



*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

digital preservation **Europe**

raising awareness on digital memory preservation challenges



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

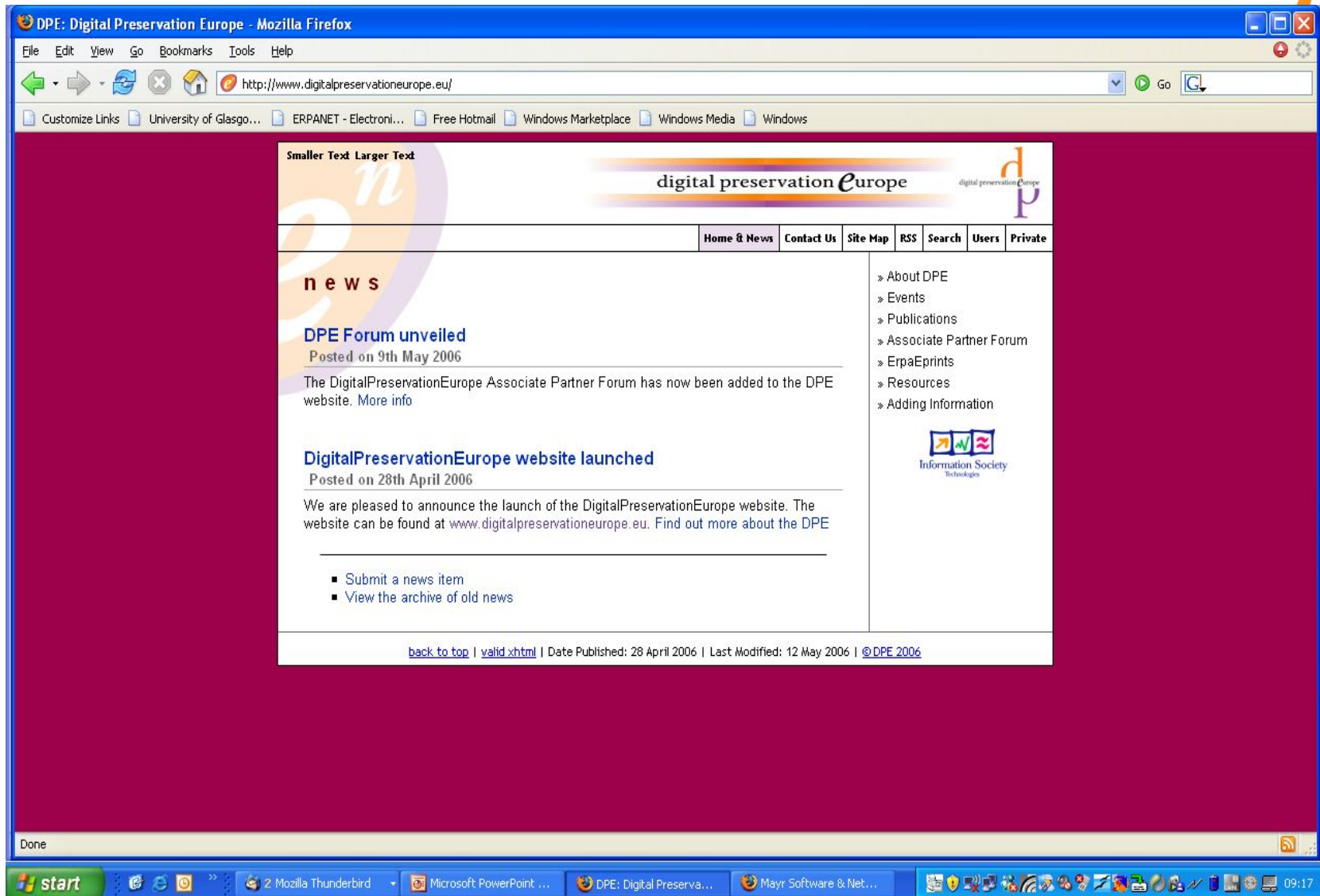


Digital Preservation Europe (DPE): Strengthening mechanisms to preserve our digital culture

Tools and Trends:
International Conference on Digital Preservation at the
occasion of the retirement of Johan Steenbakkers
Koninklijke Bibliotheek,
Den Haag, 1-2 November 2007



Prof Seamus Ross
Professor of Humanities Informatics and Digital Curation,
& Director, HATII (University of Glasgow), and
Associate Director of the Digital Curation Centre (UK)
Principal Director, Digital Preservation Europe (DPE)

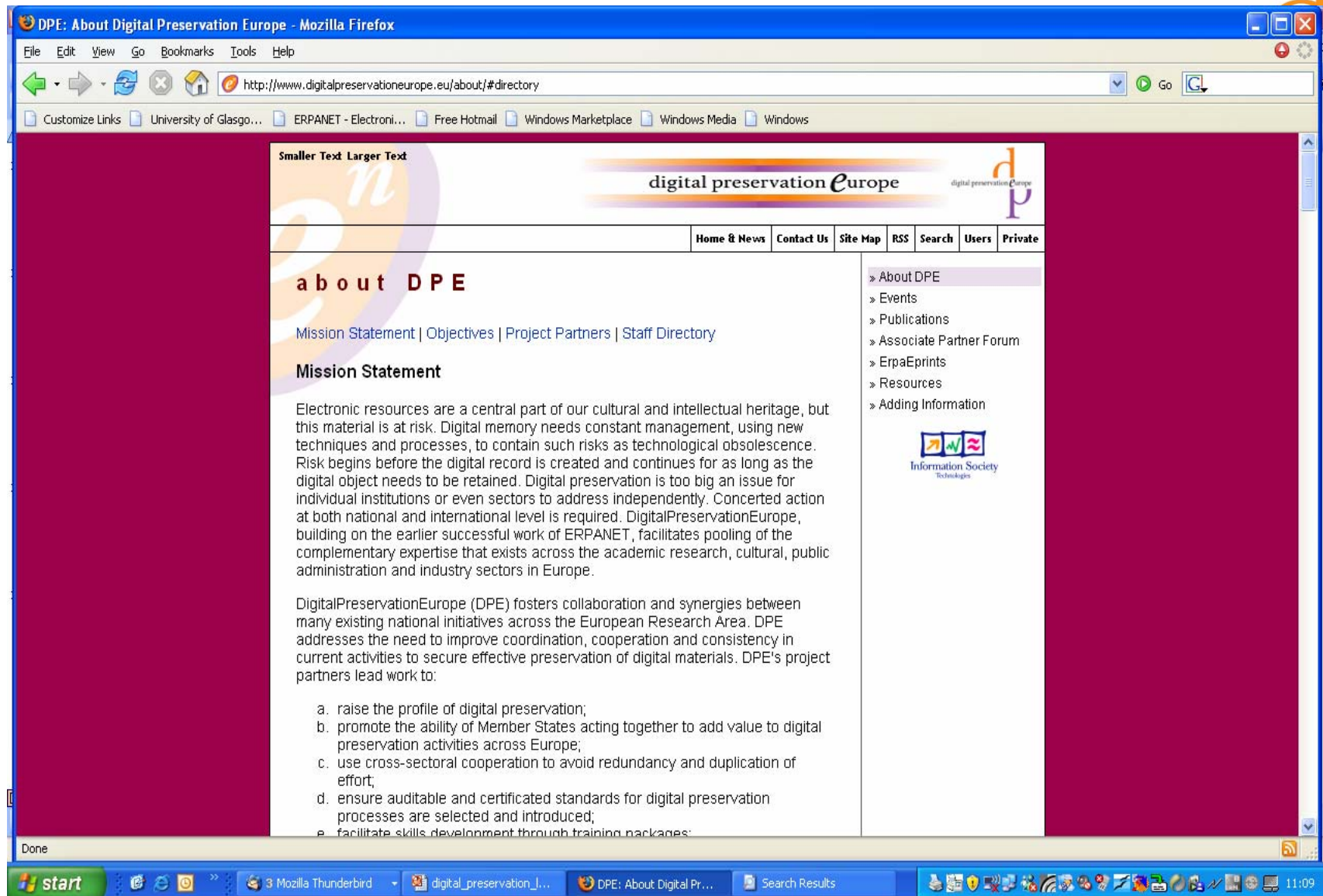


DPE Den Haag Presentation 3

What is *DPE*?



- *Digital Preservation Europe (DPE)* fosters collaboration & synergies between existing national initiatives across the European Research Area.
- *DPE* addresses the need to improve coordination, cooperation, and consistency in current activities to secure the longevity digital materials.



DPE Den Haag Presentation 5

The *DPE* Vision



- Create a coherent platform for proactive cooperation, collaboration, exchange and dissemination of research results and experience in the preservation of digital objects.
- To increase prevalence of preservation services and their viability and accountability.
- Improve awareness, skills, and available resources.

Who are we?

- HATII, University of Glasgow
- Technische Universität Wien
- Statsbiblioteket
- Nationaal Archief van Nederland
- Národní knihovna České republiky
- Ministero Per I Beni E Le Attività Culturali
- Fondazione Rinascimento Digitale
- Vilnius University Faculty of Communication
- FernUniversität Hagen (representing *nestor*)
 - Two new partners: SUB and Humboldt



Key Players in *dpe* at Launch: National Archives, Den Haag

Advocacy and Outreach

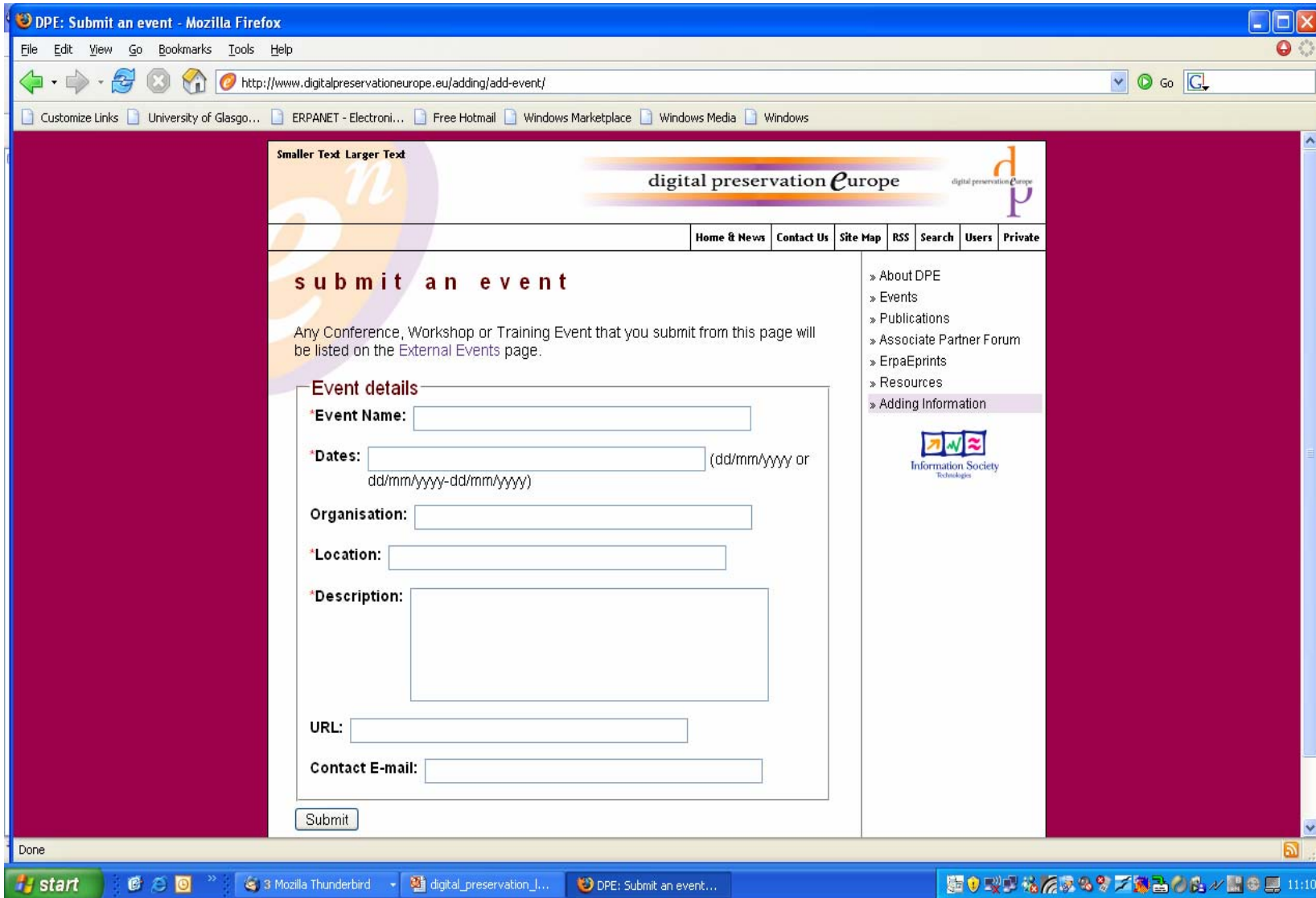


- Associate Partners Forum
- FP6 Preservation Showcase Annual Conference
 - 23 November 2006, Glasgow
 - 4-5 September 2007, Lisbon
 - October 2008, Valencia
- Awareness Workshops and Presentations
- Coordinate and develop collaborative mechanisms for current awareness across Europe

Collaborative Arrangements



- Established collaborative working arrangements with international activities and with European Projects.
- Organised workshop in Nice (FR) to facilitate training collaboration across Europe.
- Promoting collaborative action with Call 5 Projects
 - <http://www.wepreserve.eu>



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
- Foster Collaboration on Training between DPE, CASPAR, and Planets

Coordination 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



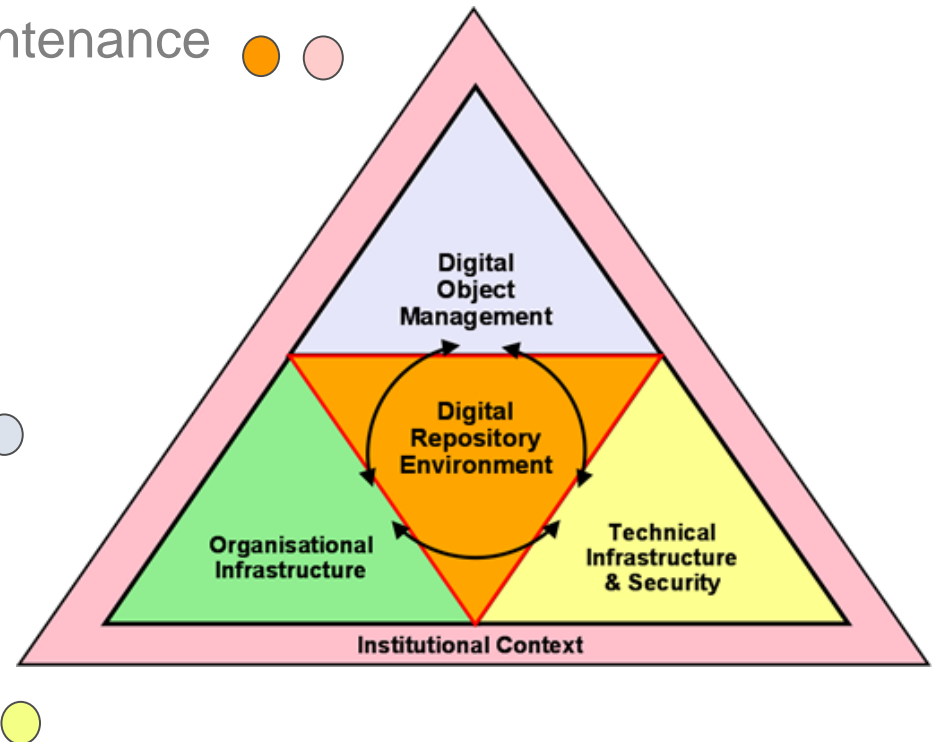
- Collaboration Agreements with DCC and
- Define audit and certification practices
- Create Self-Audit Toolkit
- Piloting of the DPE Audit and Certification Scheme
- Certification Result Repository
- Repository Validation Scheme

Participation in Audit and Certification International Efforts

- DPE contributed to the final definition of the Trustworthy Repositories Audit and Certification Checklist (released by RLG/OCLC/CRL)
- Developed collaborations with the Center for Research Libraries (Chicago), and Nestor
- Developed ten core principles that can be used to characterise a digital repository.
- Delivered in collaboration with DCC *The DRAMBORA Toolkit*

Repository Environments

- Ten principles conceived for Digital Repositories
- An intellectual context for the work:
 - Commitment to digital object maintenance
 - Organisational fitness
 - Legal & regulatory legitimacy
 - Effective & efficient policies
 - Acquisition & ingest criteria
 - Integrity, authenticity & usability
 - Provenance
 - Dissemination
 - Preservation planning & action
 - Adequate technical infrastructure



Objectives

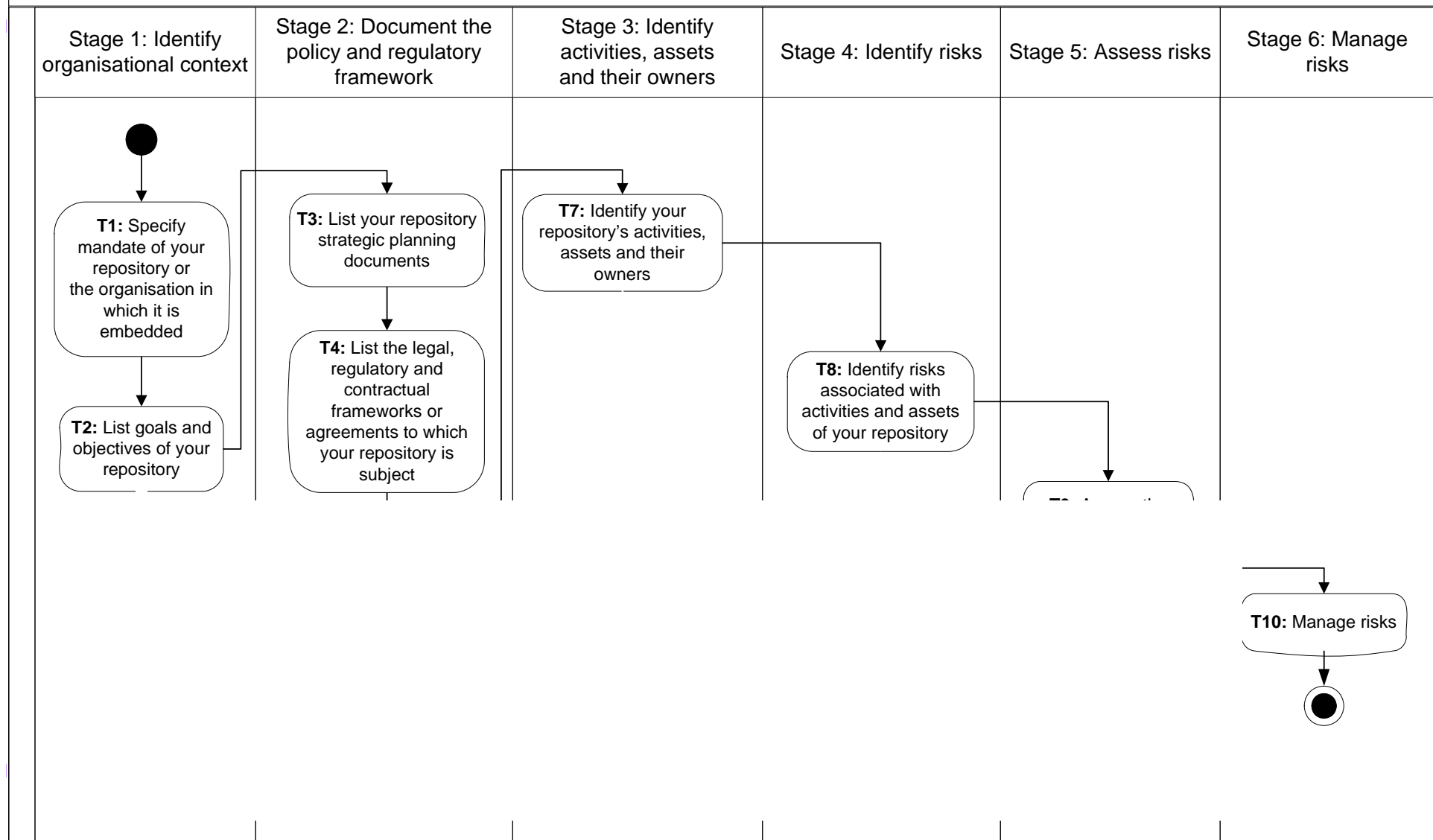
- The purpose of the DRAMBORA toolkit is to facilitate the auditor in:
 - defining the mandate and scope of functions of the repository
 - identifying the activities and assets of the repository
 - identifying the risks and vulnerabilities associated with the mandate, activities and assets
 - assessing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

Benefits of DRAMBORA

- Following the successful completion of the self-audit, organisations can expect to have:
 - Established a comprehensive and documented self-awareness of their mission, aims and objectives, and of intrinsic activities and assets
 - Constructed a detailed catalogue of pertinent risks, categorised according to type and inter-risk relationships
 - Created an internal understanding of the successes and shortcomings of the organisation
 - Prepared the organisation for subsequent external audit

DRAMBORA Workflow

Using the digital repository self-audit toolkit



Research and Practitioner Integration



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

DPEX Exchange Programme.

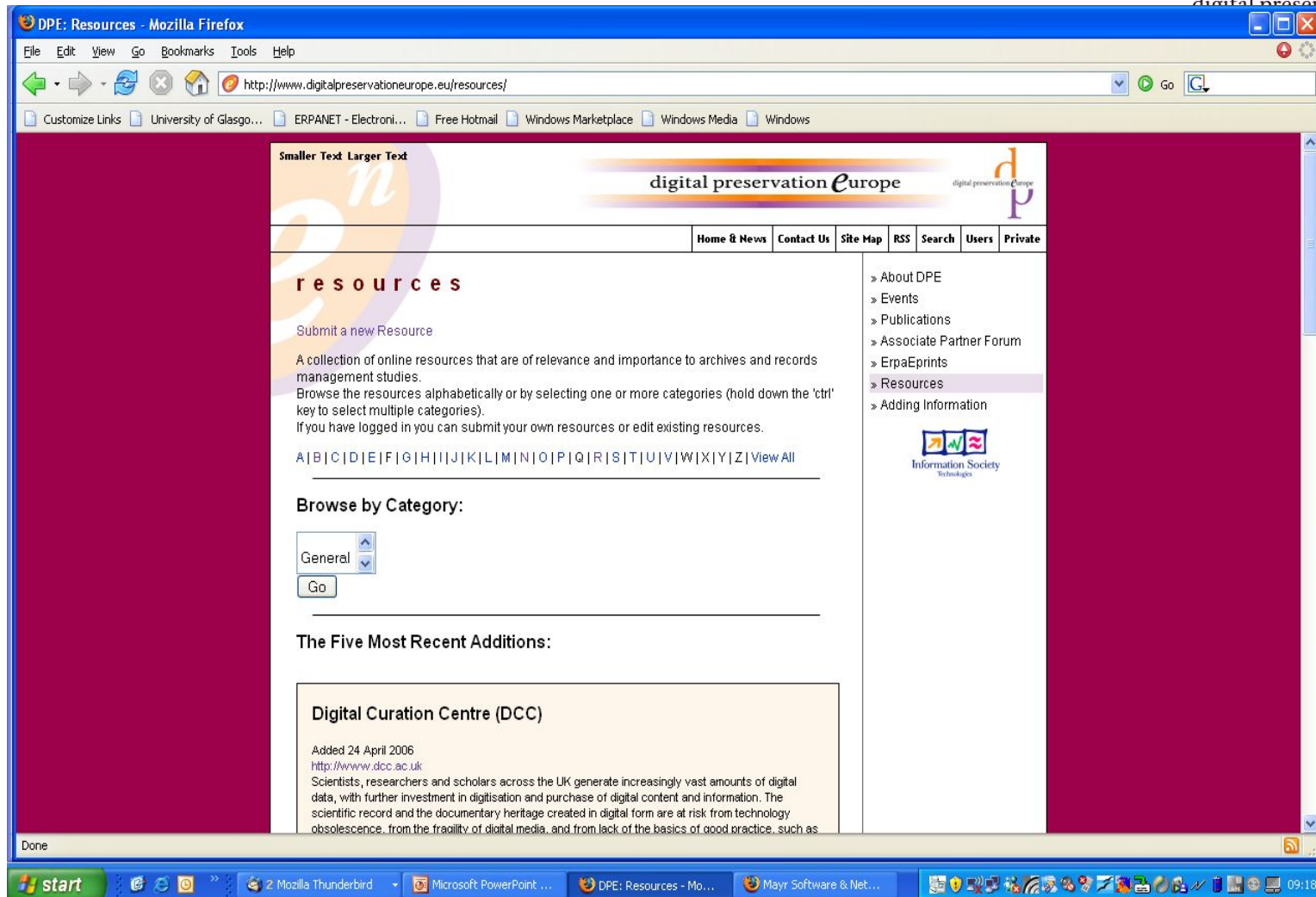


- The DPE Research and Industrial Exchange Programme has been launched
- It promotes:
 - communication
 - collaboration between digital preservation research groups.

*Established of the Digital
Preservation Challenge.*



- Presents participants, mostly undergraduate and postgraduate students, with a number of digital preservation ‘scenarios’ which require the rendering of an ‘unknown object’ to make its content known and accessible.



The screenshot shows a Mozilla Firefox browser window displaying the 'DPE: Resources' page. The address bar shows the URL 'http://www.digitalpreservationeurope.eu/resources/'. The page features a navigation menu with links for Home & News, Contact Us, Site Map, RSS, Search, Users, and Private. The main content area is titled 'resources' and includes a section for submitting new resources, a list of categories (A-Z), and a 'Browse by Category' dropdown menu set to 'General'. A 'Go' button is present below the dropdown. The 'The Five Most Recent Additions' section highlights the 'Digital Curation Centre (DCC)', added on 24 April 2006, with a link to 'http://www.dcc.ac.uk'. The DCC description states: 'Scientists, researchers and scholars across the UK generate increasingly vast amounts of digital data, with further investment in digitisation and purchase of digital content and information. The scientific record and the documentary heritage created in digital form are at risk from technology obsolescence, from the fragility of digital media, and from lack of the basics of good practice, such as...'. The browser's taskbar at the bottom shows several open applications, including Mozilla Thunderbird, Microsoft PowerPoint, and DPE Resources. The system tray on the right indicates the time as 09:18.

Competence Centres.

- A survey of Competence Centres in Europe
- Assessment of the character of Competence Centres.
- Definition of guidance on how to benchmark Competence Centres (Capacity, Context, Credibility, Commitment, Certification, Competition, Communication).

Why Establish Competence Centres

- The main objectives of the federation of competence centres should be to:
 - Establish a vibrant research programme that is informed by the requirements and experiences of a range of stakeholder communities
 - Nurture strong community relationships from a range of disparate stakeholders
 - Work with user communities and technology providers to develop tools and resources as well as relevant and valuable services
 - Achieve the 'virtuous circle' whereby expertise, experience and user requirements inform the federation's research and development activity

Our Approach to Competence Centres



- a federated approach to the provision of support and guidance
- a life-cycle approach to the provision of support and guidance
- better coordination of disparate competence centres' activities
- improved integration of competence centres with industry
- a more collaborative approach to the provision of training and outreach activities
- increased research capacity within competence centres to help push forward the international research agenda
- the introduction of competition between competence centres to drive performance
- the investigation of business models that will help to provide sustainable funding for competence centres' activity.

Research Roadmap



- Analysing the state of the art in Digital Preservation research and existing research agendas.
- Redefinition and refocusing of the Preservation research agenda
- Basis for development of research problem basis
- Provides a foundation for communication about research needs.

Refocused Landscape



- Restoration
- Conservation
- Management
- Risk
- Significant Properties of Digital Objects
- Interoperability
- Automation
- Context
- Storage
- Experimentation



news

dpe state of the art review on international competence centres for digital curation and preservation activity and expertise

Posted on 27th March 2007

DigitalPreservationEurope (DPE) is currently carrying out a state of the art review on international competence centres for digital curation and preservation activity and expertise. This report will be used to inform the European Commission of the current landscape in this arena. If you think that your project or institution should be included in our list, we invite you to complete the following on-line form. All contributions will be included in the final report submitted to the European Commission. [A list of institutions that have completed the survey](#) is also available. [Complete the survey.](#)

DCC and dpe Digital Repository Audit Toolkit and Tutorials

Posted on 7th March 2007

Together with The UK Digital Curation Centre, we are delighted to announce the release of our Digital Repository Audit Method Based on Risk Assessment (DRAMBORA) toolkit and supporting tutorials. This toolkit facilitates internal audit by providing repository administrators with a means to assess their capabilities, identify their weaknesses, and recognise their strengths. [Read the full announcement.](#)

dpe online delphi survey now available

Posted on 19th January 2007

A DPE research roadmap is currently in preparation and to deliver a vision for digital preservation and curation we need your help. The online delphi survey gives you the opportunity to answer five questions about five important digital preservation and curation themes and your input will have a direct impact on the roadmap's recommendations. [Find out more and participate in the survey here.](#)

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Next Steps



- Collaborate, Co-ordinate, Disseminate

DPE:

www.digitalpreservationeurope.eu

For Call 5 Collaboration

www.wepreserve.eu

For Repository Audit Support see:

<http://www.repositoryaudit.eu/>