eIRG Workshop

Budapest, 3 April 2011

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Data infrastructures for social sciences and humanities - digitising and archiving cultural heritage

Budapest, 3 April 2011

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The rationale

- The amount of digitised material in the European Cultural sector is growing very rapidly due to the establishment of **national and regional digitisation programmes**.

- 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.

What the resulting data need

1. high quality **information technology** management (to ensure trust, availability, reliability, long term safety of content, security, preservation and sustainability);

2. **access facilities** offered to the final users who will search into the DCH e-Infrastructure for their research and to the cultural institutions that will deliver their data to the DCH e-Infrastructure;

3. **interoperation** of cultural heritage data with non-cultural heritage data and other research data.

8 Ministries from 8 EU countries

- **Italy:** Ministero per i beni e le attività culturali - Istituto Centrale per il Catalogo Unico (coordinator)
- **Belgium:** Politique scientifique fédérale/Federaal Wetenschapsbeleid (BELSPO/STIS)
- **Estonia:** Eesti Vabariigi Kultuuriministeerium
- **France:** Ministère de la Culture et de la Communication – Département de la Recherche de l'enseignement supérieur et de la technologie
- **Greece:** Υπουργείο Πολιτισμού [Hellenic Ministry of Culture]
- **Hungary:** Oktatási Kulturális Minisztérium (Ministry of National Resources)
- **Slovenia:** Ministrstvo za Kulturo Slovenia
- **(*) Sweden:** Riksarkivet

(*) Partner delegated by the Ministry of Culture

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The Coordination: Central Institute for the Union Catalogue of Italian Libraries

2 services	6 departments

2 services

1. Administrative Service

2. Service for the cultural promotion

Projects:

- Internet Culturale
- CulturaItalia
- Europeana (Italian partic.)
- World Digital Library (Italian partic.)
- European projects

6 departments

1. Standards rules for cataloguing and digitisation

2. National Library Service (SBN)

3. Bibliographic information and activities for the Registry of the Italian library

4. Digitisation and access to documents

5. Activities concerning bibliography, cataloguing and census of the ancient book

6. Census and management of the Italian bibliography of manuscripts

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DC-NET Background

DC-NET is one step within a longer way that begun 10 years ago

Two levels of work:

-Coordination of policies and programmes at national and regional dimension

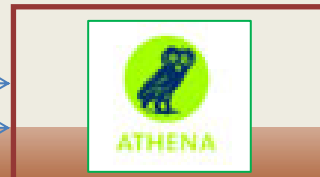-Prepare and run EU projects

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Lund Action Plan
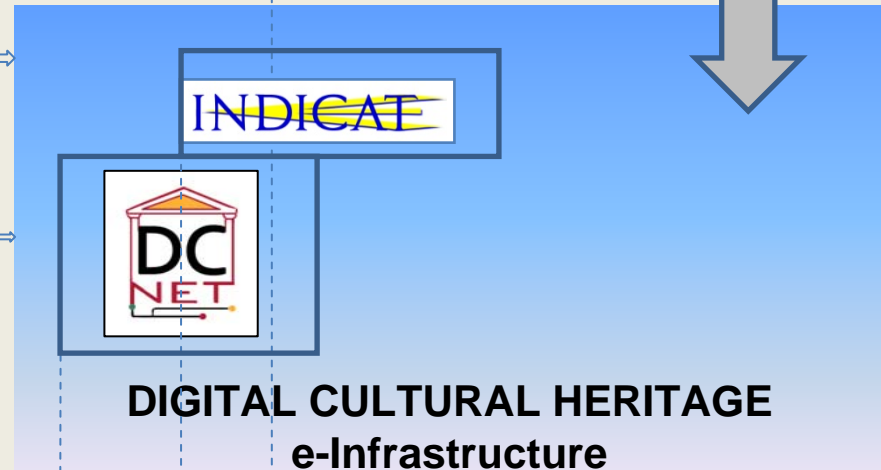Brussels Quality Framework
National Digitisation Programmes

EUROPEANA
The European Portal

ATHENA

Linked
Heritage

minerva
eEurope
Digitising Content Together

Michael
Multilingual
Inventory
of Cultural Heritage
in Europe

INDICATE

DC NET

DATA MODEL,
ORGANISATION,
GOVERNANCE

RECOMMENDATIONS
& GUIDELINES

DIGITAL CULTURAL HERITAGE
e-Infrastructure

NATIONAL & REGIONAL INITIATIVES

2002   2005   2008   2009   2011   2014

CAPACITIES

e-infrastructure

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The DC-NET ERA-NET

- DC-NET started in December 2009 as an ERA-NET among cultural EU Ministries

- **Core objective** : to establish a common awareness of perspectives, priorities, constraints and capabilities across the digital cultural heritage (DCH) and e-Infrastructures communities in Europe

- The cultural heritage sector has the **potential** to be a significant user of e-Infrastructures capabilities, just as the e-Infrastructures sector can facilitate important research and services progress for DCH.

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DC-NET vision

A seamless data and services infrastructure for cultural heritage, which unobtrusively but reliably provides key services such as:

–preservation and backup,

–authentication and data integrity,

–collaborative research environments,

–advanced (cross-collection, multilingual and semantic) search and retrieval

–intellectual property management and authorised use of DCH content.

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DC-NET overall strategy

Three main directions:

I. to establish a **dialogue** between the Cultural Heritage, the ICT and the e-Infrastructures (*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 advanced services (*focused seminars and workshops*)

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

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Programmes coordination

The programmes addressed by DC-NET
belong
to two families:

- **Research for the cultural heritage**
- **Creation and access to digital content**

Research for the cultural heritage: the Joint Programming Initiative for Cultural Heritage (JPICH)

"Cultural Heritage and Global Change: a new challenge for Europe"
- EC Recommendation 26/4/2010

– 17 Member States participate + 4 observers

– Chaired by Italy

– To define, develop and implement strategic research agendas

DC-NET is endorsed by JPICH and is involved into the new JHEP (Join Heritage European Programme) action for the implementation of JPICH

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Joint Programming Initiative
Cultural Heritage

NET-HERITAGE

DC-NET

Tangible
Cultural Heritage

Digital
CulturalHeritage

Creation & access to digital content: from NRG to MSEG

NRG - National Representatives Group

MSEG - Member States Experts Group

Coordination of national Representatives from EU to define priorities and initiate action plans

– from 2002 until 2007: the National Representatives Group
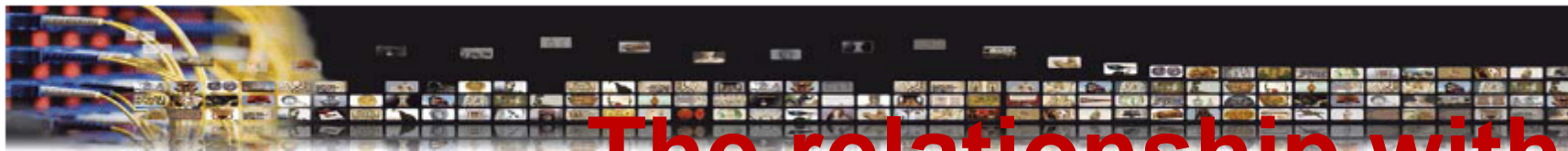
– from 2007: the Member States Expert Group

Positioning of DC-NET Community

- All the partners of DC-NET participate in **MSEG**

- MCC is President of MICHAEL AISBL, sits in the **Executive Board of Europeana Foundation** and in the **Governing Board of JPICH**

- ICCU sits in the **Advisory Board of DARIAH**

- BELSPO sits in the **Board of ESFRI**

- Director of ICCU, project manager of DC-NET, sits in the Scientific Board of **JPICH**

- The Director of ICCU and Technical Coordinator of DC-NET participate to **JHEP**, the coordination action for the implementation of JPICH.

Structural difference and Cooperation
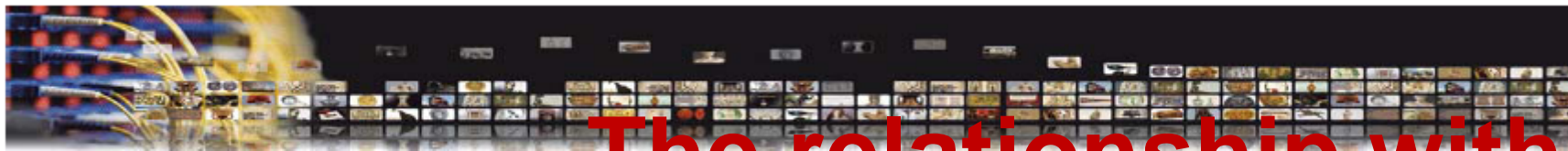
The differences

The targets:	Europeana is a portal for final users	DC-NET works towards an infrastructure for the research
The initiators:	Europeana is an initiative of the EC supported by Member States	DC-NET is an initiative of the Member States supported by EC
The access to data:	Europeana offers flat access to the object level only	The concept of the collection level is very relevantfor DC-NET; it is scientifically central for the cultural heritage research, since it provides contextualisation and thematic aggregation of the objects

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Structural difference and Cooperation

The Cooperation

DC-NET will offer tools and functionalities to Europeana, such as, for example the preservation (indicated as a priority in the New Renaissance Report, Comité des Sages)

Common work between Europeana and DC-DI on metadata

There is a natural link between DC-DI and Europeana through **projects** and political/strategic and technical **groups**

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The relationship with European strategic bodies

DC-NET has established factual cooperation:

–regular participation to the **e-IRG** workshops (Madrid, Brussels, Budapest)

– presentation at the **ESFRI SSH** thematic working group meeting (Brussels, 18/1/2011)

–**EGI** User Forum in Vilnius

–**TERENA** Conference in Prague

CONTINUE →

Sustainability of DCH e-Infrastructure

National programmes in the areas of

- Research
- Cultural heritage
- Innovation & e-government

European programmes

- Infrastructures
- ICT
- CIP

Regional programmes for digitisation and access

Impacts

- Impact on the **e-Infrastructures**
  - The adoption of the e-Infrastructures by the digital cultural heritage community will open new scenarios of use and exploitation

- Impact on the **cultural heritage**
  - Cultural managers will become more aware about the potential that the e-infrastructures can offer to their work: storage, preservation, services for the cultural institutions, etc.

- Impact on **European research**
  - A better integration of the cultural sector with the e-Infrastructures will enable the research of new advanced services and applications

- Impact on the **general public**
  - Digital cultural content will become more usable and re-usable for education, cultural tourism, long-life learning, non-professional cultural interests, etc.

Result at the time

DCH is now

- well positioned in the **political scenario**
- established **links** with the e-Infrastructure providers
- progressed from the **technical point of view**
- developed its **vision** and realised the **collaboration** among all stakeholders

The Digital Cultural Heritage is a growing Community committed toward the implementation of a stable infrastructure

See you in Budapest
on 23-24 June 2011
for the second DC-NET
Conference on e-Infrastructures
for Digital Cultural Heritage

Thank you

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