



**IST-2002- 507382**

**EPOCH**

**Excellence in Processing Open  
Cultural Heritage**

Network of Excellence

Information Society Technologies

**D1.2.2: Plan for Dissemination and Use of Knowledge**

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<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	X

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## 1. Executive Summary

This report describes the current plans of the EPOCH Network of Excellence for use and dissemination of knowledge. There is currently some conflicting advice about what should be contained within this standard deliverable, and this report concentrates on plans for publication and presentation about the work of the Network. The second semester of the funded period will include the first VAST event since the Network began operations. This will be a major event for EPOCH as it will incorporate a strong stream of refereed papers, many of which are authored or co-authored by EPOCH partners, along with several sessions of EPOCH business. The two types of activity complement each other with a strong conference program attracting an expert audience to provide useful input to EPOCH discussions and visibility for EPOCH's work to date. The event will also be the host to the first full Assembly of the NoE, the ultimate governing body of the Consortium.

However, EPOCH's dissemination and publication plans are not limited to VAST and a significant number of other opportunities to spread excellence are already in the pipeline. Known opportunities are documented in this report but it is expected that additional opportunities will arise during the course of the semester and will be taken if appropriate.

EPOCH also plans to introduce the opportunity for events run by other organisations to be recognised by EPOCH as contributing to interdisciplinary integration and encouraged to liaise closely with EPOCH partners. Typically other opportunities for collaboration would include using the showcases to spread knowledge of EPOCH's work at these events.

The EPOCH website is also a major tool in the dissemination process and will provide repositories for EPOCH publications, and eventually datasets and open source tools. The EPOCH Newsletter is also expected to be published on this site.

## **2. Introduction and Overview**

In the course of the first semester of the funded period of EPOCH, 13 presentations about various aspects of EPOCH were made at a range of international events (see D1.2.1). In addition D1.2.1 reports on the planning during the first semester for VAST2004 – an international symposium with substantial input from EPOCH. This report described the known plans of members of the Network for publication and other dissemination activity during the next six months. The table below (Table 2.1) shows the events already known to be planning presentations from members of EPOCH in the first 6 weeks of semester 2. It is certain that this table will be greatly expanded as the semester develops.

**Table 1 List of presentations planned as at date of writing**

The following EPOCH presentations are already known to be undertaken during the second semester:

#	Name	Date	Kind of event	Place	State	Activity	Est. contacts	Follow-up
14	Busteni Course	20-25/9/2004	EPOCH course	Busteni	RO	Lecture + printed material	35	Coop. with Sibiu (European Capital of Culture 2007)
15	Szazhalombatta Course	27/9/2004 – 2/10/2004	EPOCH course	Szazhalombatta	HU	Lecture + material + meeting with local officers	35	Coop. with the Szazhalombatta Archaeol. Park
16	Meeting on EU-Israel cooperation	8/10/2004	Meeting	Tel Aviv	IL	Meeting with top officers of IAA, Jewish Agency, Universities etc.	20	Several cooperation activities
17	EVA Jerusalem	11-12/10/2004	Scientific Conf.	Jerusalem	IL	Presentation + workshop	100	Cooperation with the municipality of Jerusalem+others
18	VAST2004	6-10/12/04	Scientific Conf and EPOCH workshops	Brussels	B	Workshops and courses	200	
19	CAA2005	3/05	Scientific Conf	Portugal	P	Workshops and papers	300	
20	"Recording, Modeling and Visualization of Cultural Heritage"	22-27/5/05	Scientific Workshop	Ascona	CH	Keynote speech and other presentations	???	
21	Graphicon 05	6/05	Scientific Conference	Russia	RU	Cultural Heritage Stream	300	
<b>TOTAL by 15/10/2004</b>							<b>~ 1000 (15% est. duplication)</b>	

### 3. EPOCH events

The Network will continue to focus a large amount of effort in the dissemination and networking at the annual VAST and CAA events. These give concentrated opportunities to discuss the best outputs from EPOCH and compare them with benchmarks elsewhere, as well as providing the environment for formal and informal meetings to progress the integration agenda for the EPOCH partners.

A major part of these plans focuses on the VAST2004 event and the planned program and accepted papers (as far as is known at the time of writing) is included below. Planning in the next semester will also address the planning for EPOCH sessions at CAA2005 in Portugal which is shortly after the end of the second semester.

A significant part of the dissemination activities in the first semester has been concerned with submitting papers for refereeing for the VAST2004 program.

#### 3.1. VAST2004

Around three quarters of the full papers being presented at VAST2004 involve researchers named in the Technical Annex, and in addition a number of papers have been submitted by organisations originally named as associate partners and now listed as potential subcontractors. Interestingly, many of the partners' papers have been co-authored by researchers from organisations which are not part of EPOCH. This suggests that the Network is indeed drawing closer together by coming together for the VAST annual event, but is also having a significant impact beyond the bounds of the immediate membership.

##### 3.1.1. List of full papers at VAST2004 involving EPOCH partners

1. *G. H. Bendels, P. Degener, R. Wahl, M. Koertgen, R. Klein* "**Image-Based Registration of 3D-Range Data Using Feature Surface Elements**"
2. *F. Dickmann, K. Gee, W. Kreisel* "**The potential of internet-based techniques for heritage interpretation**"
3. *Gaitatzes, G. Papaioannou, D. Christopoulos* "**The Ancient Olympic Games: Being Part of the Experience**"
4. *S. Havemann, D.W. Fellner* "**Generative Design of Gothic Window Tracery**"
5. *P. de Heras Ciechowski, B. Ulicny, D. Thalmann, R. Cetre* "**A case study of a virtual audience in a reconstruction of an ancient Roman odeon in Aphrodisias**"
6. *Ladeira, E. H. Blake* "**Virtual San Storytelling for Children: Content vs. Experience**"
7. *F. Liarokapis, S. Sylaiou, A. Basu, N. Mourkoussis, M. White, P.F. Lister* "**An Interactive Visualisation Interface for Virtual Museums**"
8. *R. Owen, D. Buhalis, D. Pletinckx* "**Developing the tourism aspects of a cultural route**"
9. *R. Owen, D. Buhalis, D. Pletinckx* "**Identifying technologies used in Cultural Heritage**"
10. *J. Pansiot, P. Chapman, W. Viant, P. Halkon* "**New Perspectives on Ancient Landscapes: A Case Study of the Foulness Valley**"
11. *M. Patel, K. Walczak, F. Giorgini, M. White*. "**Cultural Heritage Repositories as Sources for Learning Materials**"

12. *D. Pletinckx, L. De Jaegher, T. Helsen, I. Langen, N. Silberman, M. Van der Donckt, J. Stobbe* **"Past and Present of a Village"**
13. *F. Remondino, J. Niederoest* **"Generation of High-Resolution Mosaic for Photo-Realistic Visualization of Cultural Heritage Sites"**
14. *G. Ryder, P. Flack, A.M. Day* **"Adaptive Crowd Behaviour to Aid Real-Time Rendering of a Cultural Heritage Environment"**
15. *R. Scopigno, M. Balzani* **"Digital representation and multimodal presentation of archeological graffiti at Pompei"**
16. *R. Scopigno, C. Baracchini, P. Cignoni* **"Digital reconstruction of the Arrigo VII funerary complex"**
17. *M. Vergauwen, D. Pletinckx, G. Willems, F. Verbiest, L. Van Gool, Truus Helsen* **"As Time Flies By: Mixed Image and Model-Based Rendering"**
18. *V. Vlahakis, A. Demiris, E. Bounos, N. Ioannidis* **"A Novel Approach to Context-Sensitive Guided e-Tours in Cultural Sites: "Light" Augmented Reality on PDAs"**

### **3.1.2. List of full papers at VAST2004 involving "associates"**

19. *D. Koutsonanos\*, K. Moustakas\*\*, D. Tzovaras\*, M.G. Strintzis* **"Interactive Cloth Editing and Simulation in Virtual Reality Applications for Theater Professionals"**
20. *G. Nikolakis, D. Tzovaras, S. Malassiotis, M. G. Strintzis* **"Simulation of Ancient Technology Works Using Haptic Interaction and Gesture Recognition"**

### **3.1.3. Short papers and other sessions**

In addition to the full paper presentations, there are expected to be a number of papers in the short papers and work in progress streams, involving EPOCH partners and several parts of the full program involve EPOCH workshops and working meetings.

**Table 2 VAST2004 provisional program**

The VAST 2004 programme is as follows:

**VAST 2004 Schedule, 6-10 Dec 2004, Brussels, Belgium**

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Monday, December 6, 2004 (optional)			
08:30 - 09:30	registration		
09:30 - 11:00	<u>Usability Tutorial</u>	<u>Standards Tutorial CIDOC/CRM</u>	EPOCH Integration meeting (Act. 2.1, 2.2, 2.3, 2.4)
11:00 - 11:30	coffee break		
11:30 - 12:30	<u>Usability Tutorial</u>	<u>Standards Tutorial CIDOC/CRM</u>	EPOCH Common Infrastructure meeting (Act. 3.3)
12:30 - 13:30	lunch break		
13:30 - 15:00	<u>Usability Tutorial</u>	<u>Standards Tutorial MPEG</u>	EPOCH Research Agenda meeting (Act. 2.5 + IST calls 4 & 5)
15:00 - 15:30	coffee break		
15:30 - 17:30	<u>Usability Tutorial</u>		EPOCH Newton meeting (Act. 3.1)
	free evening		

Tuesday, Dec 7, 2004			
08:30 - 09:30	registration		
09:30 - 11:00	<ul style="list-style-type: none"> <li>•</li> <li>Welcome statements</li> <li>•</li> <li>Invited speaker : <b>Patricia Manson</b> DG Information Society, European Commission <i>"Accessing our digital cultural heritage: the challenges and opportunities for ICT-based research through European Commission initiatives."</i></li> <li>•</li> <li>Invited speaker : <b>Neil Silberman</b> Coordinator of International Programs, Ename Center <i>"Beyond Theme Parks and Digitized Data: What Can Cultural Heritage Technologies Contribute to the Public Understanding of the Past?"</i></li> <li>•</li> </ul>		
11:00 - 11:30	coffee break		
11:30 - 13:00	Full Papers - session 1 : <a href="#">Avatars and virtual humans</a>	EPOCH showcases on VR	
13:00 - 14:00	lunch break		
14:00 - 15:30	Full Papers - session 2A : <a href="#">Museums and public archaeology applications</a>	Short Papers - session 2B	EPOCH showcases on archeology
15:30 - 16:00	coffee break		
16:00 - 17:30	Full Papers - session 3A : <a href="#">Data capture and 3D visualization</a>	Short Papers - session 3B	EPOCH showcases on Internet applications
17:30 - 19:00			

Wednesday, Dec 8, 2004			
08:30 - 09:30	registration		
09:30 - 11:00	Full Papers - session 4A : <a href="#">Shape reconstruction and modelling</a>	Short Papers - session 4B	EPOCH Workshop on Socio-economic model and SME involvement
11:00 - 11:30	coffee break		
11:30 - 13:00	Full Papers - session 5A : <a href="#">Multimedia and archaeological interpretation</a>	Short Papers - session 5B	EPOCH showcases on VR
13:00 - 14:00	lunch break		
14:00 - 15:30	Full Papers - session 6A : <a href="#">Storytelling and Learning</a>	Short Papers - session 6B	EPOCH showcases on archeology
15:30 - 16:00	coffee break		
16:00 - 17:30	Full Papers - session 7A : <a href="#">User Interface</a>	Panel on ICOMOS Ename Charter	EPOCH showcases on Internet applications
17:30 - 18:00	coffee break		
18:00 - 19:00	CHIRON meeting (by invitation only)		
19:00 - 20:00			
20:00 - 23:00	Conference Dinner		

Thursday, Dec 9, 2004	
08:30 - 09:30	bus trip to Oudenaarde
09:30 - 10:00	Welcome and registration
10:00 - 11:30	EPOCH General Assembly
11:30 - 12:00	coffee break
12:00 - 13:00	EPOCH General Assembly
13:00 - 14:00	lunch break
14:00 - 17:00	bus trip to Ename visit to Ename 974 project visit to restored Saint Laurentius Church
17:00 - 19:00	closing reception
19:00 - 20:00	bus trip to Brussels

Friday, Dec 10, 2004 (optional)	
09:30 - 11:00	SME Virtual Cluster meeting
11:00 - 11:30	coffee break
11:30 - 12:30	SME Virtual Cluster meeting
12:30 - 14:00	SME Virtual Cluster lunch
14:00 - 16:00	

### **3.2. CAA2005**

Plans for sessions at CAA2005 are gradually being formulated. It is currently still too early to report on the planned sessions.

## **4. Showcase Dissemination**

Apart from the planned sessions at VAST2004, EPOCH will also take the opportunity to meet with others working in cognate areas and to ensure that the work of EPOCH is known to influential groups as part of the dissemination and exploitation plans of the Network. To this end additional opportunities to make invited presentations and to display showcases will be sought in the next semester.

## **5. EPOCH “In collaboration” events**

A process will be established to allow those planning events to apply for “in cooperation” recognition by EPOCH and to use the EPOCH logo in publicity/web-sites etc. Potentially this recognition could be related to other aspects of EPOCH operations – for example, including the potential of partners to apply for bursaries to allow suitably qualified people to attend the courses programs associated with good quality conferences.

Two stands have been designed and built to allow EPOCH to be represented at other events. These stands have been used as described in D1.2.1 and will normally be present when EPOCH showcases are being exhibited and at “in collaboration” events.

## **6. Dissemination via the website and internet**

The presentations made by EPOCH partners will be routinely placed in the document section of the EPOCH website, or in the case of VAST full papers in the EUROGRAPHICS digital library. In addition, the website will be used for other forms of dissemination both within the consortium and more widely. For example the first data sets have been entered into the repository during the first semester and other data has been earmarked to be added as it is produced by brokerage activities. A portal to open source software is also being planned.

## **7. EPOCH Newsletter**

An electronic Newsletter is also planned to be issued starting in the second semester. This will be targeted mainly at partners, but will be distributed more widely.

## **8. Conclusions**

This report demonstrates that the EPOCH partners have substantial and continuing plans to disseminate the knowledge gained, and the results, from their work. These plans will continue to develop over the coming months.