

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-infrastructures for the digital cultural heritage
- Duration: 24 months
- Starting 1st December 2009
- How to use existing e-infrastructures by Digital Heritage organisations and specify requirements for new services
- Define research priorities according to e-infrastructure availability

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 Recherce
- 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

EGI Technical Forum Amsterdam

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The state of the art

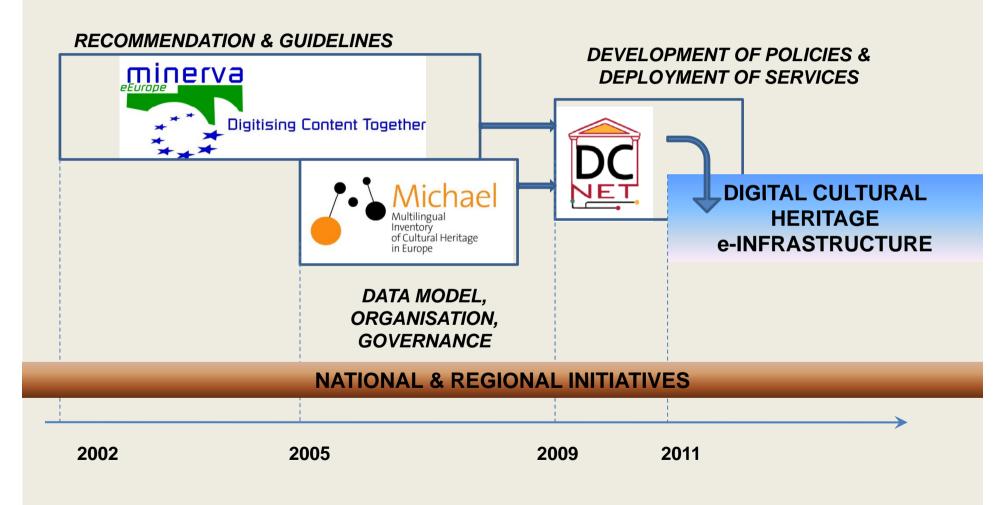
The last 10 years have been devoted to:

- 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 research and citizens





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DC-NET overall strategy

Threee main directions:

- 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)



e-Infrastructures and DCH communication (1)

- Questionnaire to be filled out by e-Infrastructure providers
 - What do you offer for which price
- Questionnaire to be filled out by DCH organisations
 - What e-infrastuctures do you use?
 - Which e-infrastructure services do yo need?



e-Infrastructures and DCH communication (2)

- Networking e-Infrastructures (national providers, classical NRENs + others)
- Computing e-infrastructures (NGIs, HPC providers)
- Data Infrastructures



e-Infrastructures and DCH communication (3)

- Networking: still challenges qua connection and bandwidth (between organisations nationally and internationally, between DCH organisations and the public, ...) but in general these problems can be solved
- Computing infrastructures: unknown by DCH organisations, offers from computing infrastructures are not always available or clear



e-Infrastructures and DCH communication (4)

- Data Infrastructures
 - Almost a complete void



Data Infrastructure (1)

Needs are high:

 amount of data is growing long term preservation



Data Infrastructure (2)

- knowledge of data storage and management is often not available at DCH organisations
 - physical storage/backups
 - where to locate the data regarding to computing needs
 - responsibility/ownership of data
 - identity management, secure access



... And more

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



But life sometimes is less difficult

- Excellent Data Management Report from e-IRG
- Other European projects having the same or like requirements
 - sometimes difficult to really cooperate share information (project has its own deliverables, not enough person power to take some extra work, ...)
 - -when project finished, no organised structure left
- Sustainable organisations (ERIC or other)
 - Will help cooperation, common tools for data management,
 - Interoperability, metadata, ...



Thank you for your attention

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