



# DC-NET WP3



*New services workshop*

**Final synthesis and discussion concerning  
the general perspectives of new services  
and on the best practices**

**Christophe DESSAUX - Ministère de la Culture et de la Communication**





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## The existing use and the availability of Basic digital services



## Conclusions

The use of e-infrastructures is a guarantee for quality of services

- “The needs of the research are the highest”
- More a more NREN guarantee a quality of service (SLA - Service Level Agreement)
- Content is an infrastructure when it is digitised
- Encourage virtual research communities → the idea is not to control the communities, but to support to organise and capture their needs



# Conclusions

**The use of e-infrastructures improves the quality of Research**

- **E-Infrastructure provide research possibilities that did not exist earlier**



## Conclusions

Necessity to overcome the gap between technical world of e Infrastructures and Researchers

-> communication to develop :

- better know the offer by eInfrastructure (scope of DC-net WP2 - already addressed)

- better know the needs of users (DC-net WP3)

-> implement training

-> develop orientation of the user to the right provider (“centre of excellence”)

-> develop best practice



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**FIND: access to information.  
The needs for accessing existing  
ressources, databases and content.**



## Conclusions

- Different kind of information : bibliographic, library catalogue, digital content....
- Different kind of structure of information
- Too much of the web is hidden : not accessible by general search engines etc + very few images available on the web are labelled adequately
  - cf. Experience of the digitisation of research reports from ethnological research in France -> put on line but difficulty to find on culture.fr

⇒ need to implement aggregation portal / integrate DCH provided by Cultural institutions into research portals

- example : TGE Adonis => ISIDORE platform



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**ELABORATE/PROCESS:**  
**tools for scientific analysis. The needs**  
**for performing analysis on content**

Christophe DESSAUX - Ministère de la Culture et de la Communication







# Conclusions

## Needs of researchers depend on their field of research

- anthropology – need for access to bibliographic, for the rest not a material content – contemporary issues : need the speed and the movement of day to day / the flow (Google, You tube etc)
- archaeology : if broad (outside field of expertise ) : broad tools (wikipedia) – if specialised : specialist databases - some tools already exist, example : tool for archeological statistical free to download BASP (Bonn analysis statistical Package)
- history : Need for Tools for indexing archives for your own needs

**=> Need to better know specific uses. Need description of uses / specifications**

# Conclusions

## Need to build « Data bases »

⇒ Needs have to be better specified : what do researcher mean by data base ?

## Need for aggregation of all the information gathered for the research.

⇒ Linked data, interoperability

## Need for specific tools to analyse the content

- full geographical information.
- statistical analysis
- ...



# Conclusions

- Issues :
  - Sustainability of the tools
  - Support to users
  - « researchers not ready to use new tools »
- Training is necessary for data analysis / statistical tools etc
- Scale economy: open source and community of research.



## Conclusions

A user scenario about aggregation – advanced search engines / semantic enrichment

- built on existing European projects contributing to Europeana (Athena - multilingualism, Linked heritage - linked data) etc

⇒ Need to build on existing research projects and their outcomes

⇒ general issue : sustainability of the results of the projects / build on experience gained by projects / training

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**PUBLISH/SHARE:**  
**Publishing platform, sharing services.**  
**The needs for publishing the results of the research**

Sanja HALLING – RiksArkivet



# Conclusions

- Needs for environments where you can enrich the data with research outcomes
- Two options : centralised platform / Portal that gives access to distributed data
  - example of a specific portal : Net Heritage observatory, that gives centralised access to information for a certain community – cf. Also JPI “where to find the research data”
  - example of a generic tool : Open Access to SSH publication “HAL SHS” put in place by CNRS



# Conclusions

- Need to address specific communities : (“Validated, accurate information”) :
  - thematic platforms need moderation
  - alternative option can be mailing lists that point out the interesting things for a community in broad platforms or tools
  - question of sustainability (business model)

# Conclusions

- Share generic platforms with other communities (“molecules are also 3D objects”)
- Issue : make available the enrichment of content provided by the researchers : semantic enrichment, links => Linked Open Data





## Conclusions

- **Need for collaborative environment**
- collaboration services exist in most countries  
NREN : need to develop the knowledge
- Example : Sourceforge for software development – people that want to be involved in a project can access the source, download the software, fix bugs => collaborative environments can support collaborative research
- Need for controlling who is entering the network : interest for authentication systems provided by eInfrastructures



## Conclusions

- “collection of best practice” could also be the right answer for collaborative services : a community knows best what is good for them “the information is there, the question is how we share it”



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## DISCUSS/PRESENT Conference service/sharing services

Sanja HALLING – RiksArkivet





# Conclusions

- Need to raise awareness about existing services
- Lots of collaborative tools exist for organisation : conference services of eInfrastructures, CVS, doodle, shared schedulers, ...



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## Data storage/back up and Security services

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## Conclusions

- *Digital preservation :*
- Different terms to take in consideration (short, middle, long) => different responsibilities
- Organisational issues (preservation often secondary in organisations) : raise awareness
- Standards : OAIS (preservation ≠ storage)
- Best practice : for content management (metadata, selection of what to keep, right “resolution”)

**=> An area where Cultural institutions can bring their expertise to elnfrastructure**

# Conclusions

- *Security:*
  - Need to raise awareness and to implement stable routines
  - Authentication / authorisation is commonly put in place by eInfrastructures
  - Connexion with legal matters (IPR)
- => Cultural institutions practice



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## GENERAL CONCLUSIONS

Sanja HALLING – RiksArkivet







# General Conclusions

- Need to have an approach by “research communities”
  - encourage the development of virtual communities
  - no control on the communities, but support them to organise and define their needs
- Key words : collaborative environment, centre of excellence, best practice, sustainability, support and training
- rely on existing research networks : e-Infrastructures, EGI (user conference)

# General Conclusions

- Need to build the “data infrastructure”
- “we have the highways, we need to put content on it”

=> Connection between e Infrastructures and Cultural institutions (DCH) for the use of content by researchers



# General Conclusions

## Need for co-ordination (National/ European) :

- by identifying centres of excellence for each community of research => orientation to the right provider according to the specificity
- by better identifying the services (“the market”), the quality and the price => criteria for choosing
- by identifying best practice
- by ensuring reliability and sustainability
- by organising training

=> “Digital Heritage Content” as a community of interest





## Next steps

- State of the art - from the survey and the workshop
- recommendations
- Best practices = handbook to be published by DC net WP3
- Go further in cooperation with European eInfrastructure EGI – participation in users forum in Vilnius April 2011 – organise workshops on specific aspects



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***“The End...”***

**Thank you for your attention and  
your contribution.**

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