosearch/query_uk_fin.png</a>

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	1/2/2013	Who	Actual Result	#####	Who	Actual Result
								#####	Who	#####	Who		1/2/2013	Who		#####	Who	
SQ2				Search All events	Retun all possible events	<b>Output</b> should be result list: see SQ1	Same as SQ1	o	Promoter	o	Afidium	<b>Vignette were not available</b>	o			o	SPK	
SQ3				Search All events within time frame	Retun all possible events within [1.4.2013, 30.04.2013 ]	<b>Output</b> should be result list: see SQ1 Comment from CP - if you specify both start and end date you will get events whose time interval overlaps with the specified dates	Same as SQ1	o	Promoter	o	Afidium		o			w	SPK	the query seems to be formulated wrong: the startDate is related to the tag <to>?? the EndDate with the tag <from>??
SQ3.1	SQ3			Search All events within time frame, alternative 1	Retun all possible events starting from 1.4.2013	<b>Output</b> should be result list: see SQ1 Alternative 1: give only Date 1 Comment from CP - if you specify only the start date you will get all events which ends after the specified date (independently from the end date)	Same as SQ1	o	Promoter	o	Afidium		o			o	SPK	sq3 alt 1
SQ3.2	SQ3			Search All events within time frame, alternative 2	Retun all possible events until 30.04.2013	<b>Output</b> should be result list: see SQ1 Alternative 2: give only date 2 Comment from CP - if you specify only the end date you will get all events which starts before the specified date (independently from when they end) - THEREFORE ALSO PAST	Same as SQ1	o	Promoter	o	Afidium		o			o	SPK	sq 3 alt 2

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	1/2/2013	Who	Actual Result	#####	Who	Actual Result
								#####	Who	#####	Who		1/2/2013	Who		#####	Who	
SQ4				Search All events within locations	Retun all possible events in Berlin/Germany	<b>Output</b> should be result list: see SQ1  Comment: note that the results are not the same as if you insert the same parameters in Simple Search, because in that case a further, default search criteria is added, namely "from today on".	Same as SQ1		Promoter		Afidium						SPK	SQ 4
SQ4.1	SQ4			Search All events within locations	Retun all possible events in Germany	<b>Output</b> should be result list: see SQ1 Alternative 1: In Germany (Country instead of given city)  Comment: note that the results are not the same as if you insert the same parameters in Simple Search, because in that case a further, default search criteria is added, namely "from today on".	Same as SQ1		Promoter		Afidium						SPK	sq4 alt 1
SQ4.3	SQ4			Search All events within locations	Retun all possible events in Italy	<b>Output</b> should be result list: see SQ1 Alternative 3: in IT (ISO code for Italy)  Comment: note that the results are not the same as if you insert the same parameters in Simple Search, because in that case a further, default search criteria is added, namely "from today on".	Same as SQ1		Promoter		Afidium						SPK	sq4 alt...
SQ4.4	SQ4			Search All events within locations	Retun all possible events in Biella or Berlin	<b>Output</b> should be result list: see SQ1 Alternative 4: in Biella or Berlin	Same as SQ1		Promoter		Afidium						SPK	sq4 alt...

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result	1/2/2013	Who	Actual Result	#####	Who	Actual Result
								#####	Who	#####	Who		1/2/2013	Who		#####	Who	
SQ4.5	SQ4			Search All events within locations	Retun all possible events in Biella or Berlin within [1.4.2013,30.04.2013]	<b>Output</b> should be result list: see SQ1 Alternative 5: in Biella or Berlin within a certain period	Same as SQ1	O	Promoter	O	Afidium		O			O	SPK	sq4 alt...
SQ4.6	SQ4			Search All events within locations	Retun all possible events in Biella within [1.4.2013,30.04.2013] or Berlin within [1.5.2013,31.05.2013]	<b>Output</b> should be result list: see SQ1 Alternative 6: in Biella within a certain period or Wien within another period	Same as SQ1	O	Promoter	O	Afidium		O			O	SPK	sq4 alt...
SQ5				Search All events for certain categories	Retun all possible events in Biella corresponding to cultural	<b>Output</b> should be result list: see SQ1	Same as SQ1	O	Promoter	O	Afidium		O			O	SPK	SQ 5
SQ5.1	SQ5			Search All events for certain categories	Retun all possible events in Berlin corresponding to modern art exhibitions or sculpture exhibitions	<b>Output</b> should be result list: see SQ1 Alternative 1: in Berlin corresponding to modern art exhibitions or sculpture exhibitions	Same as SQ1	O	Promoter	O	Afidium		O			O	SPK	
SQ5.2	SQ5			Search All events for certain categories	Retun all possible events in Berlin or Biella corresponding to modern art exhibitions	<b>Output</b> should be result list: see SQ1 Alternative 2: in Berlin or Biella or corresponding to modern art exhibitions	Same as SQ1	O	Promoter	O	Afidium		O			w	SPK	loads 51 events in berlin from euromuse, contacts 2 data providers, none are retrieved from biella or euromusemf
SQ5.3	SQ5			Search All events for certain categories	Retun all possible events in Berlin or Biella corresponding to modern art exhibitions during that period	<b>Output</b> should be result list: see SQ1 Alternative 3: in Berlin or Biella corresponding to modern art exhibitions during that period	Same as SQ1	O	Promoter	O	Afidium		O			w	SPK	loads 3 events in berlin mordern art in april from euromuse, none from biella modern art... contacted providers 2 (should be euromuse and euromusemf but maybe beilla and euromusemf are

				Comment (and alternatives)			##### Who	##### Who			1/2/2013	Who	##### Who	
Id	Parent	Sequence	Action	Name	Description	Expected Output	##### Who	##### Who	Actual Result	1/2/2013	Who	Actual Result	##### Who	Actual Result
SQ5.4	SQ5			Search All events for certain categories	Retun all possible events in Biella corresponding to sport or cultural in that period and the events in Berlin corresponding to modern art exhibition or sculpture exhibition in the same period	<b>Output</b> should be result list: see SQ1 Alternative 4: in Biella corresponding to sport or cultural in that period and in Berlin corresponding to modern art exhibition or sculpture exhibition in the same period	O	Promoter	O	Afidium	O		x	SPK loads berlin mordern art in april and berlin sculpture in april, neither biella culture in april nor biella sport in april... (provider might be down for now?)
SQ5.5	SQ5			Search All events for certain categories	Retun all possible events in Biella corresponding to cultural in that period and the events in Berlin corresponding to modern art exhibition in the same period	<b>Output</b> should be result list: see SQ1 Alternative 5: in Biella corresponding to cultural in that period and in Berlin corresponding to modern art exhibition in the same period	O	Promoter	O	Afidium	W	Failed on euromuse: Impossible to connect to provider	x	SPK 3 results loaded from euromuse, none from biella (provider might be down for now?)
M2			Browse Data Providers		<b>A user queries directly the semantic registry</b>									
M2.1	M2			Find matching data providers	logged in with your account go on 'Search Data' -> 'Browse Data Providers' select 'events in biella' click 'Check Provider'	Alternative: select any of the proposed queries to the registry	The provider 'Biella' is returned	O	Promoter	O	Afidium	O		O
M3			Home		<b>User takes overview of services</b>									
M3.1	M3			Take ovelview of configuration	logged in with your account go on 'Home' check the status of the services		The status of the available services should be shown (active or not, missing configurations and links to the respective configuration pages)	O	Promoter	W	Afidium	O	I think Social & access policies misses links (as we have those for configuration)	O
End of tests for Metasearch														

</															

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	#####	Who	Actual Result	
								#####	Who	#####	Who	#####	Who		
Begin of tests for Qualified Search															
Qs-BEGIN					Check your type of account	Precondition to do the following tests is that your user account has the right role assigned. You must have just registered with the right role (*) or you must have done the last step (END1) in the previous test excel sheet you executed.	<a href="#">* Registration of new user account</a>								
Qs1			Qualified Search		User searches events enhanced with extra information										
Qs1.1		Qs1			Search top 3 ordered by overall score	go in 'Search Data' -> 'Qualified Search' - select 3 as max number of results - click on 'Search' - when searching is completed, click on 'Show results'		The top 3 results are shown. The overall score of the events is in descending order.		Promoter		Afidium		SPS	
Qs1.2		Qs1			Search top 10 ordered by multiple occurrences	go in 'Search Data' -> 'Qualified Search' - select 10 as max number of results - select 'Order results by multiple occurrences' - click on 'Search' - when searching is completed, click on 'Show results'		The top 10 results are shown. The occurrences score of the events is in descending order. Note that the completeness score may not be in descending order. Some events may miss the title or the image		Promoter		Afidium	w	SPS	what does occurrence mean? That is found both in multiple proviers e.g. euromusemf and euromuse?
Qs1.3		Qs1			Search top 10 ordered by completeness of information	go in 'Search Data' -> 'Qualified Search' - select 10 as max number of results - select 'Order results by completeness of information' - click on 'Search' - when searching is completed, click on 'Show results'		You get all results that have completeness score 4 (maximum); the occurrences score is random		Promoter		Afidium		SPS	
Qs1.4		Qs1			Search top 10 ordered by multiple occurrences and by completeness of information	go in 'Search Data' -> 'Qualified Search' - select 10 as max number of results - select both 'Order results by completeness of information' and 'by multiple occurrences' - click on 'Search' - when searching is completed, click on 'Show results'		You get all results that have the maximum sum of completeness score and occurrences score (but the single scores, e.g. the occurrences score may not be the maximum (check with 'order by occurrences score'))		Promoter		Afidium	w	SPS	gives the impression of arbitrary... to search for completedness and get a result in the top 5 with max score for occurrence but ranking poorly in completedness. Aalto-majlko 75 vuota from euromusemf, which is a record without english text and no image
Qs1.5		Qs1		Search top 3 results using also search criteria	go in 'Search Data' -> 'Qualified Search' - select 3 as max number of results - insert as dates: from 3 to 4 february 2013 - restrict to Austria-Vienna - restrict to 'exhibition paintings' - click on 'Search' - when searching is completed, click on 'Show results'		The top 3 results (ordered by default by overall score) comply with the search criteria inserted by the user		Promoter		Afidium	x	SPS	vienna with such criteria returns no result, it should retrieve at least one exhibition that matches criteria: <a href="http://www.euromuse.net/en/exhibitions/exhibition/view-e/die-nacht-im-mistlicht/content/en/">http://www.euromuse.net/en/exhibitions/exhibition/view-e/die-nacht-im-mistlicht/content/en/</a>	
Qs2			tion		User searches events enhanced with licence information										

				Comment (and alternatives)								
Id	Parent	Sequence	Action	Name	Description	Expected Output	##### Who	##### Who	##### Who	##### Who	Actual Result	
Qs2.1	Qs2	Qs2.1, Qs2.2	View license information	Add license	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) - go on 'Configurations' -> 'Access Policies' - select any CC license from the drop down list and save	* <a href="#">Optional: change the email of the preloaded testuser</a>  The license is added in the box below. Note that: (1) adding a licence has effect only on the day after's searches, because the qualified search is done on a local daily cache of the providers. (2) Adding a license to 'Test' has evident effect on the query service set up in order not to be included in the caching process (enriching it locally with further information) in order not to replicate any of the available data providers. Thus, the effect of assigning the license cannot be	0	0	0	SPK		
Qs2.2	Qs2	Qs2.2		Remove license	log in as testuser ('testuser@test.user' or the email you set*, password: testuser) - go on 'Configurations' -> 'Access Policies' - click on 'Delete' on the license in the box		license is removed from the box	0	0	0	SPK	
Qs2.3	Qs2			View results with license	log in with your account go in 'Search Data' -> 'Qualified Search' - do any search on 'euromuse' as data provider - when searching is completed, click on 'Show results'		The results have a license information attached; euromuse attached it like the testuser did through the 'Access Policies' page. The license information is updated when the local cache of the data providers is refreshed automatically, namely once a day.	0	0	0	SPK	
Qs2.4	Qs2			View results with license	log in with your account go in 'Search Data' -> 'Qualified Search' - do any search on 'biella' as data provider - when searching is completed, click on 'Show results'		The results have no license information attached	0	0	x	SPK	No results!
Qs3			Home		User takes overview of services							
Qs3.1	Qs3			Take oveview of configuration	logged in with your account go on 'Home' check the status of the services		The status of the available services should be shown (active or not, missing configurations and links to the respective configuration pages)	0	0	0	SPK	
End of tests for Qualified Search												

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	#####	Who	Actual Result
								#####	Who	#####	Who	#####	Who	
Qs-END1				Change your type of account	log in with your user - go on 'Manage' -> 'Control Panel' on the top left - select 'Roles' from the menu - on 'Qualified Search' click 'Actions' and then 'Assign members' - click on the 'Current' tab and uncheck your account, then click on 'Update Associations' on top of the list - (*) click on 'View all' and assign yourself the role of your next tests: - on the selected role click 'Actions' -> 'Assign members' - click on the 'Current' tab and check your account, then click on 'Update Associations' on top of the list ** - click on 'Back to HarmoSearch' on the top left	* necessary only if you have to test some other type of account (and corresponding excel sheet)	** you can check your new role, for instance, in the 'Control Panel' within 'My Account' (don't remove the extra roles 'User' and 'Super User'!) Once back to the portal, you'll see different entries in the operations menu	0	Promoter	0	Afidium	0	SPK	
Qs-END2				END *	<a href="#">Restore email of 'testuser'</a>	* Only if your tests end with the current type of account		0	Promoter	0	Afidium	0	SPK	

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	5/2/2013	Who	Actual Result	#####	Who
								0	Promoter	0	Afidium	0	SPK		0	Afidium
RL1 Referenced Lists User creates and uses a mapping of referenced lists																
RL1.1	RL1	RL1.11		Download Mapping Tool	Download the Mapping Tool (v4.0.3) from the portal in 'Configurations' -> 'Mapping Store'. To do this you can log in with user 'tester@mapping.tool', password 'testuser'. Choose the 32 or 64 bit version depending on your Windows OS. <u>Alternative (to shorten the download time):</u> Download the Mapping Tool from SVN at " <a href="#">07/Demonstration_Activities/MappingTool_64s-bit</a> "	It is important that your installation directory does not contain any spaces, otherwise the tool will not start		0	Promoter	0	Afidium	0	SPK		0	Afidium
RL1.2	RL1	RL1.11		Launch the Mapping Tool	Double click on the 'Flocke.exe' file	For ease of use, the tool on SVN has already a preloaded project containing the data mapping. The test consists in creating the mapping of reference lists		0	Promoter	0	Afidium	0	SPK		0	Afidium
RL-ext1				Open the editor for creating a mapping of data (between the concepts of two data schemas)	Within the Mapping Navigator View, open 'Mapping->museoliitto_mapping.harmonize' (double click or right-click: 'Open With->Harmonize Model Editor')	For ease of use, the preloaded project contains already a source and a destination schema, and a preexisting mapping. The test consists in extending the mapping with one new link.		0	Promoter (7/2/2013)			0	SPK (19/2/2013)		0	Afidium
RL-ext2				Add a mapping for the concept Category	1. Select Step 3 2. Select 'category' in the Target Schema list. 3. Find the 'categories' element in the Museoliitto source schema 4. Drag it onto the 'Link to Source' list in the Mapping(s) section, and select it (it is grey colored) 5. Select 'hto:SKOSCategory' listed in the Mapping Details section 6. Type 'http://www.tu.at/' (including the ') into the text field of the UniqueID parameter 7. Choose 'category_id' from the drop-down box of the value parameter a. Note, the 'category_id' is a sub element of categories and contains the actual value that has to be mapped. Thus, it must be specified as an input parameter for the hto:SKOSCategory mapping pattern. 8. Confirm your mapping by clicking the Confirm button. ('categories' becomes green colored) - save the project	This operation creates a new mapping link that maps a concept from the Museoliitto source reference list to a concept of the Harmonise target reference list. Thus, it is necessary to create also the mappings between the single values of the two (source and target) reference lists.		0	Promoter (7/2/2013)			0	SPK (19/2/2013)		0	Afidium

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	5/2/2013	o/w	Actual Result	#####	Who
								#####	Who	#####	Who	5/2/2013	o/w		#####	Who
RL-ext3				Recreate the output mapping file	1. Double-click the museoliitto_mapping.harmonize mapping file 2. Re-create the transformation output by clicking the 'Create and run Transformation' yellow arrow button in the toolbar 3. Close the Feedback View		The Feedback View shows you the output of running the mapping on a test input file (preloaded in the Input folder)	o	Promoter (7/2/2013)			x	SPK (19/2/2013)	In the feedback view (where I can see the result of the transformation - unfortunately only in xml, not in html-), the category is not matched: "<category>No matching concept found for: <a href="http://www.tu.at/Tanz/">http://www.tu.at/Tanz/</a> </category>" (see screenshot) see: <a href="http://euromuse.net/thorsten2/harmos">http://euromuse.net/thorsten2/harmos</a> earch/MT_categorie	o	Afidium
RL1.3	RL1	RL1.1 - RL1.11		Open the editor for creating a mapping of values (between two skosified reference lists)	Within the Mapping Navigator View, open 'Mapping->valuemapping.values' (double click or right-click: 'Open With->Value Mapping')	<i>For ease of use, the preloaded project contains already a source and a target reference list (represented as skos relations) and a sample mapping between the two (also expressed with skos terminology). Note that the source and target reference lists in this demo are loaded from the workspace on your file system (you can check with right-click: 'Open With-&gt;Text Editor') . But they could also be loaded from a public URL, clicking on the button above each value</i>		o	Promoter	o	Afidium	o	SPK		o	Afidium
RL1.4	RL1	RL1.1 - RL1.11		View the existing mapping	In the central tab below the value tree (Concept A - maps To Concept B) right-click and select 'Show All Relations'		The concept <a href="http://www.tu.at/Bildhauerei">http://www.tu.at/Bildhauerei</a> is mapped to the concept <a href="http://www.harmonet.org/sculpture">http://www.harmonet.org/sculpture</a>	o	Promoter	o	Afidium	o	SPK		o	Afidium
RL1.5	RL1	RL1.1 - RL1.11		Modify the existing mapping	In the values tab, select 'Tanz' on the left and 'dance' on the right - right-click and select 'Create Relation' - do the same for 'Malerei' and 'painting' - save the project		If you do again 'Show All Relations' on the below tab, you will see all three concept mappings	o	Promoter	o	Afidium	o	SPK		o	Afidium

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	5/2/2013	Who	Actual Result	#####	Who
								0	Promoter	0	Afidium	0	SPK		0	Afidium
RL1.6	RL1	RL1.1 - RL1.1.1		Make the values mapping available from a public queryable triple store	This step is done by the administrator, who uploads the file in the Fuseki server (which is the container of the semantic registry) of HarmoSearch. You may ask Claudio Prandoni or Marlis Valentini to substitute the actual file on the server with yours, or just check that your file looks like 'valuemapping-output.values' in the test folder, and proceed with the test.	The mapping of values is represented as skos relations between two skosified reference lists. The triple store is needed in order to interpret such type of mapping specification.	Check that your file looks like 'valuemapping-output.values' in the test folder	0	Promoter	0	Afidium	0	SPK		0	Afidium
RL1.7	RL1	RL1.1 - RL1.1.1		Upload the support libraries	This step is already done: the libraries needed by the schema mapping (in 'Museoliitto/Pattern') are already uploaded as private libraries on the portal		<u>Optional:</u> Logged in as tester@mapping.tool (passw: 'testuser') on the portal, you may check in 'Configurations'->'Mapping Store' that there are 4 private libraries for the 'testmappingtool' organization	0	Promoter	0	Afidium	0	SPK		0	Afidium
RL1.8	RL1	RL1.1 - RL1.1.1		Update the mapping file to reference correctly the support libraries	Open the file 'Output/museoliitto_mapping2hto.xml', and, if necessary (*), update the 2 <xsl:include> instructions with: <xsl:include href="../../../privateSupportLibs/htov2-1-extension.xml"/> <xsl:include href="../../../privateSupportLibs/htov2-1.xml"/>	<i>* When a test transformation is run, the include paths are updated automatically to link to the libraries in your workspace</i>		0	Promoter	0	Afidium	W	SPK	the output file museoliitto_mapping2hto.xml" already had both lines	0	Afidium
RL1.9	RL1	RL1.1 - RL1.1.1		Upload the schema mapping file on the portal (from your local system to HTO)	log in with user 'tester@mapping.tool', password 'testuser' - go in 'Configurations' -> 'Mapping Store' - insert 'events' as collection id - choose 'Upload mapping from local system to Harmonise ontology (for sending data)' - select the mapping from local system to Harmonise ontology (choose the file 'Output/museoliitto_mapping2hto.xml') select 'default for sending events' click on 'Send' and check for the success message on top of the page	<i>The upload of mappings is also be available as Web Service invocation to the portal. However the current version of the Mapping Tool lacks still the GUI that allows this operation.</i>  <i>The uploaded mapping references on one hand the support libraries and the other hand the separated mapping of values, which is implemented as skos relations between two skosified reference lists. This implies that Fuseki is involved in interpreting the part of</i>	The mapping is listed in the box at the end of the page.	0	Promoter		Afidium	0	SPK		0	Afidium

Id	Parent	Sequence	Action	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	5/2/2013	Who	Actual Result	#####	Who
								#####	Who	#####	Who	5/2/2013	Who		#####	Who
RL1.10		RL1.11		Execute a push	logged in as 'tester@mapping.tool', go in 'Exchange Data' -> 'Share Data' and select 'Push Data' select 'Test' as receiver and the file 'Museoliitto/Input/museoliitto.xml' (available in the workspace of the MappingTool) as data file click on 'Send'		Screen message and Operation Status report the success of the operation.  Log in as 'testuesr@test.user', password 'testuser' - go in 'Data Repository' -> 'Inbox' - download the just received file and check that the occurrence of Tanz has been mapped into 'http://www.harmonet.org/dance'	O	Promoter		Afidium	O	SPK		O	Afidium
RL1.11		RL1.11 -		Remove schema mapping	log in with user 'tester@mapping.tool', password 'testuser' - go in 'Configurations' -> 'Mapping Store' - delete the mapping from local system to HTO		The mapping is no more listed in the box at the end of the page.	O	Promoter		Afidium	O	SPK		O	Afidium

Id	Parent	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result
Crawler: Viewing Crawl Jobs										
C1.1	C1	View the identifiers and current states of all crawl jobs	log in as testuser ('testuser@test.user', password: testuser) go in 'Configurations'->'Crawler'		On the top there appear two lists, showing the current crawl jobs for microformat pages (first list) and for ics data (second list), which correspond to the xml list	O	Promoter		Afidium	
Crawler: Adding a Crawl Job										
C2.1	C2	Add a new microformats crawl job	go to the crawler portlet and add a new crawl job: - job identifier: 'TestJob' - max pages to fetch: 50 - max crawl depth: 1 - politeness delay: 1000 - User Agent: HarmoSearch WebCrawler - solr host: http://harmosearchdev.harmonet.org:8983/solr - only crawl text data - seed urls: http://www.euromuse.net/index.php?id=654 - stay on same host		The new crawl job appears in the list of crawl jobs on the top of the page.	O	Promoter	W	Afidium	Worked, but I noticed there was already the same crawl job in the list (not deleted from a previous test ?
C2.2	C2	Add a new calendar crawl job	go to the crawler portlet and add a new calendar crawl job: - identifier: 'CalendarTestJob' - solr host: http://harmosearchdev.harmonet.org:8983/solr - calendar urls: http://www.schulferien.org/iCal/Ferien/icals/Ferien_Bayern_2013.ics click on the create-Button		The new crawl job appears in the list of calendar crawl jobs on the top of the page.	O	Promoter	W	Afidium	Worked, but I noticed there was already the same crawl job in the list (not deleted from a previous test ?
Crawler: Launching Crawl Jobs										
C3.1	C3	Clear up the local index of crawled data	<u>Note:</u> if you want to have evidence of a change in the results after having launched a crawling process, it is necessary to clear up the whole local index. Otherwise, there is evidence of a change only if the crawled sites have been updated since a crawling job was launched the last time. In that case, the number of results will be higher.  <u>Optional (see Note above):</u> Ask an administrator - Marlis Valentini - (otherwise Claudio Prandoni) to reset the local index		If you do a metasearch on local indexed data, you get no results (if the local index was not cleaned up, then take note of the number of results you get):  - logged as 'testuser', go on 'Search Data' -> 'Metasearch' - execute a Simple Search selecting 'euromusemf' as dataprovider - you get 0 results (otherwise take note of the number)	O	Promoter	W	Afidium	testing crawler (on the "portal" file), test C3.1, I had 88 results (see previous step as some crawl jobs were already present)

Id	Parent	Name	Description	Comment (and alternatives)	Expected Output	#####	Who	#####	Who	Actual Result
						0	Promoter	0	Afidium	
C3.2	C3	Launch a single microformats crawl job	go to the crawler portlet - select a microformats crawl job (your 'testJob') in the first list of crawl jobs - click on "start job"		The chosen site is crawled and the found information is stored in solr (database with the local index). if you run a Metasearch, selecting 'euromusemf' as data provider, you get some results (if the local index was not cleaned up, you may just get more results than before running the crawl job, but only if the target site was recently updated)	0	Promoter	0	Afidium	
C3.3	C3	Launch a single ICS crawl job	go to the crawler portlet - select an ics crawl job (your 'CalendarTestJob') in the second list of crawl jobs - click on "start job"	<i>The test site used here, which is hosting events in Calendar format (ICS), is not included among the data providers of HarmoSearch. Thus, the local index is updated including these events, but Metasearch does not return such results.</i>	The chosen ICS (Calendar) site is crawled and the found information is added in solr (local index) You can check directly in the local index if it contains the events. Go on: <a href="http://harmosearchdev.harmonet.org:8983/solr/admin/">http://harmosearchdev.harmonet.org:8983/solr/admin/</a> and insert as query string: dataProvider:http*schulferien*	0	Promoter	0	Afidium	
C3.4	C3	Launch all the stored crawl jobs	go to the crawler portlet - click on the "Start all Jobs" button	<i>Again, the change in results becomes evident only if the administrator cleans up the database with the local index.</i>	All crawl jobs are launched. The new information is stored in solr	0	Promoter	0	Afidium	
<b>Crawler: Deleting a Crawl Job</b>										
C4.1	C4	Delete a certain Microformat crawl job	go to the crawler portlet - choose the 'testJob' crawl job from the list of Crawl Jobs - click on the "delete job" link next to this job		The crawl job is deleted from the list of crawl jobs. Additionally it is also deleted from the internal list of scheduled crawl jobs (if 'enable Scheduler' checkbox was set)	0	Promoter	0	Afidium	
C4.2	C4	Delete a certain Calendar crawl job	go to the crawler portlet - choose the 'CalendarTestJob' crawl job from the list of Calendar Crawl Jobs - click on the "delete job" link next to this job		The crawl job is deleted from the list of crawl jobs. Additionally it is also deleted from the internal list of scheduled crawl jobs (if 'enable Scheduler' checkbox was set)	0	Promoter	0	Afidium	

Id	Parent	Action	Name	Description	Comment (and alternatives)	5/2/2013	Who	Actual Result	15/2/2013	Who	Actual Result	18/2/2013	Who	Actual Result
<b>Doc1</b>					<b>User creates and manages his account</b>									
Doc1.1	Doc1	Registration and Profile	Registration page	Content of the user registration page	User registration page allows creation of a new user. It contains fields, menus, buttons.	O	Afidium		W	SPK	be consistent with register and log out, in the registration form (underneath) there is still the possibility to "sign in", should be "log in"	W	Afidium	I agree we should have the same wording (login / login ...)
Doc1.2	Doc1		Documentation of the user registration page	<a href="http://harmosearchdev.harmonet.org/help-account-management">http://harmosearchdev.harmonet.org/help-account-management</a>		W	Afidium	documentation is ok, but the support button isn't here until the user is logged. I doubt user may need help here but if so he couldn't access doc from this page (link missing)	W	SPK	From the registration page you cannot access the help topic create-account. Just if the user is logged in. There could be a basic help desk for non registered users (The harmosearch services, User roles, Harmosearch participants and from account management create an account). see <a href="http://harmosearchdev.harmonet.org/to">http://harmosearchdev.harmonet.org/to</a>	W	Afidium	I agree we should be able to access some basic doc (account, roles, main features... before creating an account. At least to understand the role selection.
Doc1.3	Doc1		Content of user profile editing form	Configurations -> Edit Profile page has user information fields to change the user's account details		O	Afidium		O	SPK		O	Afidium	
Doc1.4	Doc1		Documentation of the user profile editing form	<a href="http://harmosearchdev.harmonet.org/topic-edit-profile">http://harmosearchdev.harmonet.org/topic-edit-profile</a>		W	Afidium	Generally speaking, online doc is ok, clear and well illustrated. I noticed a few typos which were sent by mail to Claudio & marlis	W	SPK	do you mean this? <a href="http://harmosearchdev.harmonet.org/help-account-management">http://harmosearchdev.harmonet.org/help-account-management</a>	W	Afidium	Maybe this section could be more developed (explain which info can be changed for each of the links in the sidebar)
<b>Doc2</b>					<b>A user performs metasearch by using the search fields of the user interface or by posting directly HarmoSearch</b>	O								
Doc2.1	Doc2	Metasearch	Content of the Metasearch page	Overall structure of the page. Simple, advanced and response block will be detailed in different area		O	Afidium		W	SPK	as combining simple and advance search, when landing in this page that the simple search is extended is good, but should be constrained when clicking in advance search... it is either one of both, not both.	O	Afidium	Ok for me, it is true that an auto expand collapse would be nice, but I think would require a clearer style for collapsed titles (a + for instance)
Doc2.2	Doc2		Content of the Simple Search	Simple search area		O	Afidium		O	SPK		O	Afidium	
Doc2.3	Doc2		Content of the Advanced Search	Advanced search area		O	Afidium		W	SPK	it is not resizeable, it could expand to be able to comfortably edit the query.	W	Afidium	Indeed, the picto is confusing (it means we can resize it)

Id	Parent	Action	Name	Description	Comment (and alternatives)	5/2/2013	Who	Actual Result	15/2/2013	Who	Actual Result	18/2/2013	Who	Actual Result
Doc2.4	Doc2	Qualified Search	Content of the Result area	Result list area		O	Afidium		W	SPK	if the results are more than 8, they are paginated, sometimes the link to next page and previous page were not active. Other times, the page would load with a long white space under the first page of results.	O	Afidium	
Doc2.5	Doc2		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-metasearch">http://harmosearchdev.harmonet.org/topic-metasearch</a>		W	Afidium	Also, some contextual help could be helpful when an error message appears ("see [the related doc topic]")		SPK		W	Afidium	Same comment
Doc3				A user gets only a restricted maximum number of search results sorted by different possible score criteria										
Doc3.1	Doc3		Content of the page	Overall structure of the page + single input fields, menus and buttons.	The page contains search criteria to filter the results, sorting criteria to order by score, and a field to set the maximum number of events to show.	O	Afidium		W	SPK	as I commented during testing, I do not understand what is "multiple occurrences". The criteria is not very well defined, I like the completeness of information, multilinguality should be also a criteria by which SPK would like to search data	O	Afidium	indeed, you could add details on "occurrence" in mouse over
Doc3.2	Doc3		Content of the Result area	Result list area	A separate page shows the results with some added information on completeness of information (availability of title, image, documentation, etc), multiple occurrences between different providers, sponsored events, license information.	O	Afidium		O	SPK		O	Afidium	
Doc3.3	Doc3		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-qualified-search">http://harmosearchdev.harmonet.org/topic-qualified-search</a>		O	Afidium			SPK		O	Afidium	
Doc4		Provider		A user queries directly the semantic registry		O	Afidium							

Id	Parent	Action	Name	Description	Comment (and alternatives)	5/2/2013	Who	Actual Result	15/2/2013	Who	Actual Result	18/2/2013	Who	Actual Result
Doc4.1	Doc4	Browse Data	Content of the page	Overall structure of the page + single input fields, menus and buttons.		o	Afidium		w	SPK	how about change the order, select your type of query, button Check providers and leave the table out, or make it appear when the providers are listed. It is strange that from here, it is not possible to contact data provider, or ask permission to retrieve data from data provider or something like this, at least a link to the suscribe a service	o	Afidium	
Doc4.2	Doc4		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-browse-data-providers">http://harmosearchdev.harmonet.org/topic-browse-data-providers</a>		o	Afidium			SPK		o	Afidium	
Doc5		Import		A user imports data from multiple distributed providers										
Doc5.1	Doc5		Content of the page	Overall structure of the page + single input fields, menus and buttons.	The page allows to import by using the search fields of the user interface or by inserting a HarmoSearch query (more complex operations are possible) External services can be included in the process	o	Afidium		o	SPK		o	Afidium	
Doc5.2	Doc5		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/help-import-data">http://harmosearchdev.harmonet.org/help-import-data</a>		o	Afidium			SPK		o	Afidium	
Doc6		Upload Data		A user uploads data through a form										
Doc6.1	Doc6		Content of the page	Overall structure of the page + single input fields, menus and buttons.	The form allows both to send an event to HarmoSearch participants and to publish events on social networks	o	Afidium		w	SPK	se comments of last release	o	Afidium	
Doc6.2	Doc6		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-push-to-a-harmosearch-participant">http://harmosearchdev.harmonet.org/topic-push-to-a-harmosearch-participant</a>		o	Afidium			SPK		o	Afidium	
Doc7		Share Data		A user sends data from though a file (xml or excel)										
Doc7.1	Doc7		Content of the page	Overall structure of the page + single input fields, menus and buttons.	The page allows both to send events expressed as xml in some format (also bypassing the schema mapping) and to send events contained in an Excel file. The events may be sent to HarmoSearch participants or published on social networks	o	Afidium		w	SPK	i would still like it to be able to download the excel file that can be inserted if I do not have a mapping set up.	w	Afidium	indeed, such a file could be useful

					5/2/2013			15/2/2013			18/2/2013		
Id		Parent	Action	Name	Description	Comment (and alternatives)	Who	Actual Result	Who	Actual Result	Who	Actual Result	
Doc7.2		Doc7	Scheduler	Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-push-to-a-harmosearch-participant">http://harmosearchdev.harmonet.org/topic-push-to-a-harmosearch-participant</a>		O	Afidium		SPK		Afidium	
Doc8					A user schedules regular automatic operations		O	Afidium					
Doc8.1		Doc8		Content of the page	Overall structure of the page + single input fields, menus and buttons.	The page allows to schedule push, publish and import operations. Pushing and publishing takes the data from the sender, thus a query service must be set up.	O	Afidium		W	SPK	if i (SPK) want to schedule an import from a url where exhibitions from a member data provider (case of museoliitto and spk) are dumped (no password); it would be nice to be able to enter the url where the data is dumped in the field "data to send".	Afidium
Doc8.2		Doc8		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-scheduled-publish">http://harmosearchdev.harmonet.org/topic-scheduled-publish</a>		O	Afidium			SPK		Afidium
Doc9			Confirm Publishing		A user reviews events before publishing on social networks		O	Afidium					
Doc9.1		Doc9		Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		W	SPK	I do not like that the service discards the not published events automatically after publishing one.... If they are not discarded, you could add a button beside "publish selected", with "delete selected"	Afidium
Doc9.2		Doc9		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-publish-on-social-network">http://harmosearchdev.harmonet.org/topic-publish-on-social-network</a>		O	Afidium			SPK		Afidium
Doc10			n Status		A user checks the status of current and past operations		O	Afidium					

Id	Parent	Action	Name	Description	Comment (and alternatives)	5/2/2013	Who	Actual Result	15/2/2013	Who	Actual Result	18/2/2013	Who	Actual Result
Doc10.1	Doc10	Operation	Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		O	SPK		O	Afidium	
Doc10.2	Doc10		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-import-operation-status">http://harmosearchdev.harmonet.org/topic-import-operation-status</a>		O	Afidium			SPK		O	Afidium	
Doc11.1	Doc11	Data repository		A user has access to the sent and received data		O	Afidium							
Doc11.2	Doc11		Content of Inbox	Overall structure of the page		O	Afidium		O	SPK		O	Afidium	
Doc11.3	Doc11		Content of Outbox			O	Afidium		O	SPK		O	Afidium	
Doc11.4	Doc11		Content of Sentbox			O	Afidium		O	SPK		O	Afidium	
Doc11.5	Doc11		Content of Querybox			O	Afidium		O	SPK		O	Afidium	
Doc11.6	Doc11		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-publish-operation-status">http://harmosearchdev.harmonet.org/topic-publish-operation-status</a>		O	Afidium			SPK		O	Afidium	
Doc12.1	Doc12	Access Policies		A user can specify the permissions to access services and the licenses on the data		O	Afidium							
Doc12.2	Doc12		Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		O	SPK		O	Afidium	
Doc12.3	Doc12		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-access-policies-and-licenses">http://harmosearchdev.harmonet.org/topic-access-policies-and-licenses</a>		O	Afidium			SPK		O	Afidium	
Doc13.1	Doc13	Mapping Store		A user uploads the mappings to translate data from and to his data schema		O	Afidium							
Doc13.2	Doc13		Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		O	SPK		O	Afidium	
Doc13.3	Doc13		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-provider-configure-mappings">http://harmosearchdev.harmonet.org/topic-provider-configure-mappings</a>		O	Afidium			SPK		O	Afidium	
Doc14		Service		A user can specify which mapping version to use for each specific operation and personalize the location for receiving push and query results		O	Afidium							

Id	Parent	Action	Name	Description	Comment (and alternatives)	5/2/2013	Who	Actual Result	15/2/2013	Who	Actual Result	18/2/2013	Who	Actual Result
Doc14.1	Doc14.1	Exchange Data	Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		O	SPK		O	Afidium	
Doc14.2	Doc14.2		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-configure-mappings">http://harmosearchdev.harmonet.org/topic-configure-mappings</a>		O	Afidium			SPK		O	Afidium	
Doc15	Doc15	Social Networks		<b>A user can give permission to HarmoSearch to publish events on his behalf</b>		O	Afidium							
Doc15.1	Doc15.1		Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		W	SPK	Facebook: I still think we should be able to choose to which facebook profile we send data (see comments from last release) Twitter: we have a problem with complete urls... as you know the max space available are 140 characters, so even if now the information displayed is satisfactory, the url remains inactive, output only the exhibition title in one language (english)? in the pic you can compare what the rss delivers and what harmosearch delivers see : <a href="http://SPK.net/thorsten2/harmosearch/t">http://SPK.net/thorsten2/harmosearch/t</a>	O	Afidium	
Doc15.2	Doc15.2		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-configure-social-networks">http://harmosearchdev.harmonet.org/topic-configure-social-networks</a>		O	Afidium			SPK		O	Afidium	
Doc16	Doc16	Manage Services		<b>A user can add his own services into the HarmoSearch workflow of operations</b>		O	Afidium							
Doc16.1	Doc16.1		Content of the page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		W	SPK		O	Afidium	
Doc16.2	Doc16.2		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-add-external-service">http://harmosearchdev.harmonet.org/topic-add-external-service</a>		O	Afidium			SPK		O	Afidium	
Doc17	Doc17	Service Policies		<b>A user can subscribe to external services and can specify the access policies for his own services</b>		O								
Doc17.1	Doc17.1		Content of 'Subscribe to Service' page	Overall structure of the page + single input fields, menus and buttons.		O	Afidium		O	SPK		O	Afidium	
Doc17.2	Doc17.2		Content of 'Service Policies' page			O	Afidium		O	SPK		O	Afidium	

Id	Parent	Action	Name	Description	Comment (and alternatives)	5/2/2013	Who	Actual Result	15/2/2013	Who	Actual Result	18/2/2013	Who	Actual Result
Doc17.1	Doc17	Home	Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-service-access-policies">http://harmosearchdev.harmonet.org/topic-service-access-policies</a>		O	Afidium			SPK		O	Afidium	
Doc18.1				<b>A user takes overview of the available services</b>		O								
Doc18.1.1	Doc18		Content of home page (after login)	Home page contains overview of services (active or not, missing configurations, links to configuration pages)		O	Afidium		O	SPK		O	Afidium	
Doc18.2	Doc18		Content of home page (without login)	Home page has text and registration and login buttons		O	Afidium		W	SPK	From the registration page you cannot access the help topic create-account. Just if the user is logged in. There could be a basic help desk for non registered users (The harmosearch services, User roles, Harmosearch participants and from account management create an account). see <a href="http://harmosearchdev.harmonet.org/to">http://harmosearchdev.harmonet.org/to</a>	W	Afidium	see user registration comments
Doc18.3	Doc18		Documentation of the Page	<a href="http://harmosearchdev.harmonet.org/topic-login">http://harmosearchdev.harmonet.org/topic-login</a>		O						O		
Doc19	Doc19	Web Services		<b>A user takes overview of the available services</b>										
Doc19.1	Doc19		Documentation of Web Services for Import of Events and Accommodations (Simple Search)	See 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasearch engine			Afidium							
Doc19.2	Doc19		Documentation of Web Services for Import of Events and Accommodations (Advanced Search)	See 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasearch engine			Afidium							
Doc19.3	Doc19		Documentation of Web Services for Push of Events and Accommodations	See 'Annex_D_4_3_Web Service APIs Specifications_v0.3.docx' file available in SVN at /04_Query_Mapping/metasearch engine			Afidium							

ID	Name	Description	Expected Output	Notes / Explanation	#####	Who	Actual Result	#####	Who	Actual Result
<b>SemReg0 Data Provider registers a new query service, browses the semantic registry, and verifies its behaviour within the metasearch process</b>										
		<u>Comment: the number of results described in the 'Expected Output' column may change in time, because the metasearch is an online operation that queries external data providers</u>		In order to understand better the tests, at the bottom of the sheet there is a description of what the semantic registry "knows" about the data providers 'biella', 'euromuse' and 'euromusemf' (euromusemf is the local index that contains crawled Microformat metadata from the euromuse web site) The evaluation starts with 'Test' organization having no data provider attached						
SR0	Clean up if necessary	log in as testuser ('testuser@test.user', password: testuser) - go on 'Configurations' -> 'Query Service' - click on the Data Provider(s) attached to your organisation if it/they exists click on 'Delete Provider' (DO NOT DELETE THE PARTICIPANT)			o	Afidium		o	ectrl	
SR1	Add query service for a new HarmoSear ch data provider	- go in 'Configurations' -> 'Query Service' click on 'Test' - go on panel 'Create and attach a new Data Provider' and insert an id (e.g. TestDataprovider (no whitespaces!)) - click on 'Create' and insert the following parameters: - 'Test Data Provider' as Provider Name - 'events' as collectionId - 'http://www.euromuse.net/harmonise/query/query.php' as service access endpoint (no whitespaces!) - 'karin' as username and password - 'HTTPAdapter' as Connector class - select 'METASEARCH' as operation - 'Event' as Subdomain - click on 'Save Changes' - click 'Edit Data Description' and select <u>'events in Berlin'</u> - click on 'Save Changes'	If you go back to the view 'Harmonise Participant Details' (back to list), the new data provider is attached to your organization ('Test')	A new data provider is registered for 'Test' organization. The data provider is added by specifying where and how the online query service is accessed. An important step is the 'Data Description', which is used by the semantic registry to filter the input queries of a metasearch process, selecting only the relevant providers to be involved. Note also, that the query service registered here corresponds to the data provider of 'euromuse', which is already a HarmoSear ch provider. Thus, the results coming from 'Test' will be the same as those from 'euromuse'.	w	Afidium	confusing screen : edit description. We may not save before	o	ectrl	
SR2	Browse Registry ( <u>events in Berlin</u> )	go on 'Search Data' -> 'Browse Data Providers' - select <u>'events in Berlin'</u>	3 providers returned  "Test" is listed as relevant data provider by the semantic registry (together with 'euromuse' and 'euromusemf')	Consistent with the 'Data Description' of the data provider, the semantic registry considers 'Test' as relevant in a query that looks for 'events in Berlin'	o	Afidium		o	ectrl	

SR3	Metasearch (events in Berlin)	go on 'Search Data' -> 'Metasearch' - select 'Germany' and 'Berlin' - click on 'Search'	Message says: Contacted providers 3  Total results: 215 (71 euromusemf, 72 euromuse, 72 Test)	All 3 data providers that are considered relevant are involved in the metasearch.	o	Afidium	o	ectrl	but very slow!, several minutes to get the results
SR4	Browse Registry (cultural events in Berlin)	go on 'Search Data' -> 'Browse Data Providers' - select ' <u>cultural events in Berlin</u> '	1 provider returned  "Test" is the only relevant data provider listed by the semantic registry	'events in Berlin' is more generic than 'cultural events in Berlin', thus 'Test' is considered relevant for the query	o	Afidium	o	ectrl	
SR5	Metasearch (cultural events in Berlin)	go on 'Search Data' -> 'Metasearch' - select 'Germany' and 'Berlin' - select 'cultural' as category - click on 'Search'	Message says: Contacted providers 1  Total results: 72 from Test	Note that the search results are all in Berlin, but the category seems not to match: it means that the query of HarmoSeach looking for cultural events has been mapped, for the 'Test' data provider, into a query that includes all categories, either because cultural was mapped into all categories, or because cultural was not mapped, and the query service on Test (which corresponds to euromuse) did not consider that value / category within its local search engine	o	Afidium	o	ectrl	very slow!
SR6	Browse Registry (events in Biella)	go on 'Search Data' -> 'Browse Data Providers' - select ' <u>events in Biella</u> '	3 providers returned  But 'Test' is NOT a relevant data provider listed by the semantic registry	'events in Berlin' excludes 'events in Biella' thus 'Test' NOT is considered relevant for the query	o	Afidium	o	ectrl	
SR7	Metasearch (events in Biella)	go on 'Search Data' -> 'Metasearch' - select 'Italy' and 'Biella' - click on 'Search'	Message says: Contacted providers 3 (biella, euromuse and euromusemf)  Total results: 10 total. all from Biella 3 providers returned	'euromuse' and 'euromusemf' are involved because in the registry's data description (see * below) they have events in Italy (thus, in Biella). This does not mean that they actually have instances of events in Biella.	o	Afidium	o	ectrl	
SR8	Browse Registry (modern art exhibitions)	go on 'Search Data' -> 'Browse Data Providers' - select ' <u>modern art exhibitions</u> '	"Test" is listed as relevant data provider by the semantic registry (together with 'euromuse' and 'euromusemf')	'events in Berlin' includes 'modern art exhibitions (everywhere)' thus 'Test' is considered relevant for the query	o	Afidium	o	ectrl	
SR9	Metasearch (modern art exhibitions)	go on 'Search Data' -> 'Metasearch' - select 'modern art exhibitions' as category - click on 'Search'	Message says: Contacted providers 3 (Test, euromuse and euromusemf) Total results: 50 (25 from Test and 25 from euromuse, 0 from euromusemf)	'euromuse' and 'euromusemf' are involved because in the registry's data description (see * below) it states that they have modern art exhibitions. This does not mean that they necessarily have instances of such events (in fact, euromusemf has not).	o	Afidium	o	ectrl	

SR10	Browse Registry (events in Italy)	go on 'Search Data' -> 'Browse Data Providers' - select ' <u>events in Italy</u> '	3 providers returned  But 'Test' is NOT a relevant data provider listed by the semantic registry	'events in Berlin' excludes 'events in Italy' thus 'Test' NOT is considered relevant for the query	o	Afidium	o	ectrl
SR11	Metasearch (events in Italy)	go on 'Search Data' -> 'Metasearch' - select 'Italy' - click on 'Search'	Message says: Contacted providers 3 (biella, euromuse and euromusemf) Total results: 32 total (4 from euromusemf, 10 from biella, 18 from euromuse)	'euromuse' and 'Test' are the same provider, thus 'Test' would have some events in Italy. But the registry excludes it from the metasearch, because its 'Data Description' says it hosts (only): 'events in Berlin (Germany)'.	o	Afidium	o	ectrl
SR12	Modify (GENERALISE) 'Data Description' of the Test data provider	go in 'Configurations'->'Query Service' click on 'Test' - click on the attached data provider ('Test Data Provider') - at the bottom, click on 'Edit Data Description' - select ' <u>events</u> ' - click on 'Save Changes'		Now the Data Description of the provider includes every search criteria, and 'Test' is involved in every metasearch of events	o	Afidium	o	ectrl
SR13	(Repeated) Metasearch (events in Italy)	go on 'Search Data' -> 'Metasearch' - select 'Italy' - click on 'Search'	Message says: Contacted providers 4 (Test, biella, euromuse and euromusemf) Total results: 50 total (4 from euromusemf, 10 from biella, 18 from euromuse, 18 from Test)	This time 'Test' was not filtered by the semantic registry, like it was when the Data Description was: 'events in Berlin (Germany)'	o	Afidium	o	ectrl
SR14	Clean up	go in 'Configurations'->'Query Service' click on 'Test' - click on the attached data provider ('Test Data Provider') - click on 'Delete Provider' (DO NOT DELETE THE PARTICIPANTS)	There is no attached provider any more, and in Metasearch 'Test' is no more listed in the drop down menu		o	Afidium	o	ectrl

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## **APPENDIX C. ACCEPTANCE NOTES**

This section gathers all acceptance notes validated by the partners for each release.



FP7-SME-1  
Project no. 262289

## **HARMOSEARCH**

Harmonised Semantic Meta-Search in  
Distributed Heterogeneous Databases



## **Acceptance Note for Release 1**

### **Definition of the key components for the Harmosearch platform**

## **STRICTLY CONFIDENTIAL**

Start date of project: 2010-12-01

Duration: 27 month

Project funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
<b>PU</b>	Public	
<b>PP</b>	Restricted to other participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the Consortium (including the Commission Services)	<b>X</b>

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## **DELIVERY CONTENT**

### **1.1 SOFTWARE**

Release 1 does not correspond to a specific deliverable but to the first release of independent components of the Metasearch Core engine.

Content of release 1 encompasses:

- The definition of the Harmosearch Query Language ontology
- The semantic registry component (implementation of query language for the registry)
- The meta search core Engine implementation (login, user and accounts management, file upload and download)
- The crawler prototype based on micro format semantic annotations

At present, no integration is in place and a complete search is not possible.

### **1.2 DOCUMENTATION**

NOT APPLICABLE

## FORMAL ACCEPTANCE

### 2.1 SME ACCEPTANCE

This section contains the list and status for each partner

NR	CHECK	YES / NO / Conditional
1	X+O BUSINESS SOLUTIONS GMBH	YES
2	ECTRL SOLUTIONS SRL	YES
3	EC3 Networks GmbH	YES
4	Lehmann & Werder Museumsmedien	YES
5	AFIDIUM	YES

### 2.2 OTHER PARTNER COMMENTS

NO COMMENT

### 2.3 CONSORTIUM ACCEPTANCE

The consortium thereby accepts this release and considers that it covers requirements.

## **CONDITIONS AND NON ACCEPTANCE NOTES**

NOT APPLICABLE

## **APPENDIX: TEST SUMMARY**

Attached to this document are the Excel files detailing the tests that were performed and justifying the level of acceptance for the delivery.

Tests that did not pass corresponded to either new requirements and have been entered in the list of requirements or to configuration issues that will be solved and tested in the next release. That was not considered an issue since no operation is expected between this release and the next one.

- Test Case Release 1 - Crawler.xlsx
- Test Case Release 1 - Portal.xlsx
- Test Case Release 1 - Query.xlsx
- Test Case Release 1 - Semantic Registry.xlsx



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Project no. 262289

## **HARMOSEARCH**

Harmonised Semantic Meta-Search in  
Distributed Heterogeneous Databases



## **Acceptance Note for Release 2**

**Integration of the different components in order to  
have a metasearch running**

## **STRICTLY CONFIDENTIAL**

Start date of project: 2010-12-01

Duration: 27 month

Project funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
<b>PU</b>	Public	
<b>PP</b>	Restricted to other participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the Consortium (including the Commission Services)	<b>X</b>

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**CONDITIONS AND NON ACCEPTANCE NOTES ..... 5**

**APPENDIX: TEST SUMMARY..... 6**

## **DELIVERY CONTENT**

### **1.1 SOFTWARE**

Release 2 does not correspond to a specific deliverable but to the second release of the integrated Metasearch Core engine and of the first release of the mapping tool.

Content of release 2 encompasses:

- The meta search core Engine implementation (login, user and accounts management, file upload and download) with
- The integrated semantic registry
- The integrated crawler
- The integrated query engine

A complete search is now possible.

The mapping tool is present in the release

### **1.2 DOCUMENTATION**

NOT APPLICABLE

## FORMAL ACCEPTANCE

### 2.1 SME ACCEPTANCE

This section contains the list and status for each partner

NR	CHECK	YES / NO / Conditional
1	X+O BUSINESS SOLUTIONS GMBH	<b>Conditional</b>
2	ECTRL SOLUTIONS SRL	<b>Conditional</b>
3	EC3 Networks GmbH	<b>Conditional</b>
4	Lehmann & Werder Museumsmedien	<b>Conditional</b>
5	AFIDIUM	<b>Conditional</b>

### 2.2 OTHER PARTNER COMMENTS

NO COMMENT

### 2.3 CONSORTIUM ACCEPTANCE

The consortium thereby accepts the Metasearch Core Engine part of the release and considers that it covers requirements.

**However, the mapping tool has been accepted with conditions.**

## **CONDITIONS AND NON ACCEPTANCE NOTES**

The mapping tool in its present state is not usable for non technical experts. This is not compliant with the initial expectations. To remedy this situation a number of actions have been agreed with the RTD partner (see document workplan15-11-2011.doc) .

## **APPENDIX: TEST SUMMARY**

Attached to this document are the Excel files detailing the tests that were performed and justifying the level of acceptance for the delivery.

Tests that did not pass corresponded to either new requirements and have been entered in the list of requirements or to configuration issues that will be solved and tested in the next release. That was not considered an issue since no operation is expected between this release and the next one.

- Test Case Release 2 - MetaSearch.xlsx
- Test Case Release 2 - Mapping Tool.xlsx



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## **HARMOSEARCH**

Harmonised Semantic Meta-Search in  
Distributed Heterogeneous Databases



## **Acceptance Note for Release 3**

**First Complete Harmosearch version on one domain,  
with minimal features**

## **STRICTLY CONFIDENTIAL**

Start date of project: 2010-12-01

Duration: 27 month

Project funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
<b>PU</b>	Public	
<b>PP</b>	Restricted to other participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the Consortium (including the Commission Services)	<b>X</b>

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**CONDITIONS AND NON ACCEPTANCE NOTES ..... 5**

**APPENDIX: TEST SUMMARY..... 5**

## **DELIVERY CONTENT**

### **1.1 SOFTWARE**

Release 3 does not correspond to a specific deliverable but to the first release of the complete Harmosearch system with the mapping tool integrated.

Content of release 3 encompasses for the events subdomain:

- The integration of the mapping tool into the system: download install from portal/ Assisted mapping upload and mapping validation
- The enhance mapping tool to map the queries as well
- The integration of a basic user interface for registry definition
- The complete metasearch interface and a functional API (web service)
- The implementation of scheduling capacity including a user interface to parameter the scheduler

In addition to the actual release additional work has been performed to define how to

- Have reference list mapping methodology with one base reference list for mapping
- Manage parameters on mapping (language, currency...)
- Register a new provider from the portal (crawler and API)
- Register and setup a new organisation (providers and consumers)

The enhanced mapping tool is present in the release

### **1.2 DOCUMENTATION**

NOT APPLICABLE

## FORMAL ACCEPTANCE

### 2.1 SME ACCEPTANCE

This section contains the list and status for each partner

NR	CHECK	YES / NO / Conditional
1	X+O BUSINESS SOLUTIONS GMBH	<b>Conditional</b>
2	ECTRL SOLUTIONS SRL	<b>Conditional</b>
3	EC3 Networks GmbH	<b>Conditional</b>
4	Lehmann & Werder Museumsmedien	<b>Conditional</b>
5	AFIDIUM	<b>Conditional</b>

### 2.2 OTHER PARTNER COMMENTS

NO COMMENT

### 2.3 CONSORTIUM ACCEPTANCE

The consortium thereby accepts this release and considers that it covers requirements on the portal. The mapping tool is accepted as a prototype, provided it is transformed in the next release to take into account the usability requirements

## **CONDITIONS AND NON ACCEPTANCE NOTES**

Mapping tool is accepted as a prototype, provided that the next versions take into account the usability expected by the SME partners.

## **APPENDIX: TEST SUMMARY**

Attached to this document are the Excel files detailing the tests that were performed and justifying the level of acceptance for the delivery.

Tests that did not pass corresponded to either new requirements and have been entered in the list of requirements or to configuration issues that will be solved and tested in the next release. That was not considered an issue since no operation is expected between this release and the next one.

- Test Case Release 3 - Portal.xlsx
- Test Case Release 3 - Mapping Tool.xlsx



FP7-SME-1  
Project no. 262289

## **HARMOSEARCH**

Harmonised Semantic Meta-Search in  
Distributed Heterogeneous Databases



## **Acceptance Note for Release 4**

**Complete system ready on one domain, with extended features**

## **STRICTLY CONFIDENTIAL**

Start date of project: 2010-12-01

Duration: 27 month

Project funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
<b>PU</b>	Public	
<b>PP</b>	Restricted to other participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the Consortium (including the Commission Services)	<b>X</b>

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**APPENDIX: TEST SUMMARY..... 6**

## **DELIVERY CONTENT**

### **1.1 SOFTWARE**

Release 4 does not correspond to a specific deliverable but to the second release of the integrated Metasearch Core engine and integrated mapping tool.

Content of release 4 encompasses the events and accommodation subdomain:

- The integration of Twitter and Facebook profiles to an account on the Harmosearch platform using applications in order to publish content (manual, automatic or scheduled publication) on Facebook and Twitter (only for events from Biella and Euromuse)
- Extend HS portal to query and display results for hotels (display category according to domain)
- Have a complete commercial portal with an operational subdomain (event) and a user friendly mapping tool
- Addition of plugging capacity for external services, user rights, license subscription and validation management as well as services filtering for users, and integration of those features to the graphic interface.
- Improvement of the graphical interface of the portal
- Addition of the possibility to have multiple mappings (event mapping, hotel mapping)
- Simplification of data import with the use of an excel template for events.
- Addition of a simple minimal input format for events for data publication.

The enhanced mapping tool is present in the release.

### **1.2 DOCUMENTATION**

NOT APPLICABLE

## FORMAL ACCEPTANCE

### 2.1 SME ACCEPTANCE

This section contains the list and status for each partner

NR	CHECK	YES / NO / Conditional
1	X+O BUSINESS SOLUTIONS GMBH	YES
2	ECTRL SOLUTIONS SRL	YES
3	EC3 Networks GmbH	YES
4	Lehmann & Werder Museumsmedien	YES
5	AFIDIUM	YES

### 2.2 OTHER PARTNER COMMENTS

NO COMMENT

### 2.3 CONSORTIUM ACCEPTANCE

The consortium thereby accepts this release and considers that it covers requirements. The consortium acknowledges the numerous improvements in the mapping tool such as the form view that allows more intuitive data mapping. However a complete mapping could still not be performed with this release because of a number of missing functionalities

## **CONDITIONS AND NON ACCEPTANCE NOTES**

NOT APPLICABLE

## **APPENDIX: TEST SUMMARY**

Attached to this document are the Excel files detailing the tests that were performed and justifying the level of acceptance for the delivery.

Tests that did not pass corresponded to either new requirements and have been entered in the list of requirements or to configuration issues that will be solved and tested in the next release. That was not considered an issue since no operation is expected between this release and the next one.

- Test Case Release 4 - Portal.xlsx
- Test Case Release 4 - Mapping Tool.xlsx



FP7-SME-1  
Project no. 262289

## **HARMOSEARCH**

Harmonised Semantic Meta-Search in  
Distributed Heterogeneous Databases



## **Acceptance Note for Release 5**

**Complete system ready on one domain, with extended features, and adapted to the 3 consumer scenarios**

**STRICTLY CONFIDENTIAL**

Start date of project: 2010-12-01

Duration: 27 month

Project funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
<b>PU</b>	Public	
<b>PP</b>	Restricted to other participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the Consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the Consortium (including the Commission Services)	<b>X</b>

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## DELIVERY CONTENT

### 1.1 SOFTWARE

Release 5 does not correspond to a specific deliverable but to the third release of the integrated Metasearch Core engine and integrated mapping tool.

Content of release 5 encompasses for the events subdomain:

- The release 5 contains a complete Harmosearch platform including all the features (as and described below) as well as the latest graphical layout.
- Finalisation of the user and consumer role management on the portal (the subscription form contains a "role" field which will define which features the user can access, according to the following scenarios)
  - Publish : Qualified search and publication setup (including on the user's and Harmosearch's profiles on implemented social networks).
  - Metasearch : qualified metasearch for B2C users on the event site.
  - Qualified content import : transaction, file or form based import of qualified rich content in the system available for any consumer such as Pixmeaway
- Specific interface (the interface only contains the relevant features for each of the roles mentioned above, including mapping configuration, external services subscription or management, notification and status reports...). A landing page describes each of those roles for user to select a role that matches its needs.
- Expansion of the event scenario to
  - Allow input from at least 2 sources
  - Have capacity to qualify and enrich data,
  - Publish in 2 or 3 distribution channels.
  - Have a cache to distribution ready and minimal scoring notions in place.
- Enhancement of data (addition of keywords, qualification, rating, completion indicator, and data scoring.  
The data scoring is based on :
  - Trustworthiness of the data source containing the data,
  - Number of sources where the data is available,
  - Completeness of the information (i.e. how many fields are filled in taking into consideration the most important ones... title, description, location, dates, links, thumbnail)
- Integration of the help section structure on the platform (access and navigation, main topics and articles definition)
- Improvement of the registry management interface to easily store and browse data

- Integration of the crawler allowing to setup of a procedure which periodically updates indexes according to the providers configured in the semantic registry.
- Addition of a feature allowing the import of ics calendars (file upload)
- Expansion of the crawler for easier configuration
- Improvement of the metasearch with sorting and filtering input capacities (on cached data)
- Elaboration of a process to build a unique identifier reference

As regard the mapping tool: the focused for events. The objective is still for the user to be able to make a mapping on its own

The enhanced mapping tool is also present in the release :

- Integration of reference lists and their mapping (categories, countries... but location names such as museums)
- Integration of the management of an organization's mapping of reference list in the mapping tool, and use in the reconciliation engine (for expert users)
- Integration of output mapping in the metasearch
- Overall Improvements of the mapping tool (dialog driven, step driven, user support while mapping, easy management parameters without complex path, differentiation of elements with attributes to map to different items, multilingualism support, and pre-configured mapping).

## 1.2 DOCUMENTATION

NOT APPLICABLE

## FORMAL ACCEPTANCE

### 2.1 SME ACCEPTANCE

This section contains the list and status for each partner

NR	CHECK	YES / NO / Conditional
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3	EC3 Networks GmbH	Conditional
4	Lehmann & Werder Museumsmedien	Conditional
5	AFIDIUM	Conditional

### 2.2 OTHER PARTNER COMMENTS

NO COMMENT

### 2.3 CONSORTIUM ACCEPTANCE

The consortium thereby accepts this release and considers that it covers requirements, **except for the mapping tool that has only been accepted with conditions.**

## CONDITIONS AND NON ACCEPTANCE NOTES

The consortium considers that the mapping tool is able to perform simple mapping but does not fully comply with the initial expectations in the sense that users are supported in easily performing mappings.

Furthermore, a number of new mappings performed during the tests were not valid until technical expertise was involved.

## APPENDIX: TEST SUMMARY

Attached to this document are the Excel files detailing the tests that were performed and justifying the level of acceptance for the delivery.

Tests passed well, some minor suggestions for additional improvements were provided. Those suggestions will be studied for potential improvements of the platform later on.

- Test Case Release 5 - Portal.xlsx (includes the sheet "Crawler" dedicated to tests on crawl jobs management, and the sheet "Reference list" dedicated to tests on how the portal handles the transformation of the reference lists made through the mapping tool).

More details on the last release of the mapping tool and test steps can be found in the deliverable *D6.3 Evaluation Report and Validation of Results of the Mapping Tool*.

xxx add testing steps in the mapping tool