



*Memory is the human faculty  
of retaining and reproducing present  
and past thoughts, objects, habits, culture  
for future generations independently  
from circumstances that provoked them*

DPE members

[www.digitalpreservationeurope.eu](http://www.digitalpreservationeurope.eu)

digital preservation **Europe**

raising awareness on digital memory preservation challenges



Funded by the European Commission,  
Information Society  
and Media Directorate General, Luxembourg



## ***What is DPE?***



*Digitalpreservationeuropa (DPE)* intends to create a coherent platform for proactive cooperation, collaboration, exchange and dissemination of research results and experience in the preservation of digital objects

# Objectives



## ***Two macro objectives:***

1. to foster collaboration and synergies among on-going projects and existing initiatives across the ERA [repositories and audit and certification tools]
2. to raise up awareness on digital preservation challenges among different user communities [different level of awareness on the subject and its strategic significance]

## Advocacy and Outreach



- Foster awareness of digital preservation among funding agencies
- Promote awareness of innovative practice amongst researchers in archive, library and information sciences departments, computer science and schools of engineering
- Raise awareness among small and medium enterprises across Europe
- Reach out to the Ministries of Culture and Education across Europe
- Establish cooperation with key organisations and projects active in the field



Training

## Training and Continuing Professional Development

- Creation of a Trainer and Training Materials Repository
- Coordination Framework for Training and Education
- Co-ordinate and deliver DPE Training Programme

## Co-ordination of EU Repository Activities

- Inventory of repository activities
- Workshops for key repository guidance documents
- Facilitate the collection of repository experiences
- Repository Planning Checklist
- Unique identifier and resolver service

## Audit and Certification Services

- Digital Curation Centre (DCC) and Digital Preservation Europe (DPE) audit toolkit:

### DRAMBORA

Digital R epositories A udit M ethod B ased  
on R isk A ssessment

“Actual risks can be assessed and measured –  
actual risks can be managed”

## Audit and Certification Services

DRAMBORA encourages repositories to:

- **Develop an organisational profile**, describing and documenting mandate, objectives, activities and assets;
- **Identify** and **assess** the risks that impede their activities and threaten their assets;
- **Manage** the risks to mitigate the likelihood of their occurrence;
- Establish effective **contingencies** to alleviate the effects of the risks that cannot be avoided



## Audit and Certification Services

- The purpose of the DRAMBORA toolkit is to facilitate the auditor in:
  - **defining the mandate and scope** of functions of the repository
  - **identifying the activities and assets** of the repository
  - **identifying the risks** and vulnerabilities associated with the mandate, activities and assets
  - **assess** and calculate the risks
  - define **risk management** measures
  - **report** on the self-audit

## Research and Practitioner Integration

- Pilot Research and Industrial Exchange Programme
- Creation of a Research Database
- European Digital Preservation Challenge
  - Undergraduate and postgraduate competition
- Next Generation Opportunities

➔ **RESEARCH AGENDA**

## Preservation Research Roadmap



The DPE research roadmap aims to provide a mechanism for:

- identifying the most important research issues for digital preservation
- specifying desired capabilities and technological requirements
- defining a time frame for addressing those issues

## Preservation Research Roadmap



It has been validated and supported by:

- interviews with experts in the field of digital preservation
- an accompanying online survey, giving the opportunity for public comment

(<http://www.digitalpreservationeurope.eu/delphi-survey>)

## Preservation Research Roadmap



The Roadmap aims at contributing to the planning of our future R&D in Digital Preservation by means of different actions:

- analysing the state of the art in Digital Preservation research and already existing research agendas on a global level;
- analysing the state of computer science, information and communication technology;
- researching the needs and demands from the point of view of the Digital Preservation user communities and their leading experts;
- researching the needs and demands of future markets for technology and service providers

## Community building



1. Cooperation with other projects and international initiatives  
“Cooperation Agreement”
2. DPE and its Associate Partners  
“Associate partners – Terms of Reference”
3. DPE and its User Community  
“Registration Agreement”

Register to the DPE community:

[www.digitalpreservationeurope.eu/mou](http://www.digitalpreservationeurope.eu/mou)

## Briefing papers, Case studies & Position papers

### 1. Briefing papers

- Effective form of communication
- Focus on specific concepts (technical/organisational)
- Topic/user oriented

## Briefing papers, Case studies & Position papers

### 2. Case studies

- Relevant experiences carried out by organisations, companies or single experts
- Designed to illustrate examples of common problems faced by the user community
- Tried and tested means of overcoming obstacles and challenges



## Briefing papers, Case studies & Position papers

### 3. Position papers

- a series of thought provoking and controversial papers on a range of issues surrounding digital preservation
- to promote vigorous debate within the digital preservation community
- to encourage people to think about digital preservation in new and innovative ways by exploring and challenging the received wisdom

## State of the art Review on international Competence Centres for digital curation and preservation

- Analysis of current practices not only in the cultural heritage sector, e.g. research, industry, healthcare, ...
- Benchmarking model proposal
- Starting point: the centre cannot be isolated from its target community and it must provide a useful service for that.  
Benefits for users must be evident !!!
- Sustainable models must be defined

# Arranged agreements

## Cooperation Agreement CASPAR + PLANETS

- a web platform with common services, a calendar of events, a bulletin board, resources
- shared publications
- joint events
- common training calendar and joint courses (NICE meeting)

## Italy – Coordination infrastructure

- Archives and Libraries will drive the consortium, all the other user sectors will be involved (cultural and scientific communities, research, e-gov, e-healthcare...)
- Aggregation of available expertise in Italy and creation of some specific demonstrators
- Suitable models are the DPC and the nestor project. Strong cooperation with Regions
- Future calls for proposals for funding beyond the initial partners of the consortium
- MiBAC coordinator. Creation of a competence centre in Florence
- Budget of some M€ on 3/5 years

## Tuscany Region

- Promote strongly the use of informatics in all its structures and offices
- Digital signature protocol and register available also for individual citizen
- Digital deposit of documents in cooperation with the national archive for long term preservation
- Digital protocol procedure

## Asolo ULSS healthcare service

- Responsible for deposits of seven small hospitals in the area. They have concentrate and digitised all the patient records
- Digital deposit of medical documents that is growing up with new records born-digital. They have the problem for long term preservation
- Portal about application of informatics in other healthcare centres in Europe

## CNIPA: National Center for IT in Public Administrations

- Gives formal advices to the central Administration on Information and Communication issues (mandatory by law)
- Fosters the use of new technologies
- Contributes to definition of standards and technical rules (special care on security, interoperability, openness and performances)
- Carries out key projects for public sector innovation (e.g. SPC)

## CNIPA: National Center for IT in Public Administrations

- **Regulation AIPA n.15/1994** - technical rules for storing data in optical disks
- **Law N. 59/1997** - general policy law on the simplification of public administration (states that the use of electronic means is legally valid and relevant for any purpose of law)
- Since a wide number of rules and guidelines have provided general principles for the legal validity of digital documents and digital signature, harmonization is needed



## The “dematerialization” activity

- To create conditions for wide spread of electronic processes as primary processes
- To define criteria and technical rules to:
  - Avoid paper document production
  - Eliminate paper documents without relevant historical or cultural value
- To suggest initiatives for improving, modifying or completing existing laws

Task Force: Innovation, Council of Ministers secretariat  
Culture, Public affair, Interior, Justice, Finance, Health,  
Labour

# Thanks

Check it out & contribute to DPE:

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