

EGI Community Forum 2012

DCH-RP

Digital Cultural Heritage Roadmap for Preservation

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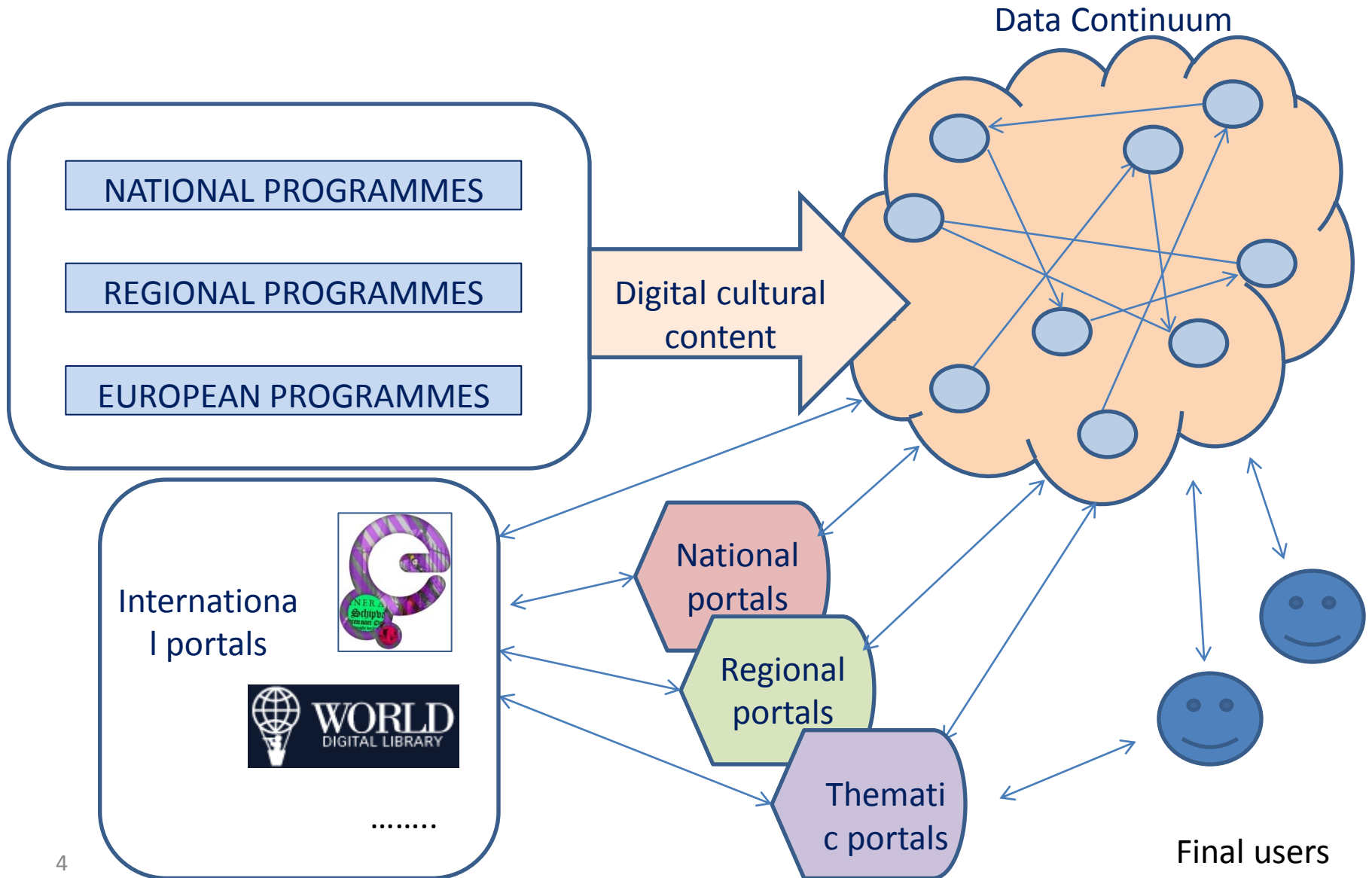
- **Digital Cultural Heritage Roadmap for Preservation** is a Coordination Action supported by EC FP7 e-Infrastructures Programme
- The project is under negotiation and is expected to start in October 2012
- It will last 2 years
- It includes 13 partners:
 - 5 national authorities in the cultural heritage sector,
 - 3 European associations
 - 4 e-infrastructure providers
 - 1 sme

The Digital Cultural Heritage sector

The amount of digitised material is growing very rapidly

- National, regional and European programmes support the **digitisation** of the content of Museums, Libraries, Archives, Archaeological sites and Audiovisual repositories
- The generation of digital cultural heritage is accelerated also by the impulse of **Europeana** that is fostering the European cultural institutions to produce even more digital content
- Digital cultural heritage **content are complex and interlinked** through many relations
- Metadata play an enormous role in the management of cultural heritage data and the use of **metadata standards** is very important

THE VISION



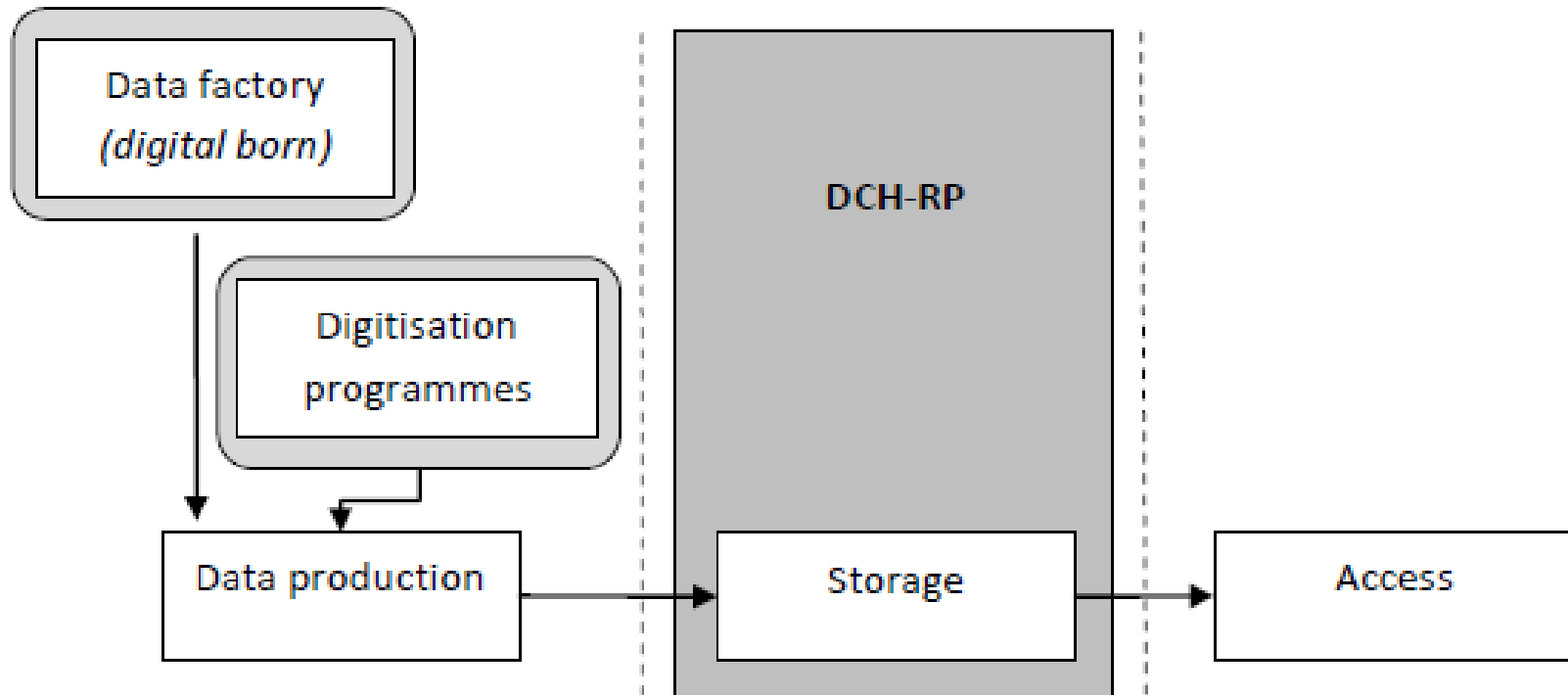
Scientific challenges

1. High quality **information technology management**, to ensure trust, accessibility, reliability, security, long term safety and sustainability of content;
2. Enhanced **access facilities** exploiting semantic connections, providing services to:
 - **final users** (the researchers) searching into the e-Infrastructure
 - **cultural institutions** delivering data to the e-Infrastructure;
3. Advanced **interoperability protocols** :
 - among existing cultural heritage repositories and
 - cross-discipline link with data from other scientific domains.

Compute and data technology requirements

- Storage resources for hosting cultural repositories & cloud services for small institutions
- Quality control and data integrity check
- AAI to manage IPR and security issues
- Long-term digital preservation
- Semantic layer to process data links, intelligent user profiling and adaptivity of content to contexts
- Enhanced visualisation techniques (3D and virtual environments)

DCH-RP Scope



DCH-RP Objectives (1/2)

To design a **Roadmap** implementation of an e-Infrastructure for preservation of DCH content

- Such infrastructure is part of a wider vision towards and Open Science Infrastructure for DCH in 2020
- This will be a federation of existing infrastructures:
 - national infrastructures (NRENs, NGIs),
 - joint European activities/initiatives (e.g. EGI),
 - European data infrastructures (e.g. EUDAT and SCIDIP-ES),
 - research infrastructures (e.g. DARIAH, CLARIN, DASISH),
 - the commercial sector (e.g. commercial cloud services)

DCH-RP Objectives (2/2)

- Network of common interest and wide dissemination campaign
- Proof of concept to validate the Roadmap design within concrete use cases
- Sustainability models, involving the private sector
- Governance and stakeholders consultation
- International cooperation: Taiwan, India, Malawi, South America, USA, Med Countries

DCH-RP Cooperation

An initial set of initiatives has been selected as target cooperation of DCH-RP:

- DC-NET,
- INDICATE,
- EG-INSPIRE,
- APARSEN,
- SCIDIP-ES,
- EU-DAT

The project is open to more cooperation, with particular regard to the research infrastructures from the ESFRI Roadmap that are under establishment in the SSH sector (DARIAH, CLARIN, DASISH)

The role of NGIs

- EGI.eu is the WP Leader of Proof of Concept
 - 2 iteration with the Roadmap design, to validate approaches, technical feasibility, organisational and operational issues, etc.
- 5 pilots in 5 countries:
 - Italy (ICCU and INFN)
 - Poland (PSNC)
 - Hungary (NIIFI)
 - Sweden (National Archives in cooperation with Sunet)
 - Estonia (Ministry of Culture in cooperation with EENET)

Long term goals / short term wins

Long term	Short term
Implementation of the research challenges from the DC-NET Joint Activities Plan and Service Priorities, through Joint Calls in the frame of the JPI	Addressing the 1 st priority of DC-NET: Roadmap for Preservation
Implementation of e-infrastructure components (Horizon 2020)	Experiments, pilots and proof of concept to validate theoretical approaches
Establishment of DCH Virtual Research Community, with stakeholders sustain and committment	Network of Common Interest established by DC-NET, INDICATE and to be continued in DCH-RP

And to carry on cooperation with all the other regional, national, European and international initiatives in the DCH domain

www.digitalmeetsculture.net

A contribution to the **dissemination of international initiatives in the DCH sector**

A world-wide communication platform about the encounter of the digital technologies with the cultural sector

Contribute with your stories



Register on the portal to increase your visibility



THANK YOU

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