



# DCH-RP project - Digital Cultural Heritage Roadmap for Preservation

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# Summary



- ❑ Why does the DCH need e-infrastructures?
- ❑ Which are the first outcomes of DCH-RP?
- ❑ What do we expect from a cooperation with other projects/initiatives?

# DCH characteristics



- ❑ DCH data come mostly from digitisation and description of digital objects requires **human intervention**
- ❑ DCH data are **complex** and **interlinked** (e.g. 2D images, 3D models, metadata, publications, digital exhibitions, virtual reconstructions, etc).
- ❑ Even if growing, the actual **size** of DCH data is **smaller** than the amount of data produced by the experiments and the observations of the “hard sciences”.
- ❑ DCH data coming from digitisation process **cannot be replicated** (as a physical experiment, for example)

# Expenditures



- ❑ Estimated total **cost of digitising** collections of European museums, archives and libraries, including the audiovisual material: c €100bn, or €10bn per year for the next 10 years
  
- ❑ Estimated **cost of preserving and providing access** to this material over a 10-year period after digitisation: €10bn to €25 bn, provided that centralised repository infrastructure is made available for the purpose
  
- ❑ Sources
  - NUMERIC Study Report: [http://cordis.europa.eu/fp7/ict/telearn-digicult/numeric-study\\_en.pdf](http://cordis.europa.eu/fp7/ict/telearn-digicult/numeric-study_en.pdf)
  - ENUMERATE Survey Report on Digitisation in European CH Institutions 2012: <http://www.enumerate.eu/fileadmin/ENUMERATE/documents/ENUMERATE-Digitisation-Survey-2012.pdf>
  - EC Comité des Sages Report on Cost of Digitising Europe's CH: [http://ec.europa.eu/information\\_society/activities/digital\\_libraries/doc/refgroup/annexes/digiti\\_report.pdf](http://ec.europa.eu/information_society/activities/digital_libraries/doc/refgroup/annexes/digiti_report.pdf)

# What cultural institutions can ask to e-infrastructures



To facilitate, reduce costs and provide scalable solutions for:

- ❑ **storage** and **preservation**
- ❑ **digitisation, cataloguing and metadata generation** by substituting expensive human intervention with cheaper machine processes
- ❑ **processing** and **visualisation** of **complex** cultural data
- ❑ improving **search facilities** (e.g. semantic search and linked open data)
- ❑ enabling dynamic distributed **virtual organisations** and facilitating collaboration

# DCH-RP: first outcomes

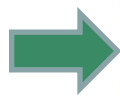


- ❑ Project aim: to develop a **Roadmap** for the implementation of a preservation infrastructure for DCH
- ❑ In its first **Proofs of Concept** cultural institutions defined a range of real scenarios of use and experimented distributed computing and storage infrastructures (e.g. **e-Culture Science Gateway**: <http://ecsg.dch-rp.eu/>)
- ❑ Some preliminary outcomes:
  - Cultural data are curated by many different persons and there is a need for data **management** and **administration** functionalities (e.g. user access control)
  - Cultural data are precious and **trust building** between cultural institutions and e-infrastructure providers is a key issue
  - Functionalities and services offered by e-infrastructures must be at the same time **powerful** (without impacting on the “traffic” of the institution) and **simple** to be used (without requiring support from IT specialists)
  - New kinds of **scientists** are necessary to enable the dialogue between different communities (cultural managers and ICT specialists)

# What's next?



- ❑ To integrate services dedicated to DCH into a data infrastructure for **storage, access** and **preservation**
- ❑ To involve the **largest number** of small and big cultural institutions
- ❑ To **coordinate** with the many other initiatives and projects that can contribute to this common goal



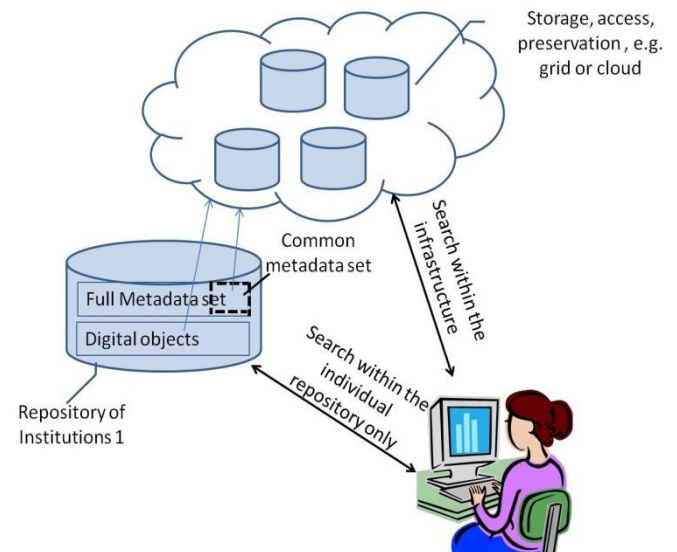
**INDICAT**  
International Network  
for Digital Cultural  
Heritage e-Infrastructure  
**Support and  
demonstration**



# Features, Services & Target Users



- ❑ **Content owners** (e.g. museums, libraries, archives)
- ❑ **Private enterprises**, providing commercial access to content
- ❑ **Researchers**
- ❑ **Cultural and creative industry**
- ❑ **Teaching and learning** actors



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# Next appointments

- ❑ October 30th, 2013 – Rome
  - Preservation Workshop at the 2nd **EUDAT Conference**(info at <http://www.digitalmeetsculture.net/article/digital-preservation-of-cultural-data/>)
  
- ❑ November 7th, 2013 – Vilnius
  - Networking Session at the **ICT 2013 Conference**(info at <http://www.digitalmeetsculture.net/article/a-virtual-research-community-for-the-preservation-of-digital-cultural-heritage/>)



## eINFRASTRUCTURES AND DIGITAL LIBRARIES... THE FUTURE

The result of the digitisation initiatives carried out by memory institutions (museums, libraries, archives) in Europe and world-wide have produced a large amount of cultural content, which is continuously growing. The idea of a digital cultural heritage e-infrastructure is to set-up a "common pot", where institutions can deliver safely their content, which can be seen as a "continuum" by the users...

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## DIGITAL PRESERVATION OF CULTURAL DATA

ROME, OCT 7th, h14.30

A workshop organised by DCH-RP in cooperation with EUDAT, SCIDIP-ES and CHAIN-REDS in the frame of the 2nd EUDAT International Conference. Medicine and Natural sciences, including astronomy, biology,

## A VIRTUAL RESEARCH COMMUNITY FOR THE PRESERVATION OF DIGITAL CULTURAL HERITAGE

VILNIUS, NOV 7th, h16.50

A networking session proposed by the group of partners who met in Manchester at the DCH-RP workshop during the EGI Community



# Thank you!

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