



DC-NET

Digital Cultural Heritage Network

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Content overview

Digital Cultural Heritage approaching e-Infrastructures and Research

- Strengthening the mutual knowledge of DCH & e-Infrastructures
- *e-Infrastructure awareness*: objectives and planned activities (DC-NET WP2):
- Towards effective cooperation with e-Infrastructures and joint research



DCH vs e-Infrastructures: strengthening mutual knowledge (1)

DCH (Libraries, Archives, Museums, Art Galleries, Film Archives, etc): challenges, projects, networks

- Facing important R&D challenges (for itself and for its users): massive repositories, long-term access and preservation, semantic approaches to inter-operability, 3-D digitisation, automatic description of items, user generated content, multilingualism, etc
- EU FP/ICT - R&D *DigiCult* projects: digital libraries; digital preservation; access to cultural heritage
- *Europeana* (CIP ICT PSP support): end-user oriented, digital library – MSEG – HLG
- National priorities, programmes and projects



DCH vs e-Infrastructures: strengthening mutual knowledge (2)

e-Infrastructure networks, projects, opportunities

- *DRIVER II*: repository development & networking
- ESFRI Roadmap (PPPs with FP7/RI support), e.g.:
 - *DARIAH*: distributed digital RI for the Arts and Humanities (long-term access and preservation)
 - *PRACE*: high-performance computing network
- ESFRI TWG SSH: analysis of the landscape;
- ESFRI-e-IRG collaboration on the e-Infrastructure aspects of the Roadmap
- e-IRG Roadmap (e-Infrastructures as a service, sustainable data management infrastructure, etc)



DCH vs e-Infrastructures: strengthening mutual knowledge (3)

e-Infrastructure networks, projects, opportunities (continued)

- *GEANT2*
- *EGEE2, Grid2* and *EGI* (Grid computing)
- And: Grid-based digital repositories project, cloud computing
- National Research & Education Networks (NRENs)
- e-Infrastructures are also faced with **challenging issues** for their development: interoperation, standardisation, ease-of-use, sustainability (cf. e-IRG)



DCH vs e-Infrastructures: strengthening mutual knowledge (4)

DC-NET will first:

- **explore** the e-Infrastructure **landscape** in each partner country and at European level ;
- **establish a dialogue** with the appropriate persons responsible within the NRENs (and other actors) for the delivery of services to R&D and DCH ;
- **provide** the DCH actors with the **knowledge** they need about e-Infrastructures.



e-Infrastructure awareness (1)

Overall goal

- To provide the DCH actors with the **knowledge** they need about e-Infrastructures in the partner countries **and** establishing **cooperation** with them

Detailed objectives

- To inform cultural ministries and agencies regarding:
 - facilities and services offered by e-Infrastructures ;
 - rules and constraints applicable when accessing e-Infrastructures ;
 - current usages of e-Infrastructures by others.
- To establish contact:
 - between representatives of cultural bodies / institutions and e-Infrastructures in each partner country ;
 - with coordinating initiatives such as GEANT2 and EGEE2/EGI, and with projects like DRIVER2, DARIAH, etc.



e-Infrastructure awareness (2)

Detailed objectives (continued)

- To describe the (local) national, regional and European programmes to be coordinated in order to support the implementation of the DC-NET ultimate goal, the Joint Activities Plan
- To document all the information gathered for future use
- To achieve agreement between the project partners and the e-Infrastructures representatives on the next steps: the Joint Programming of Research



e-Infrastructure awareness (3)

Planned activities

- Meeting the NRENs
 - Identify and meet with appropriate representative(s) of the NREN's & other e-Infrastructures (each partner)
 - Involve as facilitators, where appropriate, various intermediaries like Ministries of Research or funding agencies
- Study of the NRENs offer = gathering and analysing in each country information about:
 - Capacities of the e-Infrastructure provider: network, computing and storage services
 - Policies, programmes, rules/regulations governing access and use
 - Mechanisms and technical standards that need to be complied with



e-Infrastructure awareness (4)

Planned activities (continued)

- Collect also information on DCH customers references: users of the e-Infrastructure, services used, good practices, specific conditions or agreements for access and use
- Analyse of the relevant programmes at regional and national level
- All this information, translated in English, will be included in a ***e-Infrastructures Handbook***
- Drawing up, in each partner country, of good practices governing the access to e-Infrastructures by the cultural sector (MoU) and integrating these into a single portfolio document



e-Infrastructure awareness (5)

Planned activities (continued): *Concertation Seminar*

- **Participants**
 - Representatives of national ministries/agencies
 - e-Infrastructures ;
 - European coordinating initiatives such as GEANT2, EGEE/EGI, EEF, ...
- **Objectives**
 - Identifying and agreeing on commonalities in accessing e-Infrastructures
 - Agreeing on common future research goals
 - Drawing up an outline about next steps, every organisation's role and contribution, definition of service priorities, etc, as a clear definition of the prerequisites for the next phases of the project
- ***Concertation Seminar's Proceedings***
- **Drafting of international good practices (MoU)**



Towards effective cooperation with e-Infrastructures & joint research

- By month 15 of the project, the DCH actors should have established strong awareness of the e-Infrastructures:
 - their capacities and how they can be accessed ;
 - what the limitations and constraints are ;
 - the services they may offer to the DCH research ;
 - the regional/national programmes available to support the exploitation of NREN services.
- This will be essential for the further development of the project:
 - key inputs for the objective of drawing up a **new set of priorities** for digital cultural heritage research ;
 - part of the process to achieve a common understanding among all DCH stakeholders and an effective cooperation with e-Infrastructures: **joint programming of research, Joint Activities Plan.**



Thank you for your attention

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