# E-infrastructures and services for data preservation and curation

*Antonella Fresa*

*Technical Coordinator of DCH-RP*

*Promoter Srl*

Helsinki, 20 May 2014, EGI Community Forum

# Agenda

- **11:00-11:10** Introduction to the workshop (Antonella Fresa, Promoter Srl)

- **11:10-11:20** A roadmap for the preservation of digital cultural content (Borje Justrell, Riksarkivet)

- **11:20-11:30** The DCH-RP registry of services (Michal Jankowski, PSNC)

- **11:30-11:40** APARSEN structured list of services for digital preservation (Felix Engel, FTK)

- **11:40-11:50** Experimenting the use of e-infrastructures and services to manage and preserve cultural data (Michel Dresher, EGI.eu)

- **11:50-12:00** Keeping culture alive: participative storage and access solutions for cultural and research institutions (Hilke Arijs, KIK-IRPA)

- **12:00-12:10** Sustainability of digital preservation services in the long term (Ed Fay, Open Planets Foundation)

- **12:10-12:30** Discussion

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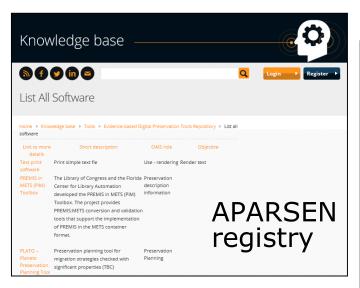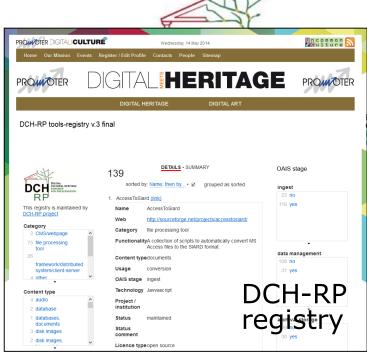
# Scope of the workshop

❑ To present the ongoing activities for the development of a **registry of services and tools** for digital preservation and to discuss how to sustain it after the end of the project

❑ To present **concrete use cases** of how these services can be used by memory institutions to store and manage their digital cultural resources

❑ To present the interim version of the **roadmap** for the long-term preservation of digital cultural content

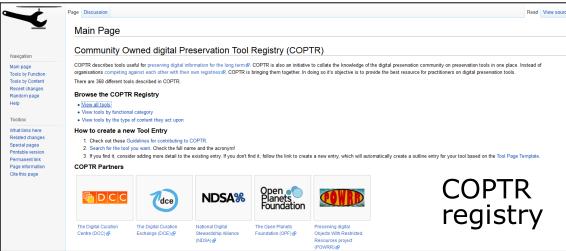Helsinki, 20 May 2014, EGI Community Forum

# Registry of services & tools for digital preservation

❑ **Aim**: to help DCH communities, institutions and projects to plan the implementation of their digital preservation processes

❑ **Content**: description of common user scenarios and information about the tools that may be used to implement them; assessments and reviews of most relevant tools
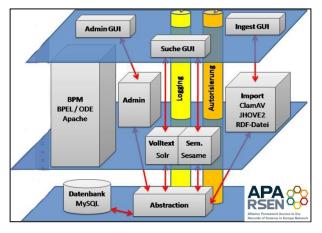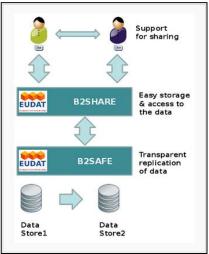
DCH-RP registry

APARSEN registry

COPTR registry

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# Experimenting with real data



- ❑ A number of **Proofs of Concept** have been set up in DCH-RP where cultural institutions experimented the actual use of distributed computing and storage infrastructures to store and manage cultural digital resources

- ❑ The experiments, which are currently ongoing and whose results are expected by September 2014, use services and tools developed by many projects

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# A Roadmap for long-term preservation of DCH

- ❑ **Aim**: help policy makers and programme owners to plan ahead and assist managerial teams of cultural institutions in taking decisions related to digital preservation and to support cultural heritage institutions in defining practical action plan with a realistic time frame for its implementation

- ❑ **Areas**:
  - Harmonisation of data storage and preservation: to integrate in common environments the curation of research data with other digital objects
  - Improve interoperability: to integrate preservation requirement at all stages of digitisation and online access
  - Cross-sector integration: to maximise successful solutions efficiency, knowledge and know-how transfer
  - Governance models: to favour successful institutional participation in larger e-infrastructure initiatives, aggregation and re-use of digital resources.

- ❑ The **final version** will be published as a handbook by the end of September 2014, taking into account all the feedback received



**Step 1: Where are we now and where do we want to get to?**

Before starting planning for the use of distributed digital preservation solutions, there are some basic considerations:

Agree on a vision - what will distributed digital preservation look like? (see section 4.3.1)

Decide about challenges to target (see section 5.1.1)

Have a clear understanding of advantages to explore (see section 5.1.2)

**Step 2: Take actions in identified major areas of the roadmap**

Harmonise data storage and preservation (see section 5.2.1)
- Define critical system requirements (general and specific) – understand and articulate your requirements
- Choose a suitable AA control system
- Look into IaaS

Improve interoperability (see section 5.2.2)
- Review best practice and how-to guides (avoid inventing the wheel again)
- Consider aspects of internal interoperability to avoid building digital silos within the organisation – set up a mandate

Establish conditions for cross-sector integration (see section 5.2.3)
- Decide about standards to use and look into available tools for guidance
- Use the DCH-RP registry of preservation tools to find what suits your organisation best

Establish a governance model for infrastructure integration (see section 5.2.4)
Decide about a
- General governance model
- Trust model
- Business model

**Step 3: Choose services to address**

Decide about addressing services according to:
- Functional areas (see section 5.3.1)
- Services types and objects (see section 5.3.2)
- Type of architecture (see section 5.3.3)
- Level of maturity (see section 5.3.4)
- License conditions (see section 5.3.5)

# Next appointments

- ❑ June 3rd-4th, 2014 – Stockholm
  - – Joint DCH-RP/EUDAT workshops on digital preservation
  - – http://www.digitalmeetsculture.net/article/joint-dch-rpeudat-workshops-on-digital-preservation/

- ❑ September 8th, 2014 – London
  - – Workshop "Digital preservation sustainability on the EU policy level"
  - – http://www.digitalmeetsculture.net/article/digital-preservation-sustainability-on-the-eu-policy-level/

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# Follow us!



http://www.digitalmeetsculture.net/heritage-showcases/dch-rp/

# Thank you!

*Antonella Fresa*
*Promoter Srl*
*fresa@promoter.it*
*www.digitalmeetsculture.net*

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