

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 Recherche
- **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





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

minerva
eEurope
Digitising Content Together

Michael
Multilingual
Inventory
of Cultural
Heritage
in Europe

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

Three 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 & 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. CulturallItalia, 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

Antonella Fresa, MiBAC

e-IRG workshop
Madrid, 17/07/2010





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

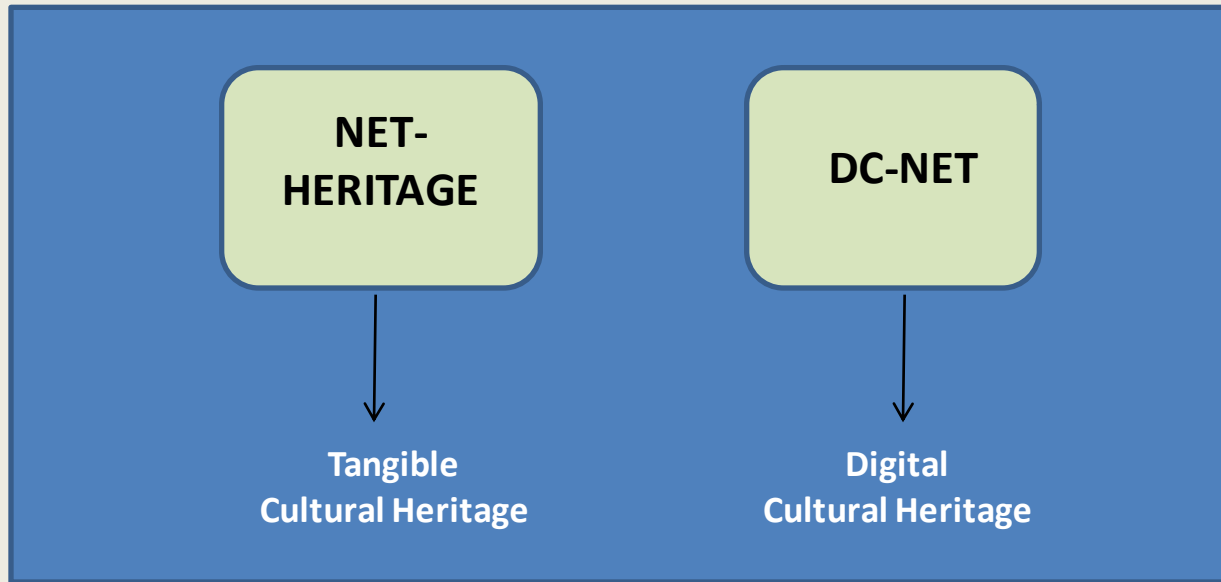
Slovenia – geocoded data for cultural heritage

2 publications, summing up results of pilots and workshops

- Impact 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

DC NET Digital Cultural Heritage Network

- About
- Partners
- Work Packages
- EU related projects
- Useful documentation
- How to join
- Dissemination
- Reserved Area
- News archive
- Events archive

DC-NET - Digital Cultural Heritage NETWORK is an ERS-NET (European Research Area Network) project, financed by the European Commission under the e-Infrastructure - Capacities Programme of the FP7.

The main aim is to develop and to strengthen the co-ordination of the public research programmes among the European countries, in the sector of the digital cultural heritage.

This scope will be pursued by the participating ministries of Culture by endorsing a Joint Plan of Activities, to be initiated already during the project time-frame, through a wide and intensive programme of seminars, workshops, meetings and Presidential conferences dedicated to the encounter of the digital cultural heritage sector with the technological research and the e-infrastructure providers in Europe.

The DC-NET project started on the 1st of December 2009 and will last 2 years, until December 2011.

Events

- Rome: Public launch of the DC-NET project**
17 February, 2010
- Padua: 6th Italian Research Conference on Digital Libraries - IRCDL 2010**
26-29 January, 2010
- Rome: Kick-off meeting**
17-18 December, 2009
- EVA Moscow 2009**
30 November - 1 December, 2009
- Lund: Improving access to European Cultural Heritage: goals, ways and means**
15-16 October, 2009

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Thank you for your attention

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