DC-NET: a European Network for Digital Cultural Heritage Research

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DC-NET in a glance

- DC-NET is an ERA-NET aiming to the coordination of programmes

- Research field: e-infrastructure for the digital cultural heritage

- Duration: 24 months

- Starting 1st December 2009

- Public launch 17th February 2010

- Main outcome: Joint Activities Plan

Partners:
7 Ministries from 7 EU countries

- **Italy:** Ministero per i beni e le attività culturali - Istituto Centrale per il Catalogo Unico (coordinator)

- **(*) Belgium:** Politique scientifique fédéral/Federaal Wetenschapsbeleid - STIS

- **Estonia:** Eesti Vabariigi Kultuuriministeerium

- **France:** Ministère de la Culture e la Communication – Mission de la Recerce

- **Greece:** Υπουργείο Πολιτισμού [Hellenic Ministry of Culture]

- **Hungary:** Oktatási Kulturális Minisztérium

- **Slovenia:** Ministrstvo za Kulturo Slovenia

- **(*) Sweden:** Riksarchivet

(*) in Belgium & Sweden partners were delegated from their respective national/regional Ministries

Antonella Fresa, MiBAC

The state of the art

The last 10 years have been devoted to:

- initiate the mass digitization in Europe

- develop a common platform of standards and recommendation for digitization

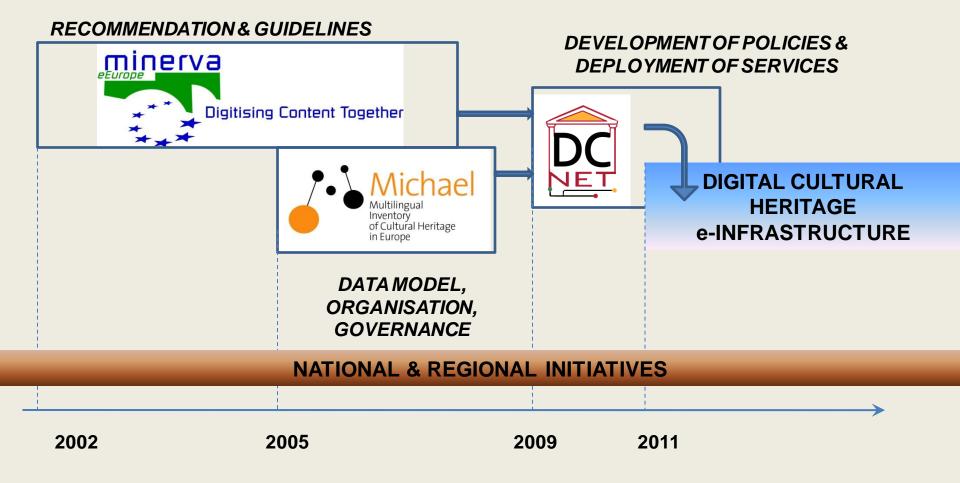- create portals and websites

The current challenges:

- To reduce cost of digitization and to increase volume of data to a real "critical mass"

- To create advanced services for access, use, re-use and preservation of digital content

- To integrate different sources of data into a common infrastructure for the research and the "citizens researchers"

RECOMMENDATION & GUIDELINES

DEVELOPMENT OF POLICIES & DEPLOYMENT OF SERVICES

DIGITAL CULTURAL HERITAGE e-INFRASTRUCTURE

DATA MODEL, ORGANISATION, GOVERNANCE

NATIONAL & REGIONAL INITIATIVES

2002   2005   2009   2011

DC-NET overall strategy

Threee main directions:

I.   to bring people together and to establish a **dialogue** between the Cultural Heritage and the ICT (***working groups, international conferences &publications***)

II. to explore how e-Infrastructures can **add value** to the research in the digital cultural heritage and to anticipate a range of services (***focused seminars and workshops***)

III. to develop and to **endorse a Joint Plan of Activities** (***commitment from the stakeholders***)

Building blocks

MINERVA &

MICHAEL

- *ICT research projects*: e.g. Caspar, Diligent, Delos, Bricks, Digital Preservation Europe, Imagination, Multimatch, DL.ORG, etc.

- *National and regional cultural portals*: e.g. CulturalItalia, BAM, CultureFrance, Kulturpool, etc.

- *e-Infrastructures*: e.g. Driver

- *Digital libraries projects*: e.g. ATHENA and Europeana

Research topics to be addressed by the next initiatives

- Standards and metadata
- Automatic extraction of knowledge
- Protocols for interoperability
- Empowered search engines for complex data
- Advanced repositories architectures
- Digital preservation
- Rights management
- Use and re-use of content
- Secure access and identity management
- Advance services for collections management
- Multilingualism
- Linked data and persistent identifiers

Current Project Activities 1/2

Network of common interest:

- national **working groups** to identify initial set of research priorities (→ national reports)

e-Infrastructure awareness:

- **Questionnaire** to explore the e-Infrastructures available in each Member State

- **E-Infrastructure concertation meeting - Tallin, January 2011**

- **Memoranda of Understanding** between cultural sector and e-Infrastructure providers

New service priorities:

- **Best practice** analysis of new services

- **New Services workshop – Paris, February 2011**

Project Activities 2/2

Dissemination & Training:

– **Publications , website and 2 EU Presidency conferences:**

  • **Brussels, 29 October 2010**

  • **Budapest, 23-24 June 2011**

• **Training national events**

Validation

– Evaluate **technical feasibility, cost** and **sustainability** of the new services

Joint Activities Plan:

– **Joint Research Agenda** for digital cultural heritage using e-Infrastructures, to commit programme owners

– **Joint Activities Plan** as the follow up of the ERA-NET

International dimension

INDICATE in a glance

a support action for the **Mediterranean** region (under final negotiation)

Expected start date: 1st September 2010

Participants from:

Italian and French Ministries of Culture

Slovenia – Governmental agency for preservation of cultural heritage

National Technical University of Athens

i2CAT in Barcelona

E-Infrastructures: GARR and Cometa

Med countries: Jordan, Turkey and Egypt

International dimension

INDICATE expected results

2 pilots about use of e-infrastructures for digital cultural heritage

1 international conference in Egypt to present result of the pilots

3 thematic workshops:

Jordan – virtual exhibitions

Turkey –preservation of digital cultural heritage

Slovenia – geocoded data for cultural heritage

2 publications, summing up results of pilots and workshops

Impact

- Impact on **e-Infrastructures**:
  - Foster new use of the e-Infrastructures by the digital cultural heritage community
- Impact on **cultural heritage research**
  - Awareness, shared guidelines, common standards

- Impact on the **general public**:
  - Online museums, libraries and archives more accessible
  - Usable and re-usable research cultural data for education
  - Access to cultural data for long-life learning, non-professional cultural interests
  - Exploitation of cultural research for cultural tourism applications
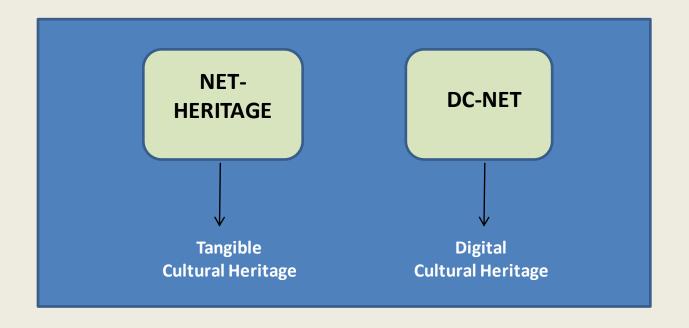- Impact on **European and national cultural heritage programmes**: → **JPI**

JPI for Cultural Heritage

Website: www.dc-net.org

Thank you for your attention

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