

**Project no. 034762**

**DigitalPreservationEurope (DPE)**

**Instrument: Coordination Action**

**Thematic Priority: IST-2005-2.5.10**

**Access to and preservation of cultural and scientific resources**

**D. 2.2 Report on the evaluation and impact assessment of training programmes**

Due date of deliverable: 31.03.2009

Actual submission date: 23.04.2009

***Start Date of Project:***

01 April 2006

***Duration:***

36 Months

***Name of Organisation of Lead Contractor for this Deliverable:***

Goettingen State and University Library

***Names of Partners Engaged in this Deliverable:***

Vilnius University Faculty of Communication;

HATII, University of Glasgow

**Final**

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)

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## Catalogue Entry

<b>Title</b>	Report on the evaluation and impact assessment of training programmes
<b>Creator</b>	Vilnius University Faculty of Communication, Goettingen State and University Library
<b>Subject</b>	Information Technology; Science; Technology--Philosophy; Computer Science; Digital Preservation; Digital Records; Science and the Humanities; Training evaluation methodology.
<b>Description</b>	This report presents an evaluation and impact assessment of training programmes. It describes training aims and methodologies, gives overview of the training events, explains methodology of training evaluation and impact assessment, presents feedback and follow-up summaries, describes key areas for improvement and future actions.
<b>Publisher</b>	HATII at the University of Glasgow, includes FernUniversität Hagen, Fondazione Rinascimento Digitale, Ministero Per I Beni E Le Attività Culturali, Národní knihovna Ceske republiky, Nationaal Archief van Nederland, Statsbiblioteket, Technische Universität Wien, Vilnius University Faculty of Communication, Goettingen State and University Library.
<b>Contributor</b>	HATII at the University of Glasgow
<b>Date</b>	23.04.2009
<b>Type</b>	Text
<b>Format</b>	Adobe Portable Document Format v.1.3
<b>Resource Identifier</b>	ISSN
<b>Resource Identifier</b>	ISBN
<b>Resource Identifier</b>	DOI
<b>Language</b>	English
<b>Rights</b>	© DigitalPreservationEurope Partners

### Citation Guidelines

DigitalPreservationEurope, (March 2009), "Report on the evaluation and impact assessment of training programmes, DPE-D2.2", Retrieved 23.04.2009

<http://www.digitalpreservationeurope.eu/publications/reports>

### Document Version Control

Version	Date	Change Made (and if appropriate reason for change)	Initials of Commentator(s) or Author(s)
0.1	25/02/2008	Initial Version of D2.2	VK MP JK
0.2	26/02/2008	Addition nestor aspects	SS
0.3	7/03/2008	Additional comments	KS JD
0.4	22/04/2009	Upgrade	SS VK

### Document Quality Control

Version QA'd	Date	Recommendations (and if appropriate reason for change)	Initials of Quality Assurance Person
0.3	13/03/2008	Final Quality Assurance Check, minor changes made to text	EW
0.4	23.04.2009	Quality Assurance check and minor changes requested	EN

### Document Change Commentator or Author and Reviewer List

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Accepted by at European Commission (signature)	Date

## 1. Executive Summary

This report presents an evaluation and impact assessment of the training programmes organised by DigitalPreservationEurope (DPE) through its work on WorkPackage 2 – Training and Continuing Professional Development. It describes the methodology, organisation, structure, content, and audience composition of the DPE training events to date.

DPE designed a teaching methodology that combines access to pre-course and post-course materials online, lectures by experts and practitioners in the field, practical exercises, and group discussions on key issues. Our assessment of the training events held to date has revealed that they were considered to be well organised and structured and that they provided effective teaching methods for participants, particularly through the number of hands-on exercises.

The participants of DPE training events to date represented numerous disciplines and have enriched the overall content of the events by sharing personal experiences and presenting domain-specific views on the topics discussed. Feedback from participants indicates that the DPE training approach has been very effective for our heterogeneous audiences.

The production of organiser and trainer packs, as well as standard feedback and evaluation forms has made the organisation of the training events more efficient and has enabled us to measure and compare the training feedback and outcomes in order to refine our suite of training programmes. The overall feedback and follow-up confirms that the delivered DPE training events were a great success.

Most of the training events have been delivered collaboratively with other digital curation and preservation initiatives both within the EU and beyond. The collaborative process has helped to reduce duplication of effort and maximise our potential audiences and impact. We believe that our collaborative approach and innovative teaching methods provide a good model for future joint events and sets a benchmark in quality that may increase the overall standard of training provision in the EU and beyond.

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## 2. Introduction

DPE's training events aim to build a wider pool of practical skills and expertise in digital preservation across Europe. We are committed to establishing a common framework for training provision while allowing for domain-specific tailoring and references to the range of legislative requirements that exists within the EU countries. This document provides an assessment of the effectiveness and impact of DPE's collaborative training events.

Section three of this evaluation report contains detailed information on DPE's overall training aims and objectives as well as providing a definition of the DPE training methodology, the audiences the training programme intends to target, and the key training techniques to be employed. It also describes the contents of the training programme and outlines the promotion channels which are used in marketing DPE training events.

Section four presents a short overview of the DPE collaborative training events focusing on the specific aims and objectives for these events. In this section, we will describe the content presented before, during, and after these events as well as providing an insight into the practical exercises carried out by participants during the event.

Section five of this report outlines DPE's methodology for training evaluation and impact assessment and provides a summary of participant feedback and follow-up communications. The report concludes with some recommendations for improvements to DPE's suite of training programmes and future training actions.

### 3. Planning of the DPE Training Programme

DPE addresses the need to improve co-ordination, co-operation and consistency in current activities to secure effective preservation of digital materials. It will help to secure a shared knowledge based on the processes, synergy of activity, systems and techniques needed for the long term management of digital material. The training work package has contributed to this aim by establishing a training framework that helps to develop the practical skills and expertise in digital preservation amongst our target communities across Europe. DPE training events facilitate knowledge transfer between leading experts and established practitioners in digital preservation (DP) so that event participants can return to their own institutions with the practical skills needed to begin to tackle their specific digital preservation challenges.

While developing our training methodology and programme, DPE were determined that it should be responsive to the actual needs of core DP communities. In other words, it should provide practical rather than theoretical examples and guidance wherever possible. The first steps were to identify the key anticipated outcomes resulting from the DPE training programme, the different audiences that would need to be targeted, pinpoint the most effective training techniques, and determine the levels of pre-course knowledge required of participants. The findings were summarised in the document 'DPE Training Plan'<sup>1</sup>. It lists the possible audiences and training techniques, the learning objectives and content of individual courses, the locations and dates of individual events, and the resources that will be needed for these trainings to be successful.

To deliver the necessary number and level of training courses, ongoing co-operation and collaboration with other projects was essential. DPE worked closely with DELOS, CASPAR, Planets, nestor and other organisations and institutions in order to progress our respective training plans<sup>2</sup>. We collaboratively identified the core knowledge requirements of our user communities and distinguished areas where each project can contribute specific content to help achieve our collective aims.

#### 3.1 Audience

Given DPE's objectives to deal with the issues surrounding the curation and preservation of digital objects across the broad spectrum of national and regional cultural and scientific heritage activity in Europe as well as fostering collaboration between research and practitioner communities, the main audience for training comes from major European libraries and archives. Another target group are smaller institutions from the Archives, Libraries and Museums sector, such as university libraries and archives, other institutions such as data archives, government and business.

Within these institutions and sectors the following audiences organisers targeted: practitioners – staff working within MLA institutions, such as librarians and archivists; researchers – individuals working in libraries, archives, museums, higher education, in the fields of communication and computer sciences, which are directly involved in digital preservation issues; developers – a group that includes those employed by commercial vendors, but also institutional IT experts within the MLA, government and business sectors, who would be responsible for digital preservation in these institutions.

Assuming that it can't be too early to start dealing with digital curation and preservation, another target group of the DPE training programme are students from different sectors. Both students from the cultural heritage sector (Archives, Libraries, and Museums) and students from technical/programming/computer areas are identified as target group for the DPE training events.

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1 [http://www.digitalpreservationeurope.eu/private/pages/wiki/images/4/48/DPE\\_training\\_plan.doc](http://www.digitalpreservationeurope.eu/private/pages/wiki/images/4/48/DPE_training_plan.doc)

2 On 27-30 of March DPE, Planets, CASPAR, DCC and nestor had a joint meeting in Nice during which examined what is the best way to work together to reduce duplication of efforts and maximise limited resources to provide the best possible training programme for their user communities.

### 3.2 Training techniques

The DPE training programme makes use of diverse training techniques. Their choice depends on the contents, audience of the specific course, and aims to be achieved by this training. It was unanimously agreed that the greatest impact could be achieved through the combination of theory and practice, face-to-face training and providing trainees with background and supporting materials and documentation in printed and on-line formats. Formal training activities could be complimented with visits to respective digital preservation institutions and participation in digital preservation oriented conferences or workshops.

The face-to-face training delivered consisted of lectures and practical exercises (in groups and individual tasks). These techniques work well in the context of more general courses. Lectures are useful in delivering the key points to the overall group, whilst the exercises provided the true 'hands-on' element of the course.

Practical exercises and practical tasks allow participants to think about the subjects for themselves and if followed by discussion to learn how representatives of other professional backgrounds might deal with particular issues.

On-line training tools were primarily used to supplement and enhance face-to-face training possibilities. In accordance with DPE's plan to deliver three days of pre-course and three days of post-course training, it was decided to use Moodle software package. Moodle offers a variety of features, which enhances the e-learning process. It could offer post-event support documentation and publicly accessible complete tutorials. Effective online tutorials could be a key secondary training method for this group especially considering that Moodle is the course management system used by Planets and CASPAR.

### 3.3 Contents of the Training programme

Wide discussions with DPE partners and the international digital preservation community in general enabled us to identify key topics that should be covered by the DPE training programme. The topics that were identified are as follows:

- General introduction into digital preservation
- Management of digital preservation initiatives
- Preservation planning process
- Digital preservation tools
- Trusted Repositories
- Digital repository audit and certification
- Digital preservation policies
- Research and practitioner integration
- Training and continuing professional development
- Digital preservation standards (metadata, OAIS etc.)

Based on these findings, the work package has identified a number of modules which could be used as the foundation for any training courses delivered. These modules have the potential to be combined with other modules for either DPE courses or for shorter courses as part of conferences and collaborative training initiatives. The majority of courses offered weren't homogenous, but offered a combination of general courses, information and guidance on existing tools, and provided a forum for debate on current hot topics. This flexible, modular approach enables DPE to present key preservation themes that can be easily updated as required to reflect advances in research and development in the field of digital preservation.

### 3.4. Promotion of training courses

In order to promote DPE training events to as wide an audience as possible, organisers have identified the following dissemination channels:

- Announcements in various newsletters, magazines, web logs maintained by relevant professionals, and via online event calendars; DPE cooperates with PLANETS, CASPAR, nestor and the DCC in this respect to share event information through the individual project event calendars
- Direct and targeted invitations (regular mail or email) to professionals at national archives and libraries in Europe
- Specially designed material to promote DPE training that encourages potential attendees and/or users to visit the DPE web site for more information on actual events and online tutorials
- Dedicated training event pages are also made available via the WePreserve web site. WePreserve is a window on the synergistic activities of DigitalPreservationEurope (DPE), Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval (CASPAR), and Preservation and Long-term Access through NETworked Services (PLANETS).

### 3.5. Evaluation of training courses

In order to evaluate the ongoing quality and impact of DPE training courses over the entirety of the project, DPE has developed an evaluation methodology and prepared evaluation tools that enabled us to analyse both the short-term and long-term data we collect on the effectiveness and overall impact of our training programmes. The collection instruments include:

Feedback form – for completion by each participant at the end of an event;

Event report – providing details on the event for the purpose of the project websites;

Feedback report – a short report on the event summarising the feedback form results and identifying its successes and gaps;

Course completion form – this form was completed after each course in order to record statistical information such as number of attendees, gender, origins, summary of evaluation etc;

Evaluation report – a short report to evaluate the success and effectiveness of the event.

## 4. Overview of Training Events

In 2007 DPE worked in close co-operation with Planets, CASPAR, and nestor to identify the knowledge requirements of our core user communities, and to distinguish areas where collaborative digital preservation courses could be delivered. This collaboration makes it possible for us to offer training events covering a number of inter-related topics that are out of scope for any of the projects individually, but of relevance to our collective target audience groups.

In co-operation with Planets, CASPAR, DELOS, nestor, DCC and the Feltrinelli Foundation, DPE has already delivered several training events:

1. nestor/DPE Spring School 2007 'Introduction in Digital Preservation' (see Agenda Annex A)
2. DPE/DELOS Summer School 2007 (see Agenda Annex B)
3. DPE/Planets/nestor joint training event 'Principles of Digital Preservation: a hands-on approach' (see Agenda Annex C)
4. nestor/DPE Winter School 2007 - 'Practical Application Areas of Digital Preservation' (see Agenda Annex D)
5. nestor/DPE Summer School 2008 'Technologies and Strategies of Digital Preservation' (see Agenda Annex E)
6. DPE/DELOS Summer School 2008 (see Agenda Annex F)
7. DPE/Planets/CASPAR/nestor joint training event 'Starting out: preserving digital objects – principles and practice' (see Agenda Annex G)
8. nestor/DPE Spring School 2009 'Digital Preservation: From Concept to Realisation' (see Agenda Annex H)
9. DPE/Planets/CASPAR/nestor joint training event 'The Preservation challenge: basic concepts and practical applications' (see Agenda Annex I)

### 4.1. nestor/DPE Spring School 2007 'Introduction in Digital Preservation'

The nestor/DPE Spring School 2007 'Introduction in Digital Preservation' was held from 11 – 15 March 2007 in Gernrode in the Harz region of Germany.

An audience of nearly forty students, practitioners, researchers and university lecturers representing the complete cultural heritage sector of archives, museums and libraries stayed from Sunday to Thursday at the Cyriakusheim in Gernrode to participate in the intensive discussions about digital preservation issues.

Similar to the program for the DELOS Summer Schools, the lessons consisted of an introductory talk, followed by group work and then presentations of the results concluding with intensive discussions.

The nestor/DPE Spring School provided an intensive and fertile learning environment leading to some presentations being spontaneously contributed by the audience. In addition to the structured lessons, there were further discussions covering topics such as "Preservation Policies", "Experiences from the kopal Project" or "Digital Preservation in Switzerland". There was also time for relaxation, a walking-tour in the countryside; several social evenings and a visit to the famous collegiate church of Gernrode afforded opportunities for networking and an informal exchange of ideas.

**Table 1 nestor/DPE Spring School**

<b>Course title:</b> nestor/DPE Spring School 2007 'Introduction in Digital Preservation'	
<b>Locations and dates:</b> Cyriakusheim, Gernrode, Germany (11-15 March 2007)	<b>Duration:</b> 5 days
<b>Number of attendees:</b> 33 students and 6 trainers	
<b>Lead Partner/project:</b> Goettingen State and University Library / nestor	<b>Participating partners:</b> Digital Preservation Europe (DPE)
<b>Sessions delivered:</b>	

<ul style="list-style-type: none"> <li>- Introduction in digital preservation</li> <li>- Preservation metadata</li> <li>- Trusted repositories</li> <li>- The OAIS Reference model</li> <li>- File formats, significant properties</li> <li>- Selection Criteria</li> <li>- Preservation Policy</li> </ul>
<p><b>Teaching methods:</b> Mixture of lectures and practical activities</p>
<p><b>Trainers:</b></p> <ul style="list-style-type: none"> <li>• Karsten Huth, Bundesarchiv</li> <li>• Jens Ludwig, Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Heike Neuroth, Head of Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Achim Osswald, Professor at Cologne University of Applied Sciences</li> <li>• Regine Scheffel, Professor at Leipzig University of Applied Sciences</li> <li>• Stefan Strathmann, Research &amp; Development, Goettingen State and University Library (SUB)</li> </ul>

## 4.2 DPE/DELOS Summer School 2007

The DELOS International Summer School on Digital Preservation and Digital Libraries was held at the Santa Croce in Fossabanda, an enchanting renovated former Convent in Pisa (Italy) from the 4th to the 8th of June 2007 in cooperation with the DELOS Association on Digital Libraries and Digital Curation Centre (DCC). The event brought together thirty-five participants from seven countries to investigate digital preservation challenges and approaches within the context of digital libraries. It provided an excellent opportunity for participants to meet and share their personal experiences with researchers, experts, and practitioners representing a range of disciplines.

The event was targeted at young researchers and professionals with an interest in the topic of digital curation and preservation. The aim of this summer school was to assist participants in gaining an appreciation of the issues and challenges surrounding digital preservation within the context of digital library development and management, and develop a grasp of the core research in the area of digital curation and preservation.

The event followed the structure of individual sessions, with each covering a specific aspect of digital preservation and curation. Sessions consisted of introductory lectures, followed by group work, presentation of results and discussion. The different professional backgrounds and experiences of participants allowed for interesting debates and provided the possibility to share experience or raise specific issues.

In addition participants were provided with a welcome reception the evening before the course began and a social event and dinner to encourage more informal networking opportunities.

**Table 2 DPE/DELOS summer school 2007**

<b>Course title:</b> DELOS summer school 2007	
<b>Locations and dates:</b> - Santa Croce in Fossabanda, Pisa, Italy (4-8 June 2007)	<b>Duration:</b> - 5 days
<b>Number of attendees:</b> 35 students and 10 trainers	
<b>Lead Partner/project:</b> DELOS Association on Digital Libraries	<b>Participating partners:</b> DigitalPreservationEurope (DPE) and Digital Curation Centre (DCC)
<b>Sessions delivered:</b> <ul style="list-style-type: none"> <li>- Introduction to Digital Preservation &amp; Preservation Challenges</li> <li>- Metadata Approaches for Digital Preservation</li> <li>- Registries and File Formats</li> <li>- Approaches to Preservation</li> <li>- Identifying, Evaluating and Selecting Preservation Methods</li> </ul>	

- Current and Emerging Storage Technologies
- Repository Models: From Experimentation to Services
- A systematic approach to preserving authenticity
- Mechanisms for Assessing Preservation Service Performance

**Teaching methods:**

Mixture of lectures and practical activities

**Trainers:**

- Michael Day, UKOLN
- Maria Guercio, University of Urbino & CASPAR
- Hans Hofman, National Archives of the Netherlands & DPE
- Perla Innocenti, HATII at the University of Glasgow DCC & DPE
- Andreas Rauber, Vienna University of Technology & DPE
- Peter Rödiger, Universität der Bundeswehr München
- Seamus Ross, HATII at the University of Glasgow & DPE
- Stefan Strathmann, Goettingen State and University Library (SUB), nestor & DPE
- Manfred Thaller, University of Cologne
- Ken Thibodeau, NARA

### 4.3 DPE/Planets/nestor joint training event ,Principles of Digital Preservation: a hands-on approach‘

The DPE/Planets/nestor joint training event ‘Principles of Digital Preservation: a hands-on approach’ was held in the National Library of Lithuania, Vilnius, on 1-5 October 2007 in cooperation with the international conference “Communication of memories in archives, museums and libraries: the interaction of science, policy and practice”, providing participants with further networking opportunities to meet other researchers, international experts and practitioners across disciplinary and national boundaries.

The event was targeted at practitioners and researchers from the archives, libraries and museums sectors, as well as other institutions such as data archives, government departments and businesses with an interest in the topic. The aim of this training event was to assist participants in understanding the activities surrounding digital preservation, to introduce them to a number of key digital preservation principles and to provide an opportunity to apply this knowledge through a number of hands-on exercises.

The event followed the structure of individual sessions, with each covering a specific aspect of digital preservation. Sessions consisted of introductory lectures, followed by group work, presentation of results and discussion. The different professional backgrounds and experiences of participants allowed for interesting debates and provided the possibility to share experience or raise specific issues. In addition to the sessions participants were provided with access to online training materials before and after the course, including recommended reading, questions and exercises. This allowed for the development of knowledge and skills beyond the issues covered during the event.

In addition participants were provided with a welcome reception the evening before the course began, and a social event and dinner to encourage more informal discussions.

**Table 3: DPE/Planets/nestor joint training event**

<b>Course title:</b> DPE/Planets/nestor joint training event ,Principles of Digital Preservation: a hands-on approach‘	
<b>Locations and dates:</b> - Martynas Mazvydas National Library of Lithuania, Vilnius, Lithuania (1-5 October 2007)	<b>Duration:</b> 5 days
<b>Number of attendees:</b> 22 students and 5 trainers	

<b>Lead Partner/project:</b> Digital Preservation Europe (DPE)	<b>Participating partners:</b> Preservation and Long term Access through Networked Services (PLANETS); Network of Expertise in Long-Term Storage of Digital resources (nestor)
<b>Sessions delivered:</b>	
<ul style="list-style-type: none"> <li>- Introduction in digital preservation</li> <li>- Preservation metadata</li> <li>- Trusted repositories</li> <li>- The OAIS Reference model</li> <li>- File formats, significant properties</li> <li>- The Preservation Planning Process and Planets</li> <li>- Identifying Essential Characteristics of Digital objects</li> </ul>	
<b>Teaching methods:</b>	
Mixture of lectures and practical activities plus online support	
<b>Trainers:</b>	
<ul style="list-style-type: none"> <li>• Christoph Becker, PhD researcher at the Department of Software Technology and Interactive Systems at the Vienna University of Technology.</li> <li>• Michael Day, Research Officer, UKOLN, University of Bath.</li> <li>• Hans Hofman, senior advisor at the National Archives of the Netherlands.</li> <li>• Stefan Strathmann, Research &amp; Development, Goettingen State and University Library (SUB).</li> <li>• Manfred Thaller, Professor of Information Development in Historical and Cultural Studies, University of Cologne.</li> </ul>	

#### 4.4 nestor/DPE Winter School 2007 – ‘Practical Application Areas of Digital Preservation’

The fourth training event – nestor/DPE Winter School 2007 ‘Practical Application Areas of Digital Preservation’ was held in Gernrode/Harz, Germany, from 11 – 15 November 2007. This five-day training event was organised by the Goettingen State and University Library (SUB), the nestor partner responsible for training and education, together with DPE and representatives from several FE and HE institutions. The event was targeted at practitioners and students from the cultural heritage sector. The aim of this winter school was to provide an introduction to the practical aspects of digital preservation and discuss relevant practical issues, to educate the beginners and students and provide the practitioners with valuable guidance for their daily work.

The Winter School comprised five lessons and a number of lectures and discussions. The lessons consisted of an introductory talk, followed by group work and then presentations of the results concluding with intensive discussions. In addition to the structured lessons, there were other discussions covering topics such as “Digital Preservation in Switzerland and Austria”.

There was also time for relaxation, a guided tour through the village of Gernrode, several social evenings and a visit to the famous collegiate church of Gernrode provided good opportunities for networking and the informal exchange of ideas.

**Table 4 nestor/DPE Winter School 2007**

<b>Course title:</b> nestor/DPE Winter School 2007 - ,Practical Application Areas of Digital Preservation’	
<b>Locations and dates:</b> - Cyriakusheim, Gernrode, Germany (11-15 November 2007)	<b>Duration:</b> 5 days
<b>Number of attendees:</b> 34 students and 9 trainers	
<b>Lead Partner/project:</b> Goettingen State and University Library / nestor	<b>Participating partner:</b> Digital Preservation Europe (DPE)

<p><b>Sessions delivered:</b></p> <ul style="list-style-type: none"> <li>- Introduction in practical digital preservation</li> <li>- Criteria for archival systems</li> <li>- Introduction in existing archival systems</li> <li>- Web archiving</li> <li>- Preservation planning</li> </ul>
<p><b>Teaching methods:</b></p> <p>Mixture of lectures, practical activities and discussions</p>
<p>Trainers:</p> <ul style="list-style-type: none"> <li>• Frank M. Bischoff, Head of the School of Archival Studies Marburg</li> <li>• Karsten Huth, Federal Archives, Germany</li> <li>• Gerd Klein, State Office of preservation of historical monuments and Archaeology</li> <li>• Jens Ludwig, Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Heike Neuroth, Head of Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Achim Osswald, Professor at Cologne University of Applied Sciences</li> <li>• Andreas Rauber, Professor at the Vienna University of Technology</li> <li>• Stefan Strathmann, Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Angela Ullmann, Parliament Archive at the German Bundestag</li> </ul>

#### 4.5 nestor/DPE Summer School 2008 'Technologies and Strategies of Digital Preservation'

The nestor/DPE Summer School 2008 'Technologies and Strategies of Digital Preservation' was held from 15th to 20th June 2008 at the BDB-Musikakademie in Staufen/Breisgau, Germany. This five-day training event was organised by the Goettingen State and University Library (SUB), the nestor partner responsible for training and education, together with DPE and representatives from several FE and HE institutions in Germany, Austria and Switzerland. There was a great deal of interest in the 2008 nestor/DPE Summer School: 47 individuals from Germany, Austria and Switzerland - including students, researchers, representatives from different companies, technical staff from archives, museums and libraries - used the opportunity to increase their knowledge in the field of digital preservation and to consult with their peers.

The aim of this summer school was to provide an introduction to the practical aspects of digital preservation and discuss relevant practical issues, to educate the beginners and students and provide the practitioners with valuable guidance for their daily work. The Summer School was divided into two parts: the first part was a general examination of the subjects of metadata and standards within the context of long-term digital preservation, followed by presentations on file formats/significant properties, OAIS, certification and selection criteria. The second block featured an advanced workshop on technology-based digital preservation strategies. Questions regarding the durability of data carriers were addressed, as was the selection of suitable long-term preservation strategies in the field of preservation planning. The Summer School comprised seven lessons and a number of lectures and discussions. The lessons consisted of an introductory talk, followed by group work and then presentations of the group-results concluding with intensive discussions.

There was also time for relaxation, a walking-tour in the black-forest area and several social evenings provided good opportunities for networking and the informal exchange of ideas.

The offer to book only one part of the school was not accepted as much as anticipated; and accordingly was discontinued for the nestor/DPE Spring School 2009.

**Table 5: nestor/DPE Summer School 2008**

<b>Course title:</b> nestor/DPE Summer School 2008 'Technologies and Strategies of Digital Preservation'	
<b>Locations and dates:</b> BDB-Musikakademie in Staufen/Breisgau	<b>Duration:</b> 5 days

(Germany), 15-20 June 2008	
<b>Number of attendees:</b> Forty-seven students and ten lecturers	
<b>Lead Partner/project:</b> Goettingen State and University Library / nestor	<b>Participating partner:</b> DPE
<b>Sessions delivered:</b> <ul style="list-style-type: none"> <li>- Introduction to digital preservation</li> <li>- Metadata and Standards</li> <li>- Digital objects and their properties</li> <li>- OAIS, certification, criteria</li> <li>- Digital preservation strategies</li> <li>- Storage technologies</li> <li>- Preservation Planning</li> </ul>	
<b>Teaching methods:</b> Mixture of lectures, practical activities and discussions	
<b>Trainers:</b> <ul style="list-style-type: none"> <li>• Dr. Heike Neuroth, Head of Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Prof. Dr. Achim Oßwald, Professor at Cologne University of Applied Sciences</li> <li>• Prof. Regine Scheffel, Professor at Leipzig University of Applied Sciences</li> <li>• Jens Ludwig, Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Prof. Dr. Niklaus Stettler, Professor at Chur University of Applied Sciences</li> <li>• Stefan Strathmann, Research &amp; Development, Goettingen State and University Library (SUB)</li> <li>• Dr. Frank M. Bischoff, Head of the School of Archival Studies Marburg</li> <li>• Karsten Huth, Federal Archives, Germany</li> <li>• Prof. Dr. Rolf Däßler, Professor at Potsdam University of Applied Sciences</li> <li>• Prof. Dr. Andreas Rauber, Professor at the Vienna University of Technology</li> </ul>	

#### 4.6 DPE/DELOS Summer School 2008

The DELOS International Summer School on preservation in digital libraries was held at the Grand Hotel Continental in Tirrenia (Italy) from the 9th to the 13th of June 2008, in cooperation with the DELOS Association on Digital Libraries, Digital Curation Centre (DCC) and the Feltrinelli Foundation. The event brought together forty-seven participants from twenty countries (from Europe, Asia, South and North America) to investigate digital preservation challenges and approaches within the context of digital libraries and provided an excellent opportunity for participants to meet and share their personal experiences with researchers, experts, and practitioners representing a range of disciplines.

The event was targeted at young researchers, archivists, librarians, commercial sector and professionals with an interest in the topic of digital curation and preservation. The aim of this summer school was to assist participants in gaining an appreciation of the issues surrounding digital preservation within the context of institutions working with documents and data, and develop a grasp of the core research in the area of digital curation and preservation.

The event followed the structure of eight half-day sessions, with each covering a specific aspect of digital preservation. Sessions consisted of introductory lectures, followed by group work, presentation of results and discussion. The different professional backgrounds and experiences of participants allowed for interesting debates and provided the opportunity to share experiences of specific digital preservation issues.

In addition to the sessions on participants were also provided with a seminar from the TRAME Project and the Feltrinelli Foundation on Preservation State of the Art. At the seminar participants received information on activities organized in the framework of several European digital preservation projects and had an opportunity to listen to prominent specialists in the field of digital preservation, who were also available throughout the event for discussions.

Away from the training sessions a number of social activities were organized. Participants were invited to a welcome reception the evening before the course, as well as being treated to a social dinner on Thursday. Several social evenings provided further opportunity for exchange of ideas and networking.

**Table 6: DPE/DELOS Summer School 2008**

<b>Course title:</b> DELOS summer school 2008	
<b>Locations and dates:</b> - The Grand Hotel Continental, Tirrenia, Italy (9-13 June 2008)	<b>Duration:</b> - 5 days
<b>Number of attendees:</b> 47 students and 8 trainers	
<b>Lead Partner/project:</b> DELOS Association on Digital Libraries	<b>Participating partners:</b> DigitalPreservationEurope (DPE), Digital Curation Centre (DCC) and Feltrinelli Foundation
<b>Sessions delivered:</b> <ul style="list-style-type: none"> <li>- Introduction to Data Curation and Preservation Challenges</li> <li>- Metadata Approaches for Digital Preservation</li> <li>- Approaches to Preservation and Curation</li> <li>- Identifying, Evaluating and Selecting Preservation Methods</li> <li>- Current and Emerging Scientific Data Curation Practices</li> <li>- Registries and File Formats</li> <li>- Repository Models: From Experimentation to Services</li> <li>- Mechanisms for Assessing Preservation Service Performance: DRAMBORA, TRAC, and nestor</li> </ul>	
<b>Teaching methods:</b> Mixture of lectures and practical activities	
<b>Trainers:</b> <ul style="list-style-type: none"> <li>• Priscilla Caplan, Florida Center for Library Automation</li> <li>• Michael Day, UKOLN</li> <li>• Hans Hofman, National Archives of the Netherlands &amp; DPE</li> <li>• Perla Innocenti, HATII at the University of Glasgow &amp; DPE</li> <li>• Andreas Rauber, Vienna University of Technology &amp; DPE</li> <li>• Seamus Ross, HATII at the University of Glasgow &amp; DPE</li> <li>• Manfred Thaller, University of Cologne</li> <li>• Stephen Grace, eResearch Centre at King's College London</li> </ul>	

#### 4.7 DPE/Planets/CASPAR/nestor joint training event 'Starting out: preserving digital objects – principles and practice'

The joint DPE/Planets/CASPAR/nestor training event 'Starting out: preserving digital objects – principles and practice' was held in the National Library of Czech Republic and Charles University, Prague, on 13-17 October 2008 in cooperation with the international 'WePreserve' Forum, providing participants an insight into cutting-edge research and development activity from a number of European Commission funded projects and with further networking opportunities to meet other researchers, international experts and practitioners across disciplinary and national boundaries.

The event was targeted at practitioners and researchers from the archives, libraries and museums sector, as well as other institutions such as data archives, government departments, legal and commercial sectors with an interest in the topic. The aim of this training event was to assist participants in understanding activities surrounding digital preservation, to introduce them to a number

of key digital preservation principles and to provide an opportunity to apply this knowledge through a number of hands-on exercises.

The event followed the structure of individual sessions, with each covering a specific aspect of digital preservation. Sessions consisted of introductory lectures, followed by group work, presentation of results and discussion. The different professional backgrounds and experiences of participants allowed for interesting debates and provided the possibility to share experience or raise specific issues. In addition to the face to face sessions participants were also provided with one week pre-course and one week post-course online training through the WePreserve Moodle. This allowed for the development of knowledge and skills beyond the issues covered during the event.

In addition participants were provided with a welcome reception the evening before the course began, guided tours through the old part of the Library and historical seat of the Charles University, and a social event and dinner to encourage more informal networking opportunities.

**Table 7: DPE/Planets/CASPAR/nestor joint training event ‘The Preservation challenge: basic concepts and practical applications’**

<b>Course title: DPE/Planets/CASPAR/nestor joint training event ‘Starting out: preserving digital objects – principles and practice’</b>	
<b>Locations and dates:</b> - National Library of Czech Republic and Charles University, Prague, Czech Republic (13-17 October 2008)	<b>Duration:</b> - 5 days face to face sessions - one week pre-course and one week post-course online training
<b>Number of attendees:</b> 27 students and 11 trainers	
<b>Lead Partner/project:</b> Digital Preservation Europe (DPE)	<b>Participating partners:</b> Preservation and Long term Access through Networked Services (PLANETS); Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval (CASPAR); Network of Expertise in Long-Term Storage of Digital resources (nestor)
<b>Sessions delivered:</b> - Introduction in digital preservation - OAIS Model and Representation Information - Preservation Analysis Workflow and Preservation Descriptive Information - Digital Preservation Preparation and Requirements - File Formats, Significant Properties - Preservation Metadata - Preservation planning including PLATO - Preservation infrastructure - Trusted repositories - Self audit and self-certification principles using DRAMBORA toolkit	
<b>Teaching methods:</b> Mixture of lectures and practical activities plus online course	
<b>Trainers:</b>  <ul style="list-style-type: none"> <li>• David Giaretta, Rutherford Appleton Laboratory &amp; CASPAR</li> <li>• Seamus Ross, HATII at the University of Glasgow &amp; DPE</li> <li>• Hans Hofman, National Archives of the Netherlands, Planets &amp; DPE</li> <li>• Carlo Meghini, The National Research Council &amp; CASPAR</li> <li>• Manfred Thaller, University of Cologne &amp; Planets</li> <li>• Esther Conway, STFC Rutherford Appleton Laboratory &amp; CASPAR</li> <li>• Christoph Becker, Vienna University of Technology, Planets &amp; DPE</li> <li>• Luigi Briguglio, Engineering Ingegneria Informatica &amp; CASPAR</li> <li>• Stefan Strathmann, Goettingen State and University Library (SUB), nestor &amp; DPE</li> </ul>	

- Perla Innocenti, HATII at the University of Glasgow & DPE
- Angela Dappert, British Library & Planets

#### 4.8 nestor/DPE Spring School 2009 'Digital Preservation: From Concept to Realisation'

The nestor/DPE Spring School 2009 – took place from 16th to 20th of March again in Staufeu/Breisgau in the Black Forest area of Southern Germany. The five-day training event was organised together with representatives from several FE and HE institutions in Germany, Austria and Switzerland.

The event was entitled "nestor/DPE Spring School 2009: Digital Preservation - From design to implementation" and introduced a broad range of aspects related to digital preservation. It included two main areas, creating a digital archive and preserving research data, each covered by several sessions.

39 individuals from Germany, Austria and Switzerland - including students, researchers, representatives from different companies, technical staff from archives, museums and libraries - used the opportunity to exchange their knowledge in the field of digital preservation and to consult with their peers.

The school aimed to introduce participants to the first steps of the implementation of a digital archive. Several preservation systems were discussed and especially the ingest processes were explained in detail. The other main area, curation of research data, was explained by as well conceptual reasoning as well through practical experiences in the German Helmholtz Association.

The Spring School comprised seven lessons and a number of lectures and discussions. The lessons consisted of an introductory talk, followed by group work and then presentations of the group-results concluding with intensive discussions.

There was also time for relaxation, a walking-tour in the black-forest area and several social evenings provided good opportunities for networking and the informal exchange of ideas. In particular a wine tasting alternated with a lecture about the preservation planning for digital objects (and wine!) raised the enthusiasm of the audience.

**Table 8: nestor/DPE Spring School 2009 'Digital Preservation: From Concept to Realisation'**

<b>Course title:</b> nestor/DPE Spring School 2009 'Digital Preservation: From Concept to Realisation'	
<b>Locations and dates:</b> BDB-Musikakademie in Staufeu/Breisgau (Germany), 15 – 20 March 2009	<b>Duration:</b> 5 days
<b>Number of attendees:</b> 30 students and 9 trainers	
<b>Lead Partner/project:</b> Goettingen State and University Library / nestor	<b>Participating partner:</b> DPE
<b>Sessions delivered:</b>	
<ul style="list-style-type: none"> <li>- Introduction to digital preservation</li> <li>- Life-cycle of records</li> <li>- How to set up a digital archive – experiences from the Federal Archives of Germany</li> <li>- Comparison of preservation systems – Concepts and Implementations</li> <li>- Preservation Planning</li> <li>- Long term availability of scientific data</li> <li>- Preservation of scientific data at the Helmholtz Association</li> <li>- Introduction to the nestor Ingest Guidelines</li> </ul>	
<b>Teaching methods:</b>	
Mixture of lectures, practical activities and discussions	

**Trainers:**

- Prof. Dr. Achim Oßwald, Professor at Cologne University of Applied Sciences
- Stefan Strathmann, Research & Development, Goettingen State and University Library (SUB)
- Prof. Regine Scheffel, Professor at Leipzig University of Applied Sciences
- Prof. Dr. Niklaus Stettler, Professor at Chur University of Applied Sciences
- Karsten Huth, Federal Archives, Germany
- Jens Ludwig, Research & Development, Goettingen State and University Library (SUB)
- Dr. Heike Neuroth, Head of Research & Development, Goettingen State and University Library (SUB)
- Dr. Jens Klump, Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences
- Prof. Dr. Andreas Rauber, Professor at the Vienna University of Technology

#### 4.9 DPE/Planets/CASPAR/nestor joint training event ‘The Preservation challenge: basic concepts and practical applications’

The joint DPE/Planets/CASPAR/nestor training event ‘The Preservation challenge: basic concepts and practical applications’ was held in the University of Barcelona, Spain, on 23-27 March 2009 in cooperation with the international ‘WePreserve’ Forum, providing participants an insight into cutting-edge research and development activity from a number of European Commission funded projects and with further networking opportunities to meet other researchers, international experts and practitioners across disciplinary and national boundaries.

The event was targeted at practitioners and researchers from the archives, libraries and museums sector, as well as other institutions such as data archives, government departments, legal and commercial sectors with an interest in the topic. The aim of this training event was to assist participants in understanding of the key digital preservation issues and challenges and an appreciation of the range of roles and responsibilities involved with digital preservation activities.

The event followed the structure of individual sessions, with each covering a specific aspect of digital preservation. Sessions consisted of introductory lectures, followed by group work, presentation of results and discussion. The different professional backgrounds and experiences of participants allowed for interesting debates and provided the possibility to share experience or raise specific issues. In addition to the face to face sessions participants were also provided with one week pre-course and one week post-course online training through the WePreserve Moodle. This allowed for the development of knowledge and skills beyond the issues covered during the event.

In addition participants were provided with a welcome reception the evening before the course began, a social event and dinner to encourage more informal networking opportunities.

**Table 9: DPE/Planets/CASPAR/nestor joint training event ‘The Preservation challenge: basic concepts and practical applications’**

<b>Course title:</b> DPE/Planets/CASPAR/nestor joint training event ‘The Preservation challenge: basic concepts and practical applications’	
<b>Locations and dates:</b> - University of Barcelona, Barcelona, Spain (23-27 March 2009)	<b>Duration:</b> - 5 days face to face sessions - one week pre-course and one week post-course online training
<b>Number of attendees:</b> 33 students and 12 trainers	
<b>Lead Partner/project:</b> Digital Preservation Europe (DPE)	<b>Participating partners:</b> Preservation and Long term Access through Networked Services (PLANETS); Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval (CASPAR);

Network of Expertise in Long-Term Storage of Digital resources (nestor)
<p><b>Sessions delivered:</b></p> <ul style="list-style-type: none"> <li>- Introduction in digital preservation</li> <li>- OAIS: a Reference Model for Preservation</li> <li>- Knowledge Service for Preservation</li> <li>- A conceptual model for Authenticity</li> <li>- An Infrastructure for Preservation</li> <li>- A case study on Intellectual Property Rights</li> <li>- File Formats, Significant Properties</li> <li>- A Testbed for Preservation planning</li> <li>- Trusted Repositories</li> <li>- Planning for trusted repositories with PLATTER,</li> <li>- Preservation Metadata</li> <li>- Preservation planning with PLATO</li> <li>- Digital Preservation Process: Preparation and Requirements,</li> <li>- Self audit and self-certification principles using DRAMBORA toolkit</li> </ul>
<p><b>Teaching methods:</b></p> <p>Mixture of lectures and practical activities plus online course</p>
<p><b>Trainers:</b></p> <ul style="list-style-type: none"> <li>• Hans Hofman, National Archives of the Netherlands, Planets &amp; DPE</li> <li>• Carlo Meghini, Institute for Science and Technology in Informatics, of the Italian National Research Council &amp; CASPAR</li> <li>• Manfred Thaller, University of Cologne &amp; Planets</li> <li>• Max Kaiser, Austrian National Library, Planets</li> <li>• Christian Keitel, the Landesarchiv Baden-Württemberg &amp; nestor</li> <li>• Angela Dappert, British Library &amp; Planets</li> <li>• Seamus Ross, University of Toronto &amp; DPE</li> <li>• Asger Blekinge-Rasmussen, State and University Library of Denmark (SB), DPE</li> <li>• Hannes Kulovits, Vienna University of Technology, Planets</li> <li>• Claudio Prandoni, MetaWare SpA, CASPAR</li> <li>• Marlis Valentini, MetaWare SpA, CASPAR</li> <li>• Brian Aitken, HATII at the University of Glasgow, Planets</li> </ul>

#### 4.10 Statistics of the nestor/DPE training events

A Comparison of the different types of events - nestor/DPE Schools, DELOS Summer Schools and DPE/Planets/CASPAR/nestor joint training events – shows that each type was able to attract a broad variety of participants, measured in terms of geographical distribution and field of work. Nevertheless, each series of events was able to develop its own profile. Overall the eleven training events attracted 342 participants.

The two DELOS Summer Schools in 2007 and 2008 attracted 82 attendants. With lectures being held in English, the schools were able to attract participants from 23 mostly European countries, but including also non-European countries as Canada, Columbia, India, USA and Vietnam. Job titles of the participants show all kind of fields dealing with digital preservation, from software developers to collection managers. The majority, however, could be found in the academic sector, which comes as no surprise with about one third of participants being students.

The three joined training events also attracted 82 participants. These events took place in different parts of Europe (Baltic, Eastern Europe, Southern Europe), setting a more regional focus, with a high rate of national attendees. Nevertheless they were able to attract many participants from other parts of Europe and even overseas (Australia, Singapore). Attendants were more likely to work for Libraries

(around forty percent of the participants) or the commercial sector (16 percent) as opposed to the DELOS schools.

Overall 178 persons participated in the four nestor/DPE training Schools. Courses held in the German language naturally drew participants from a lesser variety of countries than the other training events held in English language. Therefore, attendants came from the German-speaking countries (Austria, Germany and Switzerland) except for one participant from France. Due to the fact that all of the nestor/DPE Schools were located in Germany it is no surprise that an overwhelming majority of 84 percent of the participants were Germans. A respectable minority of 12 percent of the participants came from Switzerland and nearly 3 percent from Austria.

Similar to the DELOS Schools, the events were highly attractive for students. This is proven by the fact that they account for nearly one third of all participants.

More than one half of the participants consisted of employees working in fields related to digital preservation, mainly employed by libraries (23 percent of the overall attendants). Archives, museums and other public authorities mainly employ the rest. Only a very small minority of around 6 percent came from commercial companies.

## 5. Training Evaluation and Impact Assessment

### 5.1. Evaluation methodology

An evaluation process has been developed to enable the gathering of both short-term and long-term data so that we can assess the impact of our training programmes over the life of the project. The evaluation procedure consists of two stages:

(1) Distribution of feedback forms (see Annexes J, K, L, M) captured the immediate impression of the course's overall success or failure from both the trainers and participants' perspectives. The evaluation form was designed to determine the effectiveness of the following:

- organisation of event;
- structure of event;
- content of event;
- speakers;
- learning and teaching methodologies;
- supporting material and documentation (including online training);
- communication channels and promotion of event.

The feedback form used for DPE/Planets/nestor training events has been adapted from those developed for use by the ERPANET project. The same form is also currently being used by the Digital Curation Centre (DCC) in the UK. Therefore the opportunity exists to compare results across projects and over time to enable us to maximise our efforts and experiences in the provision of digital preservation training.

(2) Follow-up communication with selected participants using a detailed questionnaire (see Annex N) 3-4 months after the training event. The evaluation form focuses on the participants' overall satisfaction with the content and delivery of the training. The follow-up survey focuses on how participants have applied any of the knowledge they acquired during the course in their everyday work and how this has benefited their institutions. The questionnaire also attempts to identify any additional training needs that participants might have.

### 5.2 Feedback summaries

Based on the analysis of returned evaluation forms and questionnaires, we produce periodic summaries and reports outlining the impact of our training programmes to date and identifying areas where improvement is needed and if any additional training courses should be developed to better meet participants' needs. A selection of event summaries and reports have been included below.

#### 5.2.1. nestor/DPE Spring School 2007 feedback summary

The first nestor/DPE school was a highly successful event with over ninety-three percent of attendees rating all aspects of the course covered in the questionnaire as good or very good. Participants represented the range of sectors evenly with seventy-five percent having never attended a DPE, Planets or nestor training event before, underlining the successful reach and impact of the advertising strategy.

The combination of lectures and practical exercises proved to be very appealing and the divergent professional backgrounds of the participants enriched discussions with practical examples and differing points of view. The choice of speakers as well as topics covered was highly praised as was the organisation committee leading to the conclusion that this course has provided a strong base on which further training events can be built.

Word of mouth has proven to be the most effective means of attracting participants, but the impact of other methods such as the DPE, nestor and WePreserve website and newsletters should not be

underestimated. Announcing events through the various professional mailing lists should be used as a matter of course.

Based on the feedback received minor improvements, such as using fewer slides in the presentations given and avoiding too many abbreviations, could be made to enhance future training events. In addition to this feedback showed that participants would have liked more practical examples and exercises. These requests were incorporated into the following training events.

### **5.2.2 DPE/DELOS Summer School 2007 feedback summary**

Feedback from participants indicated that the 2007 DELOS Summer School was a resounding success fostering a more complete understanding of challenges and opportunities presented by the topic of digital preservation. More importantly, by bringing together a group of young researchers and students from different backgrounds with leading experts and practitioners in the field the DELOS Summer School has fostered an understanding amongst its participants of the value and importance of cooperation and the sharing of knowledge across institutional, national and sectoral boundaries to meet these challenges.

### **5.2.3 DPE/Planets/nestor training event feedback summary**

This event was held in Vilnius from 1-5 October, 2007. The aim of the event was to introduce the principles of digital preservation and to explain the key challenges in this area. Nineteen forms out of a possible twenty-one were returned achieving a response rate of 90.5%.

Both the organisation and structure of the event was rated highly by participants who found the mix of lectures and exercises and the balance between general themes and practical Planets tools and methodologies to be extremely effective. The arrangement of the sessions, beginning with more general aspects of digital preservation towards more specific techniques through the Planets project, allowed participants to build their knowledge as the course progressed and worked extremely well.

Feedback indicated that the file formats and preservation planning sessions were particularly popular and would equip participants with new skills and knowledge to take back to their institutions. Areas identified for possible improvements tended to relate to the refinement of existing sessions and teaching methods rather than the inclusion of additional topics which were not covered in the course.

The speakers and teaching methods were highly praised. The majority of the participants cited the practical exercises as being the highlight of the event, demonstrating the effectiveness of enhancing the knowledge provided through theoretical overviews with practical examples and hands-on activities. Some participants indicated that the course format could benefit from increased pre-course discussion between speakers to establish shared scenarios and to ensure that the level and nature of the exercises more closely reflect the specific audience of a particular event.

Background and supporting documentation was essential for this event, and nearly all participants found the materials to be useful. Improvements to the online aspect of the training course were also identified. Participants commented that three days' pre-course access to the DPE and Planets Moodle left them little time to study the materials provided and to complete all of the exercises. Further suggestions included automating the assessment of the self-contained quiz and lesson facilities in Moodle.

To address these issues we have identified that greater involvement and input from speakers at an early stage of the course development is required. In addition further integration of the expertise of project partners concerning specific training topics should be more effectively exploited when producing online training materials. Clearer instructions from organisers on what is required from the online materials would also be useful for the speakers preparing activities. To this end, we have produced more explicit instructions and guidance for speakers in our trainer information packs.

The full feedback document is available at [http://www.wepreserve.eu/events/dpe-planets-vilnius-2007/docs/Vilnius\\_feedback\\_summary.pdf](http://www.wepreserve.eu/events/dpe-planets-vilnius-2007/docs/Vilnius_feedback_summary.pdf).

#### **5.2.4 nestor/DPE Winter School 2007 feedback summary**

The nestor/DPE Winter School 2007 focussed on the practical applications of digital long term preservation. The success of the nestor/DPE Spring School and the general appeal of the underlying concept has proven itself, with around half of the participants in the Winter School having attended the previously event.

The choice of speakers and topics were highly praised by participants. Despite the introductory lectures having been seen as repetitive by a minority of the participants who had participated in a previous school, in general both lectures were highly rated. The presentation of archival systems which are already in use garnered much praise, emphasizing the appeal of maintaining a connection between course content and practical experience and underlining the advantages of combining introductory lectures and the presentation of a practical implementation. The panel discussion of nestor and its university partners did not receive the expected level of interest. For the next School, this type of discussion should probably be held as an optional event after the official program.

Participants were especially thankful for the organisers' ability to deal with the unexpected railway strike threatening their homeward journey. This event highlighted an issue with the location of the course: although the Harz region of Germany is very appealing, it is difficult to reach from the south of Germany, Austria and Switzerland. This issue was addressed by the next nestor/DPE school, which was held in Southern Germany.

The Winter School, as a follow-up event, raised an important issue. The amount of knowledge that participants bring with them is already broad and will broaden even further, as participants progress through our training events. It seems desirable therefore to divide the next DPE/nestor school into two parts, an introduction into digital long-term preservation followed by a more specialist topic, to avoid any unnecessary repetition of information.

#### **5.2.5 nestor/DPE Summer School 2008 feedback summary**

The nestor/DPE Summer School 2008 was a great success. As the analysis of the evaluation sheets shows, the participants were once again fully satisfied with the successful programme, the organisation of the event and the well-equipped venue in the picturesque Breisgau.

All sessions gathered high marks for the selection of topic, presenter and presentation. Especially the session dealing with digital objects and their properties was exceptionally highly rated. But all other sessions got outstanding fine ratings, too.

The practical activities and the work in the small working groups were seen as the most attractive part of the training by some of the attendees. It is essential for the success of the training events, that the participants get sufficient room for practical exercises and discussions.

These lively discussions profited from the different backgrounds of the participants and their different experiences. The attendees could bring in their own questions and expertise, gained in their daily work and could discuss them with other practitioners, students and experts.

Different distribution channels, used to promote the event, were used in a well balanced way. The attendees first heard about the training via project websites, mailing lists, other events and personal recommendations in nearly equal proportions.

#### **5.2.5 DPE/DELOS Summer School 2008 feedback summary**

The overall feedback confirms that this training event was a great success. The organisation and structure were highly rated. Participants particularly appreciated the informal exchange of ideas and group discussions with other researchers, international experts, and practitioners. The course met all of the participants' expectations, providing them with useful knowledge to take back and utilise within their own institutions.

The speakers and teaching methods received high very praise. However participants expressed a wish for more real-life examples and would have appreciated more hands-on exercises involving

specific preservation and curation tools. These comments clearly demonstrate the value of providing hands-on exercises and indicate that more would be appreciated.

Another issue identified for refinement in future iterations of this course is the availability of background documentation, as participants indicated the lack of background information as being a drawback of the course. Access to the background documentation prior to participation would result in the students better understanding and mastering the teaching material presented during the course itself.

Finally, the fact that participants felt inspired to become more deeply involved in the field of digital preservation is evidence of the positive effect of the course - both in terms of the quality of training materials and the enjoyment of the event itself. By providing students with the possibility of meeting colleagues and exchanging information and experiences about digital preservation, we hope to have helped establish and develop a new community of future collaborators that will endure for years to come.

### **5.2.6 DPE/Planets/CASPAR/nestor joint training event 'Starting out: preserving digital objects – principles and practice' feedback summary**

The overall feedback confirmed that this training event was a great success. The organisation was highly rated, and the course met all participants' expectations, providing them with useful knowledge to take back to their own institutions. Participants particularly appreciated the informal exchange of ideas and group discussions with other researchers, international experts, and practitioners. The sessions also generated interest in current developments and solutions, including those from the DPE, Planets, CASPAR and nestor projects.

The structure and speakers received high praise as well. Though the lecture format could prove too intensive and tiresome at times. Participants expressed a desire for more practical examples and would have appreciated more hands-on exercises involving specific preservation tools and case studies. These comments clearly demonstrate the value of providing hands-on exercises to the learning experience of the attendees.

Another issue, requiring refinement in future iterations, would be ensuring earlier access to background documentation. Earlier access to recommended readings would result in the students better understanding and mastering the teaching material presented during the course itself.

By providing students with the opportunity of meeting colleagues and exchanging information and experiences of digital preservation, we hope to have helped establish and develop a new community of future collaborators that will endure for years to come.

### **5.2.7 DPE/Planets/CASPAR/nestor joint training event 'The Preservation challenge: basic concepts and practical applications' feedback summary**

Feedback confirms that this training event was successful. The teaching methods and organisation of the event was highly rated, and the course met all participants' expectations, providing them with useful knowledge to take back to their own institutions. Participants particularly appreciated the internationally established lecturers, who assisted them in understanding the main concepts of digital preservation and showed how to address those concepts in practice through a number of hands-on exercises. The particular sessions also generated interest in current developments and solutions, including those from the DPE, Planets, CASPAR and nestor projects.

Participants highlighted the value of informal exchange of ideas and group discussions with other researchers, international experts, and practitioners as well.

Participants expressed wishes for more practical examples and would appreciate more hands-on exercises involving specific preservation tools and case studies. These comments clearly demonstrate the value of providing hands-on exercises and indicate that more would be appreciated.

Another issue, which requires refinement in future iterations of this course, is background documentation. Printed handouts before each session would result in the students better understanding and mastering the teaching material presented during the course.

By providing students with the possibility of meeting colleagues and exchanging information and experiences about digital preservation, we hope to have helped establish and develop a new community of future collaborators that will endure for years to come.

### 5.3 Follow-up summaries

A follow-up questionnaire was distributed by email to the participants three to four months after the training events (see ANNEX N). The follow-up questionnaire aimed to determine if and how participants had applied the skills and knowledge acquired during the course to their everyday work and whether there has been any benefit to their institutions overall.

#### 5.3.1 DPE/Planets/nestor joint training event 'Principles of Digital Preservation: a hands-on approach' follow-up summary

Organisers received seventeen completed questionnaires from a possible twenty one of the Vilnius training event participants, achieving a response rate of over eighty percent. This high response rate alone indicates the continued engagement and interest of the training course participants in the activities of the three projects.

The first three questions focussed on whether the participants had continued their interest in digital preservation through involvement with digital preservation communities and initiatives following the course. Participants indicated that they had continued discussions that had arisen during the course through online discussion forums such as the DPE mailing list or by joining the DPE user community. Others indicated that they had since participated in other DP related conferences and/or attended further training courses.

The follow-up questionnaire also aimed to determine whether participants had used the knowledge and skills acquired during the training course within their institutions. We were delighted to learn that over half of the participants are now actively involved in digital preservation activities. The range of activities cited by the participants included:

- developing preservation guidance and planning documents;
- working towards the development of preservation strategies;
- working to define technical requirements and specifications;
- cascading their digital preservation knowledge to colleagues within their institution through informal talks and presentations.

Encouragingly, two of the participants have gone on to lead newly established departments and are now responsible for creation of digital preservation strategies in their institutions.

Several respondents cited the knowledge gained about the OAIS Reference Model, preservation metadata, and recommendations for technical specifications for their institution as being particularly beneficial for their day to day work. Others felt that the information provided on file formats, trusted repositories, digital preservation planning, the role and use of preservation metadata and policies provided them with greater confidence when dealing with different types of digital objects.

Eighty-two percent of respondents were interested in attending further training events and/or seminars relating to digital preservation over the next twelve months and there was unanimous agreement concerning the need for formal education development and training opportunities in Digital Preservation.

### 5.3.2 nestor/DPE Schools 2007 follow-up summary

The feedback form was distributed to all of the fifty attendees of the nestor/DPE Schools 2007 (Spring School 2007, Winter School 2007). The response to the questionnaire was relatively low with only twelve questionnaires returned. The main reason for this, as stated by one of the respondents, was that the questionnaire was not written in the respondents' native language (German).

More than half of the participants have been involved in the organisation of digital long-term preservation in their institutions, covering a broad range from establishing guidelines for the preservation of digital-born images to developing e-Learning applications as well as digitisation plans in general.

Metadata standards and the OAIS model were identified as the knowledge being used most actively, with some participants stating that the knowledge gained by the school has given them a higher sense of security when dealing with digital long-term preservation in general. Most respondents emphasised the debates about practical issues and existing tools as an essential part of any training.

Three quarters of the respondents are planning to attend further training events within the next twelve months. Nearly every respondent agreed that there is a need for formal training in this area.

### 5.3.3 nestor/DPE Summer School 2008 follow-up summary

The follow-up questionnaire was distributed to all participants of the nestor/DPE Summer School 2008 four months after the event. The projects received only nine responses to the follow-up questionnaire, probably due to the fact that the questionnaire was in English.

The nestor/DPE training events have proven to be highly successful creating a sustainable interest in issues related to digital preservation. One indicator is the high number of respondents using one or more of the community tools, especially the mailing-lists, provided by DPE and nestor.

Furthermore, two-thirds of the interviewees have expanded on those experiences by attending conferences related to digital preservation issues. Using their newly acquired skills in practice involves a broad range of topics, varying from the creation of policies and work groups in their institutions to actually migrating documents and working in research projects related to long-term preservation. Therefore it is not surprising that a majority of the respondents could put their knowledge of the OAIS model and preservation metadata standards to good use for their daily work. In particular, preservation planning and storage technologies were seen as most useful.

Given the imprint of digital preservation on their daily work it comes as no surprise that a majority of the respondents plan to undergo further events. Nor did any of them deny the necessity of formal training, with disagreement only on the level of specialisation.

### 5.3.4 DELOS Summer School 2008 follow-up summary

The follow-up form was distributed after eight months to 47 attendees of the DPE/DELOS summer school. The response rate could have been better; we received 20 completed questionnaires thus achieving a response rate of 43%.

The first three questions focussed on whether the participants had furthered their knowledge in any aspect of digital preservation through involvement with digital preservation communities and initiatives following the course. We were delighted to learn that half of the participants had continued discussions that had started during the course through the DELOS, DCC or/and DPE mailing lists or joining user communities. Almost half of the participants also indicated that they had since participated in other DP related conferences and/or attended further training courses (IPRES 2008, IS&T's Archiving 2008, ASIS&T 2009, Mid-Atlantic Regional Archives Conference (MARAC), Fourth Int'l Digital Curation Conference, workshop about audiovisual materials in Roma, ICA in Kuala Lumpur, DLM Forum in Toulouse, a lecture given by Perla Innocenti in the International Master in Digital Library Learning, nestor winter school, CASPAR seminar in Roma, Society of Archivists' Conference). One participant noted he had developed a tutorial on designing submission agreement forms, accepted for tutorials program for Archiving 2009, and upcoming "DigCCurr Professional Institute: Curation Practices for the

Digital Object Lifecycle,” to be held in Chapel Hill. One participant commented that although he found it a very important subject, he didn’t have the time yet to attend any other meetings of this sort, and the other said he didn’t attend because it was important for his colleagues to attend similar courses as well.

The questionnaire also aimed to determine whether participants have used the knowledge and skills acquired during the training course within their institutions. Almost half of the participants (42 %) indicated that they were currently involved in ongoing DP activities, some of them being very active. The range of activities indicated by the participants included:

- management of digital preservation department;
- involvement in development of digital repository program;
- creation of digital preservation policy documents;
- research on digital preservation in Planets;
- preservation of files and databases;
- digital preservation planning of photos, movies and audio recordings;
- using PLATO tool for preservation planning;

We were very delighted to learn that one participant was involved in investigation of graduate-level digital curation curriculum framework, ancillary course modules and became instructor in graduate-level digital preservation and access course, including several readings from Summer School on course syllabus and one organized DP awareness training for staff, using principles of Planets preservation planning approach.

As more than half of participants of this training event were students, they had no opportunity to pursue preservation issues in a work setting yet, however some of them used knowledge gained during the school for further discussions in the classrooms. One participant commented that during the next year he planned to start work on digital preservation policy document together with colleagues in charge of the information technology services.

More than half of respondents indicated knowledge gained about the preservation metadata as being particularly beneficial for their day to day work. In this connection several mentioned DRAMBORA and the Planets preservation planning tool PLATO. Others felt that the information provided on theoretical and practical problems digital libraries are facing, knowledge about the projects and possible solutions that academic communities in Europe are trying to find, as well as knowledge regarding OAIS model, file formats and practices related to storing and accessing information provided them with greater confidence when dealing with different types of digital objects. One participant commented that the most important thing was to get an overview which allowed to take strategical decisions in the field of digital curation and to follow the more technical discussions with colleagues.

The majority (70 %) of participants noted that they would be interested in attending further training events and/or seminars relating to digital preservation over the next 12 months.

All participants agreed unanimously that there is a need for formal education development and training opportunities in Digital Preservation. The majority indicated that it is important to offer trainings of different levels, starting from introductory courses and DP basics, because many people still do not have any knowledge, then moving to advanced level courses, focused on particular tools or technical issues. One participant commented, that course should keep it’s interdisciplinary approach, that it is very important to involve people from other disciplines and not only from computer science, libraries or archives. Several participants noted that digital preservation should become a part of formal education curriculum in colleges and universities for bachelors and masters, with distance learning as an option as well as possibilities of continuing education training.

### **5.3.5 DPE/Planets/CASPAR/nesstor joint training event ‘Starting out: preserving digital objects – principles and practice’ follow-up summary**

Organisers received only twelve completed questionnaires out of a possible twenty seven from the participants of the Prague training event achieving a response rate of 44 %. This rate is quite low given the fact that only four months had passed since the event took place.

The first three questions focussed on whether the participants had furthered their knowledge in any aspect of digital preservation through involvement with digital preservation communities and initiatives following the course. We were delighted to learn that half of the participants had continued discussions that had arisen during the course by joining the DPE or Planets user communities, through DPE mailing lists or online discussion forums. Almost half of the participants also indicated that they had since participated in other DP related conferences and/or attended further training courses (DRAMBORA Auditors Training in London, WePreserve conference in Nice, TEI Members' Meeting in London, The TextGrid Summit in Goettingen) or will be attending such events in close future.

The questionnaire also aimed to determine whether participants have used the knowledge and skills acquired during the training course within their institutions. More than half of the participants indicated that they were currently involved in ongoing DP activities. The range of activities indicated by the participants included:

- involvement in designing an institutional digital archive;
- involvement in a team, which prepares big project targeted do the creation of new digitalization workplace and digital preservation system;
- involvement in National Digital Library development;
- working with the DANS data seal of approval and fixing the preferred formats;
- working to define technical requirements and specifications;
- using PLATO tool for preservation planning.

One of the participants had started to lead a digital preservation project and he even visited Prof. Manfred Thaller in Germany, in order to discuss how this project and PLANETS could benefit from working together. Another participant initiated a project to perform a risk assessment of his organization audiovisual archives and define long term policies.

Several respondents indicated knowledge gained about the DRAMBORA self-audit toolkit, preservation metadata standards, and the Planets preservation planning tool PLATO as being particularly beneficial for their day to day work. Others felt that information provided on general DP concepts and methodologies, running projects, trustworthy repositories, file formats and OAIS model provided them with greater confidence when dealing with different types of digital objects.

The majority of participants (83 %) noted that they would be interested in attending further training events and/or seminars relating to digital preservation over the next 12 months.

Almost all participants (11 out of 12) agreed that there is a need for formal education development and training opportunities in Digital Preservation, but with quite diverse opinions about what level of formal training should be given. One participant expressed his doubts whether the discipline-independent part of digital preservation science is strong enough to justify a separate training talking about digital preservation of research data, but he was sure that such a general course for cultural heritage data is very worthwhile. One participant commented that DP should become an independent profession and thus special curriculum would be helpful for the future preservation specialists, two others noted that best training would be to practice actually doing some preservation and that there is a need for hands on training within memory institutions to build awareness (among managers and planners) and to teach the skills to archivists and curators. One participant commented that it is important to offer variety of courses, starting with introductory courses providing more general information, that give an opportunity to discuss DP issues with people from range of institutional backgrounds, disciplines and countries, as well as specialized courses for people with technical background or interested in particular topic, like metadata, digital rights management for long-term preservation, formats issues and some others.

## 6. Conclusions and Recommendations

The joint DPE training events have been highly successful. All events were well organised, followed a suitable structure, and provided effective teaching methods for participants, particularly with the use of hands-on exercises. The attendants were evenly distributed among the different sectors concerned with long-term digital preservation, thus enhancing group work, discussions and presentations with different ideas and experiences.

While areas such as presentation slides and access to supporting materials, both printed and online, could be improved from event to event they were always found to have been more than sufficient for the trainings. The division of tasks and the documentation of the review process could be improved during the running period of the project. E.g. by the production of revised organiser and trainer packs. Training courses to date have helped to set a benchmark that might help to progress the quality of training events offered by other initiatives and has provided a valuable model for future collaborative events.

Given the range and number of activities reportedly being undertaken in the digital preservation field by attendees since their participation in training events, we are confident that the skills and knowledge gained through our training courses have made a positive impact on their working practices. The majority of participants are successfully using acquired knowledge and skills in their everyday work, covering a broad range of activities from establishing guidelines for the preservation of born digital images to developing e-Learning applications as well as digitisation plans in general. Importantly with participants reporting the cascading of knowledge and skills gained within their institutions the impact and reach of the courses delivered to date can be seen to be far wider than merely the individual participants.

The follow-up questionnaire indicates that digital preservation is still a relatively new field for many institutions, especially in Eastern and Central Europe. However, there is growing awareness and interest in digital preservation issues and accordingly, access to training programmes will be increasingly vital to the European workforce in a range of domains.

## Annex A: Agenda DPE / nestor Spring School, 11-15 March 2007

### DPE/nestor Spring School 'Einführung in die digitale Langzeitarchivierung' 11-15 March 2007 Gernrode / Harz

Sonntag, 11. März 2007	
ab 12:00	Anreise nach Gernrode
19:00	Abendessen

Montag, 12. März 2007	
8:30	Frühstück
10:00 – 10:30	Registrierung
10:30 – 11:30	<b>Willkommen &amp; Einführung in die nestor Training School (Organisatorisches, nestor Zertifikat, Aufteilung in wechselnden Gruppen mit Moderator und Berichtersteller, Vorstellung der Teilnehmer ...)</b> <i>Dr. Heike Neuroth und Prof. Dr. Achim Oßwald</i>
11:30 – 13:00	<b>Einführung in die digitale Langzeitarchivierung</b> <i>Prof. Dr. Achim Oßwald</i>
13:00 – 14:00	Mittagessen
14:00 – 15:30	<b>Lektion I: Metadaten: Was? Warum? Wie?</b> <i>Dr. Heike Neuroth</i>
15:30 – 16:15	<b>Übung I: Welche Metadaten sind für die digitale Langzeitarchivierung wichtig? Nennen Sie ca. 20 Metadaten-Elemente (deskriptive, technische, administrative etc.)</b>
16:15 – 16:45	Kaffeepause
16:45 – 17:30	<b>Präsentation der Ergebnisse aus Übung I</b> (ca. 5 Minuten pro Arbeitsgruppe)
17:30 – 18:00	Diskussion & Zusammenfassung
ab 18:00	Abendessen

Dienstag, 13. März 2007	
8:00	Frühstück
9:00 – 10:30	<b>Lektion II: Format als wichtiges Metadatenelement (Significant Properties, File Format Registries, Tools ...)</b> <i>Jens Ludwig</i>
10:30 – 11:15	<b>Übung II: Stellen Sie sich verschiedene digitale Dokumente vor, wie sie im Büroalltag vorkommen. Was sind die "significant properties", die für die Langzeitarchivierung der Dokumente bewahrt werden müssen, und welche für Formate/Dateien spezifischen Metadaten würden Sie erheben?</b>
11:15 – 11:45	Kaffeepause
11:45 – 12:30	<b>Präsentation der Ergebnisse aus Übung II</b> (ca. 5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	Diskussion & Zusammenfassung
13:00 – 16:00	Gemeinsame Veranstaltung (Wanderung, Fahrt mit der Harzer Schmalspurbahn oder ähnliches)
16:00 – 16:15	Kaffeepause
16:15 – 17:45	<b>Lektion III: OAIS als Modell im Rahmen der digitalen Langzeitarchivierung (Abstract)</b>

	<i>Karsten Huth</i>
17:45 – 18:30	<b>Übung III: Bitte erstellen Sie aus einer vorgegebenen Materialsammlung die Skizze zu einem AIP. Identifizieren Sie zunächst die Content Information und ordnen Sie das übrige Material den den anderen OAIS Informationsklassen zu. Nutzen Sie Ihr Wissen aus Lektion I und Lektion II um eine technische Umsetzung des AIPs zu skizzieren.</b>
18:30 – 19:15	<b>Präsentation der Ergebnisse aus Übung III</b> (ca. 5 Minuten pro Arbeitsgruppe)
19:15 – 19:45	<b>Diskussion &amp; Zusammenfassung</b>
ab 19:45	Abendessen

Mittwoch, 14. März 2007	
8:00	Frühstück
9:00 – 10:30	<b>Lektion IV: Kriterien für die Auswahl bewahrungswürdiger digitaler Objekte</b> <i>Prof. Regine Scheffel</i>
10:30 – 11:15	<b>Übung IV: Bewahrungswürdig? Digitale Objekte? Langzeitarchivierung? Welche Aspekte spielen eine Rolle? Wo kann man Anregungen erhalten? Arbeiten Sie anhand unterschiedlicher Materialien und Quellen Kriterien bewahrungswürdiger Objekte heraus und versuchen Sie Beispiele zu bewerten.</b>
11:15 – 11:45	Kaffeepause
11:45 – 12:30	<b>Präsentation der Ergebnisse aus Übung IV</b> (ca. 5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	Diskussion & Zusammenfassung
13:00 – 14:00	Mittagessen
14:00 – 15:00	<b>Vortrag: Rahmenbedingungen für die digitale Langzeitarchivierung – Preservation Policy</b> <i>Stefan Strathmann</i>
15:00 – 16:00	Führung in der St. Cyriakus Stiftskirche von Gernrode
16:00 – 16:30	Kaffeepause
16:30 – 18:00	<b>Eine Zwischenbilanz: Fragen und Diskussion</b> Moderation: <i>Heike Neuroth</i>
ab 18:00	Abendessen
ab 20:00	Bacchus lädt ein ?:-)

Donnerstag, 15. März 2007	
8:00	Frühstück
9:00 – 10:30	<b>Lektion V: Vertrauenswürdige Archive</b> <i>Stefan Strathmann</i>
10:30 – 11:15	<b>Übung V: Was macht für Sie ein vertrauenswürdige Langzeit-Archiv aus? Welche Kriterien sind wichtig? Welche digitalen Objekte aus Ihrem beruflichen oder privaten Leben sind wichtig, sollten langfristig archiviert werden? Wie liegen diese Objekte vor?</b>
11:15 – 11:45	Kaffeepause
11:45 – 12:30	<b>Präsentation der Ergebnisse aus Übung V</b> (ca. 5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	Diskussion & Zusammenfassung mit Abschlussdiskussion
13:00 – 14:00	Mittagessen
ab 14:00	Abreise

## Annex B: Agenda DELOS Summer School 2007, 3-8 June 2007

**DELOS summer school 2007**  
**3-8 June 2007**  
**Santa Croce in Fossabanda**  
**Pisa, Italy**

Monday, 4 June 2007	
09:00 – 12:45	<b>Lecture and Exercise I: Introduction to Digital Preservation &amp; Preservation Challenges</b> <i>Seamus Ross</i>
12:45 – 14:00	Lunch
14:00 – 17:30	<b>Lecture and Exercise II: Metadata Approaches for Digital Preservation</b> <i>Michael Day</i>

Tuesday, 5 June 2007	
09:00 – 12:45	<b>Lecture and Exercise III: Registries and File Format</b> <i>Manfred Thaller</i>
12:45 – 14:00	Lunch
14:00 – 17:30	<b>Lecture and Exercise IV: A Systematic Approach to Preserving Authenticity</b> <i>Ken Thibodeau</i>

Wednesday, 6 June 2007	
09:00 – 12:45	<b>Lecture and Exercise V: Identifying, Evaluating and Selecting Preservation Methods</b> <i>Andreas Rauber &amp; Hans Hoffman</i>
12:45 – 14:00	Lunch
14:00 – 17:30	<b>Afternoon Tour to Lucca</b>

Thursday, 7 June 2007	
09:00 – 12:45	<b>Lecture VI: Appraisal and Selection</b> <i>Maria Guercio</i>
12:45 – 14:00	Lunch
15:45 – 17:45	<b>Lecture and exercise VII: Repository Models: From Experimentation to Services</b> <i>Peter Rödíg &amp; Stefan Strathmann</i>

Friday, 8 June 2007	
09:00 – 12:45	<b>Lecture and Exercise VIII: Mechanisms for Assessing Preservation Service Performance</b> <i>Perla Innocenti</i>
12:45 – 14:00	Lunch

## Annex C: Agenda DPE/Planets/nestor training event, 1-5 October 2007

**DPE/Planets/nestor training event 'Principles of Digital Preservation: a hands-on approach'**  
**1-5 October 2007**  
**Martynas Mazvydas National Library of Lithuania**  
**Vilnius University**

Monday, 1 October 2007	
9:00 – 9:30	Registration
9:30 – 10:00	Welcome
10:00 – 11:00	<b>Lecture I: Introduction in Digital Preservation</b> <i>Stefan Strathmann</i>
11:00 – 11:30	Coffee break
11:30 – 12:30	<b>Exercise I: Introduction in Digital Preservation</b>
12:30 – 13:15	Presentation of results + discussion of Exercise I
13:15 – 14.30	Lunch
14:30 – 15:30	<b>Lecture II: OAIS Reference Model</b> <i>Michael Day</i>
15:30 – 15:45	Coffee break
15:45 – 16:45	<b>Exercise II: OAIS Reference Model</b>
16:45 – 17:30	Presentation of results + discussion of Exercise II

Tuesday, 2 October 2007	
9:00 – 10.30	<b>Lecture III: Preservation metadata</b> <i>Michael Day</i>
10:30 – 11:00	Coffee break
11:00 – 12:00	<b>Exercise III: Preservation metadata</b>
12:00 – 12:45	Presentation of results + discussion of Exercise III
12:45 – 14:00	Lunch
14:00 – 15:30	<b>Lecture IV: File Formats and significant properties</b> <i>Prof. Dr. Manfred Thaller</i>
15:30 – 15:45	Coffee break
15:45 – 16:45	<b>Exercise IV: File Formats and significant properties</b>
16:45 – 17:30	Presentation of results + discussion of Exercise IV
18.00 - 22.00	Social Event <i>Dinner + Night excursion 'Vilnius Legends – Ghost trip'</i>

Wednesday, 3 October 2007	
9:00 – 9:45	<b>Lecture V: Trusted repositories</b> <i>Stefan Strathmann</i>
9:45 – 10:00	Discussion
10:00 – 10:30	<b>Exercise V: Trusted repositories</b>
10:30 – 11:00	Coffee break

11:00 – 11:30	<b>Exercise V: Trusted repositories</b>
11:30 – 12:15	Presentation of results + discussion of Exercise V
12:45 – 14:00	Lunch
14:00 – 15:30	<b>Lecture VI: The Preservation Planning Process and Planets</b> <i>Hans Hofman, Christoph Becker</i>
15:30 – 15:45	Coffee break
15:45 – 16:45	<b>Exercise VI: The Preservation Planning Process and Planets</b>
16:45 – 17:30	Presentation of results + discussion of Exercise VI

Thursday, 4 October 2007	
8:30 – 10.30	<b>Lecture and Exercise VII: Identifying essential characteristics of digital objects: the Planets approach</b> <i>Hans Hofman, Christoph Becker</i>
10:30 – 10:45	Coffee break
10:45 – 12:10	<b>Exercise VII (cont.): Identifying essential characteristics of digital objects: the Planets approach</b> <i>Presentation of results and discussion</i>
12:10 – 12:30	Feedback Dissemination of certificates
12:30 – 13:30	Lunch
13:50 – 17:40	<b>Conference:</b> 'Communication of memory in archives, museums and libraries: the interaction of science, policy and practice'

## Annex D: Agenda DPE/nestor Winter School, 11-15 November 2007

### DPE/nestor Winter School 'Praktische Anwendungsfelder der digitalen Langzeitarchivierung' 11-15 November 2007 Gernrode / Harz

Sonntag, 11. November 2007	
ab 12:00	Anreise nach Gernrode
19:00	Gemeinsames Abendessen

Montag, 12. November 2007	
8:30	Frühstück
10:00 – 10:30	Registrierung
10:30 – 11:00	<b>Willkommen &amp; Einführung in die nestor Training School</b> (Organisatorisches, nestor Zertifikat, Aufteilung in wechselnden Gruppen mit Moderator und Berichterstatter, Vorstellung der Teilnehmer ...) <i>Dr. Heike Neuroth</i>
11:00 – 11:45	<b>Einführung in die digitale Langzeitarchivierung</b> <i>Prof. Dr. Achim Oßwald</i>
11:45 – 13:00	<b>Einführung in die praktische digitale Langzeitarchivierung - Teil I</b> <i>Dr. Frank M. Bischoff</i>
13:00 – 14:00	Mittagessen
14:00 – 15:30	<b>Einführung in die praktische digitale Langzeitarchivierung und Kriterien für Archivsysteme Teil II</b> <i>Dr. Frank M. Bischoff und Stefan Strathmann</i>
15:30 – 16:15	<b>Übung: Kriterien für Archivsysteme</b>
16:15 – 16:45	Kaffeepause
16:45 – 18:00	<b>Präsentation der Ergebnisse aus der Übung</b>
18:00 – 18:30	<b>Diskussion &amp; Zusammenfassung</b>
ab 18:00	Abendessen

Dienstag, 13. November 2007	
8:00	Frühstück
9:00 – 9:45	<b>Vorstellung bestehender Archiv-Systeme – kopal</b> <i>Jens Ludwig</i>
9:45 – 10:30	<b>Vorstellung bestehender Archiv-Systeme – Bundesarchiv</b> <i>Karsten Huth</i>
10:30 – 11:15	<b>Vorstellung bestehender Archiv-Systeme – PORTICO/LOCKSS</b> <i>Prof. Dr. Achim Oßwald</i>
11:15 – 11:45	Kaffeepause
11:45 – 13:00	<b>Übung: Anwendung der entwickelten Kriterien auf die vorgestellten Systeme</b>
13:00 – 16:00	Gemeinsame Veranstaltung (Spaziergang um Gernrode)
16:00 – 16:30	Kaffeepause
16:30 – 18:00	<b>Präsentation der Ergebnisse aus der Übung</b>

18:00 – 18:30	<b>Diskussion &amp; Zusammenfassung</b>
18:30	Abendessen
ca. 19:30 – 21:00	<b>Praktische Probleme der Langzeitdatensicherheit/-archivierung im Landesamt für Denkmalpflege und Archäologie (LDA)</b> <i>Gert Klein</i>

Mittwoch, 14. November 2007	
8:00	Frühstück
9:00 – 10:00	<b>Konzepte und Herausforderungen der Webarchivierung</b> <i>Prof. Dr. Andreas Rauber</i>
10:00 – 11:00	<b>Webarchivierung am Beispiel des Deutschen Bundestages</b> <i>Angela Ullmann</i>
11:00 – 11:30	Kaffeepause
11:30 – 12:15	<b>Übung zur Webarchivierung</b>
12:15 – 13:00	<b>Präsentation der Ergebnisse und Diskussion</b>
13:00 – 14:00	Mittagessen
14:00 – 15:30	<b>nestor-Konzept zur Aus-, Weiter- und Fortbildung (Qualifizierung) in Form eines Interviews mit verschiedenen Partnern:</b> Interviewführung: <i>Prof. Regine Scheffel</i> * Hochschulen ( <i>Prof. Dr. Achim Oßwald (D), Prof. Dr. Niklaus Stettler (CH), Prof. Dr. Andreas Rauber (A)</i> ) * Projektleitung nestor ( <i>Dr. Mathias Jehn</i> ) * nestor Koordinator für die "Qualifizierung" ( <i>Dr. Heike Neuroth</i> )
15:30 – 16:30	Führung in der St. Cyriakus Stiftskirche von Gernrode
16:30 – 17:00	Kaffeepause
17:00 – 18:00	<b>Eine Zwischenbilanz: Fragen und Diskussion</b> Moderation: <i>Heike Neuroth</i>
ab 18:00	Abendessen
ab 20:00	Bacchus lädt ein :-)

Donnerstag, 15. November 2007	
8:00	Frühstück
9:00 – 10:30	<b>Preservation Planning im Rahmen von DELOS und PLANETS</b> <i>Prof. Dr. Andreas Rauber</i>
10:30 – 11:15	<b>Übung: Entwicklung eines Entscheidungsbaumes</b>
11:15 – 11:45	Kaffeepause
11:45 – 12:30	<b>Präsentation der Ergebnisse aus der Übung</b>
12:30 – 13:00	Diskussion & Zusammenfassung mit Abschlussdiskussion
13:00 – 14:00	Mittagessen
ab 14:00	Abreise

## Annex E: Agenda nestor/DPE Summer School, 16-20 June 2008

### nestor/DPE Summer School 'Einführung, Technologien und Strategien für die digitale Langzeitarchivierung' 16-20 June 2008 Staufen/Breisgau

#### Themenblock I: Einführung in die digitale Langzeitarchivierung

Montag, 16. Juni 2008	
ab 12:00	Registrierung und kleiner Snack
13:00 – 14:00	Teilnehmer stellen sich vor <b>Willkommen &amp; Einführung in die School</b> <i>Dr. Heike Neuroth</i>
14:00 – 15:30	<b>Lektion I: Langzeitarchivierung und Langzeitverfügbarkeit - eine Einführung</b> <i>Prof. Dr. Achim Oßwald und Prof. Regine Scheffel</i>
15:30 – 16:30	<b>Übung I</b>
16.30 – 17:00	Kaffeepause
17:00 – 18:00	<b>Präsentation der Übungsergebnisse I</b>
18:00 - 18:30	Diskussion und Zusammenfassung des Tages
ab 19:00	Abendessen

Dienstag, 17. Juni 2008	
ab 8:30	<i>Frühstück</i>
9:00 – 10:30	<b>Lektion II: Metadaten/Standards (Premis, METS, DC, ...)</b> <i>Dr. Heike Neuroth</i>
10:30 – 11:30	<b>Übung II</b>
11:30 – 12:00	Kaffeepause
12:00 – 13:00	<b>Präsentation der Übungsergebnisse II</b>
13:00 – 14:00	Mittagessen
14:00 – 15:30	<b>Lektion III: Digitale Objekte und ihre Eigenschaften</b> <i>Jens Ludwig</i>
15:30 – 16:30	<b>Übung III</b>
16:30 – 17:00	Kaffeepause
17:00 – 18:00	<b>Präsentation der Übungsergebnisse III</b>
18:00 – 18:30	Diskussion & Zusammenfassung des Tages
ab 19:00	Abendessen

Mittwoch, 18. Juni 2008	
ab 8:30	Frühstück
9:00 – 10:30	<b>Lektion IV: OAIS, Zertifizierung, Kriterien</b> <i>Prof. Dr. Niklaus Stettler</i>
10:30 – 11:30	<b>Übung IV</b>

11:30 – 12:00	Kaffeepause
12:00 – 13:00	<b>Präsentation der Übungsergebnisse IV</b>
13:00 – 14:00	<b>Abschluss &amp; Zertifikat</b>
14:00 – 15:00	Mittagessen
ab 16:00 Uhr	Gemeinsame Freizeitveranstaltung für Block I und Block II Teilnehmer (z.B. Wandern)
ab 19:00	Abendessen
ab 20:00	Bacchus lädt ein :-)

### Themenblock II: Speichertechnologien & LZA Strategien

Donnerstag, 19. Juni 2008	
ab 7:30	Frühstück
8:00 – 8:45	<b>Einführung in LZA (fakultativ)</b> <i>Stefan Strathmann</i>
8:45 – 9:00	Registrierung
9:00 – 10:30	<b>Lektion V: LZA Strategien (Emulation, Migration ..)</b> <i>Dr. Frank M. Bischoff und Karsten Huth</i>
10:30 – 11:30	<b>Übung V</b>
11:30 – 12:00	Kaffeepause
12:00 – 13:00	<b>Präsentation der Übungsergebnisse V</b>
13:00 – 14:00	Mittagessen
14:00 – 15:30	<b>Lektion VI: Speicher-Technologien</b> <i>Prof. Dr. Rolf Däßler</i>
15:30 – 16:30	<b>Übung VI</b>
16:30 – 17:00	Kaffeepause
17:00 – 18:00	<b>Präsentation der Übungsergebnisse VI</b>
18:00 – 18:30	Diskussion & Zusammenfassung des Tages
ab 19:00	Abendessen

Freitag, 20. Juni 2008	
ab 8:30	Frühstück
9:00 – 10:30	<b>Lektion VII: Preservation Planning, Zertifizierung, Significant Properties</b> <i>Prof. Dr. Andreas Rauber</i>
10:30 – 11:30	<b>Übung VII</b>
11:30 – 12:00	Kaffeepause
12:00 – 13:00	<b>Präsentation der Übungsergebnisse VII</b>
13:00 – 14:00	<b>Abschluss &amp; Zertifikat</b>
ab 14:00	Mittagessen
ab 15:00	Abreise

## Annex F: Agenda DELOS Summer School 2008, 08-14 June 2008

### DELOS Summer School 2008 08-14 June 2008 Tirrenia / Italy

Sunday, 8 June 2008	
18:30	<b>Overview of the Summer School and Introduction to the Lecturers</b>
19:30	Evening Reception

Monday, 9 June 2008	
9:00 – 12:45	<b>Introduction to Data Curation and Preservation Challenges</b> <i>Seamus Ross</i>
9:00 – 10:30	<b>Metadata Approaches for Digital Preservation</b> <i>Priscilla Caplan</i>

Tuesday, 10 June 2008	
9:00 - 12:45	<b>Approaches to Preservation and Curation</b> <i>Hans Hofman, National Archives of the Netherlands</i>
14:00 - 17:30	<b>Identifying, Evaluating and Selecting Preservation Methods</b> <i>Andi Rauber, Vienna University of Technology</i>

### TRAME Project and Feltrinelli Foundation Seminar on Preservation State of the Art, Chaired by Vilma Karvelyte (DigitalPreservationEurope and Faculty of Communication Vilnius University)

Wednesday, 11 June 2008	
8:00 – 8:10	'Welcome' <i>Chiara Daniele, FELTRINELLI Foundation</i>
8:10 – 9:30	<b>'What is 'nestor'?: The German Approach to Digital Preservation'</b> <i>Beate Sturm and Sven Vlaeminck, SUB Goettingen</i>
9:30 – 9:50	Coffee Break
9:55 - 11:00	<b>'Authenticity and OAIS: The CASPAR Model and InterPARES Principles'</b> <i>Prof Maria Guercio, University of Urbino</i>
11:00 - 12:00	<b>'Digital Curation Education: Building Sustainable Programmes'</b> <i>Prof Helen Tibbo, University of North Carolina at Chapel Hill</i>
12:00 - 13:00	Buffet Lunch
13:00 - 14:00	<b>'Digital Audit Framework Development Project'</b> <i>Sarah Jones, HATII and DCC at the University of Glasgow</i>
14:00 - 14:45	<b>'DigitalPreservationEurope, WePreserve, and Awareness Raising'</b> <i>Prof Seamus Ross, HATII at the University of Glasgow</i>
14:00 - 14:45	<b>'DigitalPreservationEurope, WePreserve, and Awareness Raising'</b> <i>Prof Seamus Ross, HATII at the University of Glasgow</i>
14:45 - 15:15	Coffee Break

15:15 - 17:30	Small Group Peripatetic Discussions on Preservation State of the Art
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Thursday, 12 June 2008	
9:00 - 12:45	<b>Current and Emerging Scientific Data Curation Practices</b> <i>Michael Day, UKOLN</i>
14:00 - 17:30	<b>Registries and File Formats</b> <i>Manfred Thaller, University of Cologne</i>

Friday, 13 June 2008	
9:00 - 12:45	<b>Repository Models: From Experimentation to Services</b> <i>Stephen Grace, eResearch Centre at King's College</i>
14:00 - 17:30	<b>Mechanisms for Assessing Preservation Service Performance: DRAMBORA, TRAC, and nestor</b> <i>Perla Innocenti, HATII</i>

## Annex G: Agenda DPE/Planets/CASPAR/nestor Joint Training Event 2008

**DPE/Planets/CASPAR/nestor Joint Training Event: 'Starting out: Preserving Digital Objects - Principles and Practice'**  
**12-17 October 2008**  
**Prague / Czech Republic**

Sunday, 12th October 2008	
18:00	<b>Welcome and Overview of the Joint Training School and Introduction to the Lecturers</b> <i>Seamus Ross, HATII at the University of Glasgow</i>
19:00	Opening Reception

Monday, 13th October 2008	
8:30 - 9:00	Registration
9:00 - 11:15	<b>Introduction to Digital Preservation</b> <i>David Giaretta, Rutherford Appleton Laboratory &amp; CASPAR</i>
11:30 - 13:00	<b>OAIS Model and Representation Information</b> <i>Carlo Meghini, The National Research Council &amp; CASPAR</i>
14:00 - 15:15	<b>Preservation Analysis Workflow and Preservation Descriptive Information</b> <i>Esther Conway, STFC Rutherford Appleton Laboratory</i>
15:45 - 17:45	<b>Digital Preservation Preparation and Requirements</b> <i>Hans Hofman, National Archives of the Netherlands, Planets &amp; DPE</i>

Tuesday, 14th October 2008	
9:00 - 10:00	Guided tour of Klementinum
10:00 - 13:30	<b>File Formats, Significant Properties</b> <i>Manfred Thaller, University of Cologne &amp; Planets</i>
14:30 - 18:00	<b>Preservation Metadata</b> <i>Angela Dappert, British Library &amp; Planets</i>

Wednesday, 15th October 2008	
9:00 - 12:30	<b>Preservation planning including PLATO</b> <i>Christoph Becker, Vienna University of Technology, Planets &amp; DPE</i>
13:30 - 17:00	<b>Preservation infrastructure</b> <i>Luigi Briguglio, Engineering Ingegneria Informatica &amp; CASPAR</i>
18:00	Social event

Thursday, 16th October 2008	
9:00 - 10:00	Guided tour of Karolinum
10:00 - 13:30	<b>Trusted Repositories</b> <i>Stefan Strathmann, Goettingen State and University Library (SUB), nestor &amp; DPE</i>
14:30 - 15:30	<b>Present and discuss exercises from Monday session on Preservation Descriptive Information</b>

	<i>Esther Conway, STFC Rutherford Appleton Laboratory</i>
16:00 - 18:00	<b>Self audit and self-certification principles using DRAMBORA toolkit</b> <i>Perla Innocenti, HATII at the University of Glasgow</i>

Friday, 17th October 2008	
9:00 - 12:45	<b>'WePreserve' Forum</b>
14:00 - 14:30	Feedback, Dissemination of certificates

## Annex H: Agenda nestor/DPE Spring School 2009, 16-20 March 2009

nestor/DPE Spring School ‚Digitale Langzeitarchivierung: Von der Konzeption zur Umsetzung‘  
16-20 March 2009  
Staufen/Breisgau

Montag, 16. März 2009	
11:00 – 11:30	Registrierung und Kaffee
11:30 – 12:30	<b>Willkommen &amp; Einführung in die nestor Spring School 2009</b> <i>Achim Oßwald und Stefan Strathmann</i>
12:30 – 14:00	Mittagessen
14:00 – 15:00	<b>Lektion I: Einführung in die digitale Langzeitarchivierung</b> <i>Regine Scheffel</i>
15:00 – 16:30	<b>Übung I</b>
16:30 – 17:00	Kaffeepause
17:00 – 17:30	<b>Präsentation der Ergebnisse der Übung I</b> (ca. 5 Minuten pro Arbeitsgruppe)
17:30 – 18:00	Diskussion und Zusammenfassung des Tages
ab 18:00	Abendessen

Dienstag, 17. März 2009	
ab 08:00	Frühstück
09:00 – 10:00	<b>Lektion II: Lebenszyklus von Akten</b> (Arbeitstitel) <i>Niklaus Stettler</i>
10:00 – 11:30	<b>Übung II</b>
11:30 – 12:00	Kaffeepause
12:00 – 12:30	<b>Präsentation der Ergebnisse der Übung II</b> (ca. 5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	Diskussion und Zusammenfassung
13:00 – 14:00	Mittagessen
14:00 – 15:00	<b>Lektion III: Wie baue ich ein Archiv auf? - Erfahrungen beim Aufbau des digitalen Archives im Bundesarchiv</b> (Arbeitstitel) <i>Karsten Huth</i>
15:00 – 16:30	<b>Übung III</b>
16:30 – 17:00	Kaffeepause
17:00 – 17:30	<b>Präsentation der Ergebnisse der Übung III</b> (ca. 5 Minuten pro Arbeitsgruppe)
17:30 – 18:30	Diskussion & Zusammenfassung des Tages
ab 18:00	Abendessen

Mittwoch, 18. März 2009	
ab 08:00	Frühstück
09:00 – 10:00	<b>Lektion IV: Vergleich verschiedener LZA-Systeme: Konzepte und Umsetzungen</b> <i>Achim Oßwald und Jens Ludwig</i>
10:00 – 11:30	<b>Übung IV</b>
11:30 – 12:00	Kaffeepause

12:00 – 12:30	<b>Präsentation der Ergebnisse aus der Übung IV</b> (ca. 5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	Diskussion und Zusammenfassung
13:00 – 14:00	Mittagessen
Nachmittags	Wandern / Besichtigung o.ä.
ab 19:00	Abendessen
ab 20:00	Weinprobe
ab 20:30	<b>Vortrag beim Wein: Preservation Planning</b> (Arbeitstitel) <i>Andreas Rauber</i>

Donnerstag, 19. März 2009	
ab 08:00	Frühstück
09:00 – 10:00	<b>Lektion V: Langzeitverfügbarkeit und Zugang zu Forschungsdaten</b> <i>Heike Neuroth</i>
10:00 – 11:30	<b>Übung V</b>
11:30 – 12:00	Kaffeepause
12:00 – 12:30	<b>Präsentation der Ergebnisse aus der Übung V</b> (5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	Diskussion und Zusammenfassung
13:00 – 14:00	Mittagessen
14:00 – 15:00	<b>Lektion VI: Forschungsdatenarchivierung in der Helmholtz Gemeinschaft</b> (Arbeitstitel) <i>Jens Klump</i>
15:00 – 16:30	<b>Übung VI</b>
16:30 – 17:00	Kaffeepause
17:00 – 17:30	<b>Präsentation der Ergebnisse aus der Übung VI</b> (ca. 5 Minuten pro Arbeitsgruppe)
17:30 – 18:00	Diskussion & Zusammenfassung des Tages
ab 18:00	Abendessen

Freitag, 20. März 2009	
ab 08:00	Frühstück
09:00 – 10:00	<b>Lektion VII: Der nestor Ingest-Ratgeber</b> (Arbeitstitel) <i>Jens Ludwig</i>
10:00 – 11:30	<b>Übung VII</b>
11:30 – 12:00	Kaffeepause
12:00 – 12:30	<b>Präsentation der Ergebnisse aus der Übung VII</b> (ca. 5 Minuten pro Arbeitsgruppe)
12:30 – 13:00	<b>Abschluss &amp; Zertifikat</b>
ab 13:00	Mittagessen
im Anschluss	Abreise aus Staufen

## Annex I: Agenda DPE/Planets/CASPAR/nestor joint training event 2009

### DPE/Planets/CASPAR/nestor Joint Training Event: 'The Preservation challenge: basic concepts and practical applications' 23-27 March 2009 Barcelona, Spain

Monday, 23 March 2009	
09:00 – 10:30	<b>Lecture I: Introduction to Digital Preservation</b> <i>Manfred Thaller</i>
10:30 – 11:00	Coffee break
11:00 – 12:30	<b>Lecture II: OAIS: a Reference Model for Preservation</b> <i>Carlo Meghini</i>
12:30 – 14:00	Lunch
14:00 – 15:30	<b>Lecture III: Knowledge Service for Preservation</b> <i>Carlo Meghini</i>
15:30 – 16:00	Coffee break
16:00 – 17:30	<b>Lecture IV: A conceptual model for Authenticity</b> <i>Carlo Meghini</i>

Tuesday, 24 March 2009	
09:00 – 10.30	<b>Lecture V: An Infrastructure for Preservation</b> <i>Claudio Prandoni</i>
10:30 – 11:00	Coffee break
11:00 – 12:30	<b>Lecture VI: A case study on Intellectual Property Rights</b> <i>Marlis Valenti</i>
12:30 – 14:00	Lunch
14:00 – 15:30	<b>Lecture VII: File Formats and Significant Properties</b> <i>Manfred Thaller</i>
15:30 – 16:00	Coffee break
16:00 – 17:30	<b>Lecture VIII: A Testbed for Preservation planning</b> <i>Max Kaiser, Brian Aitken</i>
20:00 – 22:00	Social event Social Dinner in the 15th century building of the Library of Catalonia with Spanish classical guitar accompaniment

Wednesday, 25 March 2009	
09:00 – 10:30	<b>Lecture IX: Trusted Repositories</b> <i>Christian Keitel</i>
10:30 – 11:00	Coffee break
11:00 – 12:30	<b>Lecture X: Planning for trusted repositories with PLATTER</b> <i>Asger Blekinge-Rasmussen</i>
12:30 – 14:00	Lunch

14:00 – 15:30	<b>Lecture XI: Preservation metadata</b> <i>Angela Dappert</i>
15:30 – 16:00	Coffee break
16:00 – 16:45	<b>Exercise XI: Preservation metadata</b>
16:45 – 17:30	Presentation of results + discussion of Exercise

Thursday, 26 March 2009	
09:00 – 10:30	<b>Lecture XII: Preservation planning with PLATO</b> <i>Hannes Kulovits</i>
10:30 – 11:00	Coffee break
11:00 – 11:45	<b>Exercise XII: Preservation planning with PLATO</b>
11:45 – 12:30	Presentation of results + discussion of Exercise
12:30 – 14:00	Lunch
14:00 – 15:30	<b>Lecture XIII: Digital Preservation Process: Preparation and Requirements</b> <i>Hans Hofman</i>
15:30 – 16:00	Coffee break
16:00 – 17:30	<b>Lecture and exercise XIV: Self audit and self-certification using DRAMBORA</b> <i>Seamus Ross</i>

Friday, 27 March 2009 'WePreserve Forum 2009'	
08:30 – 08:50	Registration to WePreserve Forum
08:50 – 09:10	<b>Welcome</b>
09:10 – 09:50	<b>European Initiatives in Digital Preservation</b> <b>DigitalPreservationEurope project (DPE) and WePreserve projects</b> <i>Seamus Ross</i>
09:50 – 10:10	<b>Planets project</b> <i>Hans Hofman</i>
10:10 – 10:30	<b>CASPAR project</b> <i>Vittore Casarosa</i>
10:30 – 10:50	<b>nestor project</b> <i>Christian Keitel</i>
10:50 – 11:10	<b>SHAMAN project</b> <i>Seamus Ross</i>
11:10 – 11:40	Coffee break
11:40 – 12:10	<b>Practical ways to tackle digital preservation using DPE tools and services</b> <i>Asger Blekinge-Rasmussen</i>
12:10 – 12:40	<b>Preservation planning tool PLATO</b> <i>Hannes Kulovits</i>
12:40 – 13:10	<b>Preserving complex digital objects in cultural heritage setting: keeping born digital music alive for centuries</b> <b>Alain Bonardi</b>
13:10 – 13:30	Questions, discussions

## Annex J: Feedback Form for DPE/Planets/CASPAR/nestor joint training event 2008

### DPE/Planets/CASPAR/nestor joint training event 2008 'Starting out: preserving digital objects – principles and practice'

## FEEDBACK FORM

This form is intended to gather information about the event from the participants. It will only take a couple of minutes to fill in, and will provide us with valuable information about the usefulness and benefits of the event.

### About the Event

*Please rate some of the aspects of the seminar by circling one of the numbers where: 1=Poor and 5=Excellent*

**1. How effective were the speakers?**

1      2      3      4      5

**2. How would you rate the teaching methods?**

1      2      3      4      5

**3. How would you rate the structure of the event?**

1      2      3      4      5

**4. How useful was the background documentation?**

1      2      3      4      5

**5. How would you rate the organisation of the event?**

1      2      3      4      5

**6. How well did you feel that the event addressed the main topic?**

1      2      3      4      5

**7. Did this event meet your expectations? (Please circle one)**

Yes                  No

**If not, why not?**

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**8. What will you be able to take from this event back to your own organisations?**

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**9. What else would you like to have seen covered at this event?**

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**10. What did you like best about this event?**

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**11. What did you like least?**

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**12. How did you hear about this training event? (Please tick as appropriate)**

- An Organisation or Institution (*Please specify*) \_\_\_\_\_
- Colleague
- Web search
- Planets Website
- DPE Website
- CASPAR Website
- Nestor Website
- WePreserve Website

- Other (Please specify)\_\_\_\_\_

**13. What motivated you to attend?** *(Please tick as appropriate)*

- Interest in the topic
- Interest in the DPE, CASPAR, nestor and Planets Projects
- Interest in digital preservation
- Location
- Speakers
- Other (Please specify)

**14. Please feel free to make any additional comments.**

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**About you**

**15. Do you work for a** *(Please tick as appropriate):*

- National Library
- National Archive
- Public Sector Organisation
- Commercial company
- Academic Institution
- Consultancy
- Other *(Please specify)*\_\_\_\_\_

**16. What is your function?** *(Please specify; e.g. Librarian, Digital Archivist, Software Developer, etc.)*

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**THANK YOU!**

## Annex K: nestor/DPE Winter School 2007 Feedback Form Part I

FEEDBACK FORM  
Nestor/DPE Winter School 2007:  
„Praktische Anwendungsfelder der digitalen Langzeitarchivierung“  
in Gernrode/Harz vom 11. – 15. November 2007

1. Wie haben Sie von dieser Winter School erfahren?

nestor-Webseite

nestor-Mailingliste

anderes Mailingliste, welche? .....

persönlicher Kontakt

sonstiges .....

2. Haben Sie schon einmal eine nestor-Veranstaltung besucht?

nein

ja, welche: .....

3. Bitte bewerten Sie folgende Bereiche:

a) Auswahl von Themen und Referenten

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

b) Aufbau und Verständlichkeit der Folien/Präsentationen

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

c) Diskussion und Teilnehmerbeteiligung

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

d) Veranstaltungsort und Räumlichkeiten

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

e) Verpflegung und Unterbringung

sehr günstig  
 Preis/Leistung angemessen  
 zu teuer

Weiter Anmerkungen:

.....  
.....

f) Organisation und Durchführung

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

4. Hat Ihnen etwas besonders gefallen oder missfallen?

.....  
.....  
.....

5. Haben Sie oder Ihre Institution bereits Erfahrung mit der digitalen Langzeitarchivierung? Oder beabsichtigen Sie sich künftig mit diesem Arbeitsbereich zu befassen?

.....  
.....  
.....

6. Welchem Sektor ordnen Sie sich zu?

- Archiv**                       **Bibliothek**                       **Museum**  
 **Sonstiges:** .....

7. Haben Sie noch weitere Kommentare oder Anregungen zu dieser Qualifizierungsveranstaltung? Was können wir bei den nächsten Qualifizierungsveranstaltungen besser machen?

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.....  
.....

8. Welchen Themen sollte sich nestor bei künftigen Qualifizierungs-Veranstaltungen besonders widmen?

.....  
.....  
.....

9. Haben Sie noch weitere Kommentare oder Anregungen zu den nestor Aktivitäten?

.....  
.....

## Annex L: nestor/DPE Winter School 2007 Feedback Form Part II

FEEDBACK FORM  
nestor Winter School 2007:  
„Praktische Anwendungsfelder der digitalen Langzeitarchivierung“  
in Gernrode/Harz vom 11. – 15. November 2007

1. Bitte bewerten Sie folgende Lektionen und Übungen:

Einführung in die digitale Langzeitarchivierung

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

Einführung in die praktische digitale Langzeitarchivierung - Teil I:  
Formate und Standards

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

Kriterien für Archivsysteme Teil I: OAIS

sehr gut    gut    befriedigend    ausreichend    mangelhaft

Weiter Anmerkungen:

.....  
.....

Kriterien für Archivsysteme Teil II: Vertrauenswürdigkeit

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....  
.....

Vorstellung bestehender Archiv-Systeme – kopal

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....  
.....

Vorstellung bestehender Archiv-Systeme – Bundesarchiv

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....  
.....

Vorstellung bestehender Archiv-Systeme – PORTICO/LOCKSS

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....  
.....

Konzepte und Herausforderungen der Webarchivierung

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....

.....

Webarchivierung am Beispiel des Deutschen Bundestages

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....

.....

Preservation Planning im Rahmen von DELOS und PLANETS

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....

.....

2. Bitte bewerten Sie die folgenden Punkte im Programm:

Zwischenbilanz und Brainstorming

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weiter Anmerkungen:**

.....

.....

Podiumsdiskussion mit Hochschulpartnern und nestor

sehr gut    gut    befriedigend    ausreichend    mangelhaft

**Weitere Anmerkungen:**

.....

.....

**Annex M: DELOS Summer School 2008 Feedback Form**

(Tirrenia, June 08)

**FEEDBACK FORM**

This form is intended to gather information about the event from the participants. It will only take a couple of minutes to fill in, and will provide us with valuable information about the usefulness and benefits of the event.

**About the Event**

Please rate some of the aspects of the seminar by circling one of the numbers where: **1=Poor** and **5=Excellent**

**1. How effective were the speakers?**

1      2      3      4      5

**2. How would you rate the teaching methods?**

1      2      3      4      5

**3. How would you rate the structure of the event?**

1      2      3      4      5

**4. How useful was the background documentation?**

1      2      3      4      5

**5. How would you rate the organisation of the event?**

1      2      3      4      5

**6. How well did you feel that the event addressed the main topic?**

1      2      3      4      5

**7. Did this event meet your expectations? (Please circle one)**

Yes                  No

**If not, why not?**

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**8. What will you be able to take from this event back to your own organisations?**

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**9. What else would you like to have seen covered at this event?**

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**10. What did you like best about this event?**

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**11. What did you like least?**

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---

**12. How did you hear about this training event? (Please tick as appropriate)**

- An Organisation or Institution (Please specify) \_\_\_\_\_
- Colleague
- Web search
- Planets Website
- DPE Website
- Other (Please specify) \_\_\_\_\_

**13. What motivated you to attend? (Please tick as appropriate)**

- Interest in the topic
- Interest in the DPE and Planets Projects
- Interest in digital preservation

- Location
- Speakers
- Other (Please specify)

**14. Please feel free to make any additional comments.**

---

---

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**About you**

**15. Do you work for a** *(Please tick as appropriate):*

- National Library
- National Archive
- Public Sector Organisation
- Commercial company
- Academic Institution
- Consultancy
- Other *(Please specify)*\_\_\_\_\_

**16. What is your function?** *(Please specify; e.g. Librarian, Digital Archivist, Software Developer, etc.)*

---

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**THANK YOU!**

## Annex N: Summary statistics: Distribution of participants by country

Country	Total	Percentage
total	342	100,00%
Australia	1	0,29%
Austria	20	5,85%
Canada	2	0,58%
Czech republic	18	5,26%
Columbia	1	0,29%
Estonia	4	1,17%
France	2	0,58%
Germany	163	47,66%
Greece	1	0,29%
Hungary	1	0,29%
India	1	0,29%
Italy	24	7,02%
Israel	1	0,29%
Latvia	2	0,58%
Lithuania	15	4,39%
Luxembourg	1	0,29%
Netherlands	2	0,58%
Norway	1	0,29%
Portugal	4	1,17%
Slovenia	1	0,29%
Romania	1	0,29%
Serbia	1	0,29%
Singapore	2	0,58%
Spain	26	7,60%
Sweden	1	0,29%
Switzerland	25	7,31%
Turkey	2	0,58%
UK	17	4,97%
USA	1	0,29%
Vietnam	1	0,29%

## Annex O: Summary statistics: Distribution by professional background of the participants

Institution / Job sector	Total	Percentage
total	342	100,00%
University/Academic sector	57	16,67%
Students	85	24,85%
Library	82	23,98%
Archive	31	9,06%
Commercial Sector	25	7,31%
other	46	13,45%
not applicable	4	1,17%
no reply	12	3,51%

## Annex P: Statistics of the DELOS Summer Schools

	DELOS S. School 2007	DELOS S. School 2008	Total	Percentage
<b>Institution</b>				
University/Academic sector (nr. of students)	25 (14)	31 (14)	56 (28)	68,3% (34,1%)
Library		8	8	9,8%
Archive		3	3	3,7%
Commercial Sector		2	2	2,4%
other		1	1	1,2%
<i>no reply</i>		2	2	2,4%
<b>Country</b>				
Austria	11	3	14	17,1%
Canada		2	2	2,4%
Czech republic		3	3	3,7%
Columbia		1	1	1,2%
Estonia		1	1	1,2%
Germany	4	3	7	8,5%
Greece		1	1	1,2%
India		1	1	1,2%
Italy	5	16	21	25,6%
Latvia	1		1	1,2%
Lithuania	1	1	2	2,4%
Luxembourg		1	1	1,2%
Netherlands	1		1	1,2%
Portugal		2	2	2,4%
Slovenia	1		1	1,2%
Romania		1	1	1,2%
Spain		1	1	1,2%
Switzerland	1	1	2	2,4%
Turkey		2	2	2,4%
UK	10	5	15	18,3%
USA		1	1	1,2%
Vietnam		1	1	1,2%
<i>total non-european</i>		6	6	7,3%
<b>total nr</b>	<b>35</b>	<b>47</b>	<b>82</b>	<b>100,0%</b>

## Annex Q: Statistics of the joint training events

Joint Training Event	Vilnius 2007	Prague 2008	Barcelona 2009	Total	Percentage
<b>Institution</b>					
University/Academic Sector	2	4	12	18	68,3%
(nr. of students)	(2)	(2)	(5)	(9)	(10,1%)
Library	12	13	8	33	40,2%
Archive	5	3	1	9	11,0%
Commercial Sector	1	2	10	13	15,9%
Other	2	5	2	9	11,0%
<b>Country</b>					
Australia		1		1	1,2%
Austria		1		1	1,2%
Czech republic	1	14		15	18,3%
Estonia	2	1		3	3,7%
France		1		1	1,2%
Germany		2	2	4	4,9%
Hungary			1	1	1,2%
Israel			1	1	1,2%
Italy		3		3	3,7%
Latvia	1			1	1,2%
Lithuania	13			13	15,9%
Netherlands		1		1	1,2%
Norway	1			1	1,2%
Poland	2			2	2,4%
Portugal			2	2	2,4%
Singapore			2	2	2,4%
Sweden	1			1	1,2%
Spain			25	25	30,5%
Serbia		1		1	1,2%
Switzerland	1			1	1,2%
UK		2		2	2,4%
<i>Total non-european</i>		1	1	2	3,6%
<b>Total</b>	<b>22</b>	<b>27</b>	<b>33</b>	<b>82</b>	

## Annex R: Statistics of the nestor/DPE Schools

	Spring School 2007	Winter School 2007	Summer School 2008	Spring School 2009	Total	Percentage
Total no. of participants	39	43	57	39	178	100,0%
<b>Country</b>						
Germany	34	36	49	31	150	84,3%
Austria	0	1	2	2	5	2,8%
Switzerland	5	6	6	5	22	12,4%
France	0	0	0	1	1	0,6%
<b>Job sector</b>						
Archive	1	3	11	4	19	10,7%
Library	9	9	12	11	41	23,0%
Museum	0	1	3	2	6	3,4%
Student	12	12	11	13	48	27,0%
University teacher	3	6	7	4	20	11,2%
Commercial	3	2	3	2	10	5,6%
Other public service	9	9	9	3	30	16,9%
Not applicable	2	1	1	0	4	2,2%

	Total	Percentage
Practitioners	106	59,6%
Academics	68	38,2%
Not applicable	4	2,2%

## Annex S: Follow-up questionnaire

### 'Principles of Digital Preservation: A Hands-on Approach' Follow-up questionnaire

In October 2007 you participated in a training event organised by the DPE, Planets and nestor projects entitled "Principles of Digital Preservation: A Hands-on Approach". We would like to ask you a few questions to determine how you apply the knowledge acquired in the course in your everyday work and how it has benefitted you and your institution. We would also like to use your comments and feedback to improve the courses we offer in the future.

Please take a few minutes to answer the questions below. Your opinion is very important to us.

#### Involvement in digital preservation communities and initiatives

##### 1. Following the course have you: -

###### a) Continued you discussions in any of the following:

	DPE	PLANETS	nestor
Mailing lists	Y/N	Y/N	Y/N
Forums	Y/N	Y/N	Y/N
User communities	Y/N	Y/N	Y/N

###### b) Attended any conferences related to Digital Preservation issues? Y/N

If yes, please specify:

.....  
.....

###### c) Attended any further training courses or seminars relating to Digital Preservation? Y/N

If yes, please specify:

.....  
.....

#### Use of acquired knowledge and skills

##### 2. Following the course have you been involved in the coordination or organisation of any Digital Preservation activities within your own institution? (for example in the creation of Digital Preservation policy documents?)

.....  
.....  
.....

##### 3. Since attending the course have you used your knowledge of the following areas in any institutional activities: -

- a) the OAIS Reference Model Y/N
- b) preservation metadata standards Y/N
- c) the Planets preservation planning model Y/N

##### 4. If you answered yes to any of the above, please provide more details

.....  
.....  
.....

**5. What skills or knowledge acquired during the training course have you found most useful in your daily work?**

.....  
.....

**Future events**

**6. Are you likely to attend further training events and/or seminars relating to digital preservation in the next 12 months? Y/N**

**7. Do you feel there is a need for formal training in Digital Preservation? Y/N**  
**If yes, at what level do you feel this should be given?**

.....  
.....

## Annex T: Contacts and communication channels

### Announcement of Training events

The following is a list of contacts and communication channels which have been contacted/used in order to announce the training events.

### Participants

The following people have participated in announcing the events:

- Joy Davidson (HATII) (Planets/DPE)
- Emily Witham (HATII) (DPE)
- Vilma Karvelyte (VUFC) (DPE)
- Jelena Saikovic (VUFC) (DPE)
- Zibute Petrauskiene (VUFC) (DPE)
- Rimvydas Lauzikas (VUFC) (DPE)
- Jette Junge (SB) (Planets)
- Karen Williams (SB) (Planets)
- Carol Jackson (DPC)
- Heike Neuroth (SUB) (DPE/nestor)
- Stefan Strathmann (SUB) (DPE/nestor)

### Contacts

[Archivo Central de Melilla hospitaldelrey@melilla.es](mailto:hospitaldelrey@melilla.es)  
[Archivo General de Castilla-La Mancha archivocl@jccm.es](mailto:archivoicl@jccm.es)  
[Archivo General de Andalucía informacion.aga.ccul@juntadeandalucia.es](mailto:informacion.aga.ccul@juntadeandalucia.es)  
[Archivo General de Castilla y León archivo.general@jcyL.es](mailto:archivo.general@jcyL.es)  
[Archivo Nacional de Catalunya anc.cultura@gencat.net](mailto:anc.cultura@gencat.net)  
[Archivo Real y General de Navarra cidoatee@cfnavarra.es](mailto:cidoatee@cfnavarra.es)  
[Archivo General de la Región de Murcia archivo.general@carm.es](mailto:archivo.general@carm.es)  
[Archivo General de la Xunta de Galicia axxg@xunta.es](mailto:axxg@xunta.es)  
[Biblioteka Uniwersytecka w Warszawie \(BUW\) e.maciuszko@uw.edu.pl](mailto:e.maciuszko@uw.edu.pl)  
[Biblioteka Uniwersytecka, Wrocław grazyna.piotrowicz@bu.uni.wroc.pl](mailto:grazyna.piotrowicz@bu.uni.wroc.pl)  
[Biblioteka Jagiellońska PietrzyZ@if.uj.edu.pl](mailto:if.uj.edu.pl)  
[Deputy Director General for International Activities \(NK Russia, Petrohrad\) lynden@nrl.ru](mailto:lynden@nrl.ru)  
[Huesca, Zaragoza y Teruel aaca@aragon.es](mailto:aaca@aragon.es)  
[National Library of the Czech Republic knihovna@cesnet.cz](mailto:knihovna@cesnet.cz)  
[National Library of Latvia, Riga andris.vilks@lnb.lv](mailto:andris.vilks@lnb.lv)  
[NK Estonska mari.kannusaar@nlib.ee](mailto:mari.kannusaar@nlib.ee)  
[Riga Central Library dove@biblioteka.rcc.lv](mailto:dove@biblioteka.rcc.lv)  
[Ukrainian State University of Chemical Engineering khodorenko\\_anna@ua.fm](mailto:khodorenko_anna@ua.fm)  
[Universidad de Alcalá de Henares carmen.delapena@uah.es](mailto:carmen.delapena@uah.es)  
[Universidad de Almería angelmm@ual.es](mailto:angelmm@ual.es)  
[Universidad de Burgos archivo@ubu.es](mailto:archivo@ubu.es)  
[Universidad Carlos III de Madrid pmarin@pa.uc3m.es](mailto:pmarin@pa.uc3m.es)

[Universidad de Castilla-La Mancha archivo@uclm.es](mailto:archivo@uclm.es)  
[Universidad Complutense de Madrid caflores2pas.ucm.es](mailto:caflores2pas.ucm.es)  
[Universidad de Granada archivo1@elvira.ugr.es](mailto:archivo1@elvira.ugr.es)  
[Universidad Internacional de Andalucía uniara@uniara.uia.es](mailto:uniara@uniara.uia.es)  
[Universidad de Jaén mdcobos@ujaen.es](mailto:mdcobos@ujaen.es)  
[Universidad de Murcia mism@umu.es](mailto:mism@umu.es)  
[Universidad de Oviedo migimeno@correo.uniovi.es](mailto:migimeno@correo.uniovi.es)  
[Universidad Pontificia de Comillas olassolo@upco.es](mailto:olassolo@upco.es)  
[Universidad Pontificia de Salamanca archivo@upsa.es](mailto:archivo@upsa.es)  
[Universidad Pública de Navarra archivo@unavarra.es](mailto:archivo@unavarra.es)  
[Universidad de Sevilla vtavora@us.es](mailto:vtavora@us.es)  
[Universidad de Valladolid archivo@uva.es](mailto:archivo@uva.es)

### **Mailing Lists**

American Society for Information Science [asis-l@asis.org](mailto:asis-l@asis.org)  
 Archivliste [archivliste@Lists.Uni-Marburg.de](mailto:archivliste@Lists.Uni-Marburg.de)  
 Bibliothécaires, documentalistes et documents numériques [biblio-fr@cru.fr](mailto:biblio-fr@cru.fr)  
 DCC associates network [dcc-associates@lists.ed.ac.uk](mailto:dcc-associates@lists.ed.ac.uk)  
 DGI Deutsche Gesellschaft für Informationswissenschaft und Informationspraxis e.V. [dgi-news@listserv.dfn.de](mailto:dgi-news@listserv.dfn.de)  
 DIGICULT INFSO-DIGICULT [ec.europa.eu](mailto:ec.europa.eu)  
 DIGITAL-ARTS-FORUM List [DIGITAL-ARTS-FORUM@JISCMAIL.AC.UK](mailto:DIGITAL-ARTS-FORUM@JISCMAIL.AC.UK)  
 Digital Libraries Research mailing list [diglib@infoserv.inist.fr](mailto:diglib@infoserv.inist.fr)  
 Digital Preservation [digipres@ala.org](mailto:digipres@ala.org)  
 Digital-Preservation Announcement and Information List [DIGITAL-PRESERVATION@JISCMAIL.AC.UK](mailto:DIGITAL-PRESERVATION@JISCMAIL.AC.UK)  
 DigitalPreservationEurope Project list [dpe-all@gla.ac.uk](mailto:dpe-all@gla.ac.uk)  
 DigitalPreservationEurope Community [dpe-community@gla.ac.uk](mailto:dpe-community@gla.ac.uk)  
 Discussion list for EU information specialists [EUROTALK@jiscmail.ac.uk](mailto:EUROTALK@jiscmail.ac.uk)  
 E-Documentmanagement list [E-DOCUMENTMANAGEMENT@jiscmail.ac.uk](mailto:E-DOCUMENTMANAGEMENT@jiscmail.ac.uk)  
 e-Framework for Education and Research [E-FRAMEWORK@jiscmail.ac.uk](mailto:E-FRAMEWORK@jiscmail.ac.uk)  
 Elektronická konference Archivy [akm@cvut.cz](mailto:akm@cvut.cz)  
 Electronic Resources in Libraries [ERIL-L@LISTSERV.BINGHAMTON.EDU](mailto:ERIL-L@LISTSERV.BINGHAMTON.EDU)  
 LIS-ELIB List [LIS-ELIB@JISCMAIL.AC.UK](mailto:LIS-ELIB@JISCMAIL.AC.UK)  
 European Documentation Centres (EDC) [EURODOC@jiscmail.ac.uk](mailto:EURODOC@jiscmail.ac.uk)  
 European programmes [LIS-EUROPEAN-PROGRAMMES@JISCMAIL.AC.UK](mailto:LIS-EUROPEAN-PROGRAMMES@JISCMAIL.AC.UK)  
 Evidence based practice to librarianship and information science [EVIDENCE-BASED-LIBRARIES@jiscmail.ac.uk](mailto:EVIDENCE-BASED-LIBRARIES@jiscmail.ac.uk)  
 Forschungsdaten [FORSCHUNGSDATEN@LISTSERV.DFN.DE](mailto:FORSCHUNGSDATEN@LISTSERV.DFN.DE)  
 Forum d'archivistique [archives-fr@yahoogroupes.fr](mailto:archives-fr@yahoogroupes.fr)  
 German Museums-E-Mail-List [demuseum@dhm.de](mailto:demuseum@dhm.de)  
 Higher Education Academy [HEACADEMY-GENERAL@jiscmail.ac.uk](mailto:HEACADEMY-GENERAL@jiscmail.ac.uk)  
 HATII Projects [projects@hatii.arts.gla.ac.uk](mailto:projects@hatii.arts.gla.ac.uk)  
 International Society for Knowledge Organization (ISKO) German Chapter [wiss-org@bonn.iz-soz.de](mailto:wiss-org@bonn.iz-soz.de)  
 INETBIB - Internet in Bibliotheken [INETBIB@ub.uni-dortmund.de](mailto:INETBIB@ub.uni-dortmund.de)  
 Interoperability List [INTEROPERABILITY@JISCMAIL.AC.UK](mailto:INTEROPERABILITY@JISCMAIL.AC.UK)  
 JISC announce list [JISC-ANNOUNCE@jiscmail.ac.uk](mailto:JISC-ANNOUNCE@jiscmail.ac.uk)  
 JISC cluster group on preservation for digital repositories [PRESERVE-DR@JISCMAIL.AC.UK](mailto:PRESERVE-DR@JISCMAIL.AC.UK)  
 JISC List for electronic collection managers [JISC-E-COLLECTIONS@JISCMAIL.AC.UK](mailto:JISC-E-COLLECTIONS@JISCMAIL.AC.UK)  
 JISC Repositories List [JISC-REPOSITORIES@JISCMAIL.AC.UK](mailto:JISC-REPOSITORIES@JISCMAIL.AC.UK)  
 JISC TechWatch newsgroup [JISC-TSW@JISCMAIL.AC.UK](mailto:JISC-TSW@JISCMAIL.AC.UK)  
 Museums Computer Group [MCG@JISCMAIL.AC.UK](mailto:MCG@JISCMAIL.AC.UK)  
 nestor [nestor@langzeitarchivierung.de](mailto:nestor@langzeitarchivierung.de)  
 nestor Qualification [qualifizierung@langzeitarchivierung.de](mailto:qualifizierung@langzeitarchivierung.de)  
 Padiforum [padiforum-l@nla.gov.au](mailto:padiforum-l@nla.gov.au)  
 Science and technology librarians [LIS-SCITECH@JISCMAIL.AC.UK](mailto:LIS-SCITECH@JISCMAIL.AC.UK)  
 Slovak Librarians conference [unicat@ulib.sk](mailto:unicat@ulib.sk)

Social Science Librarians List [LIS-SOCIALSCIENCE@JISCMail.AC.UK](mailto:LIS-SOCIALSCIENCE@JISCMail.AC.UK)  
SPARC Institutional Repositories Discussion List [SPARC-IR@arl.org](mailto:SPARC-IR@arl.org)  
Students of librarianship conference [uisk118@cuni.cz](mailto:uisk118@cuni.cz)  
Swiss list for information and documentation specialists [swiss-lib@switch.ch](mailto:swiss-lib@switch.ch)  
The UK Clinical Librarian mailing list [CLIN-LIB @jiscmail.ac.uk](mailto:CLIN-LIB@jiscmail.ac.uk)  
Uloziste [uloziste@www.nkp.cz](mailto:uloziste@www.nkp.cz)  
Verein Deutscher Bibliothekare [vdb-list@lists.hsu-hh.de](mailto:vdb-list@lists.hsu-hh.de)

### **Online Calendars**

CASPAR  
Centrum för Långsiktigt Digitalt Bevarande  
DELOS Preservation Cluster  
Digital Curation Centre  
Digital Preservation Coalition  
DigitalPreservationEurope  
DINI  
European Preservation Information Center (EPIC)  
IREL- Open Project  
kopal  
Libworm  
nestor  
Open Access Net  
Planets  
WePreserve

### **The following contacts/communication channels have been contacted by representatives from fellow organizers:**

- DCC
- DPC
- nestor
- various Lithuanian, Latvian and Estonian Associations of libraries and museums



### Project information

Project acronym:	<b>DPE</b>
Project full title:	<b>DigitalPreservationEurope</b>
Proposal/Contract no.:	<b>IST-2006-034762</b>

### Project Officer: Manuela Speiser

Address:	INFOSO-E3 Information Society and Media Directorate General Content - Learning and Cultural Heritage  Postal mail: Bâtiment Jean Monnet (EUFO 1167) Rue Alcide De Gasperi / L-2920 Luxembourg  Office address: EUROFORUM Building - EUFO 1167 10, rue Robert Stumper / L-2557 Gasperich / Luxembourg
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Fax:	+352 4301 33190
Mobile:	
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### Project Co-ordinator: Prof Seamus Ross

Address:	HATII, University of Glasgow
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E-mail:	s.ross@hatii.arts.gla.ac.uk