



DIGITAL HERITAGE SUPPORT ACTIONS

CONCERTATION EVENT

BACKGROUND DOCUMENT

21 June 2001

**Festsaal des Bundesamtsgebäudes
Radetzkystrasse 2
A-1030 Vienna**

<http://www.cscaustria.at/events/supportactions3.htm>

bm:bwk

CSC AUSTRIA
Cultural Service Centre



OBJECTIVES

The objectives of the event are to discuss issues related to the current IST support actions and to look into emerging trends and future needs of these types of actions. Some of the issues that will be discussed are:

- Networks of excellence
- Technical cooperation (standards, interoperability, ...)
- Co-ordination with national programmes
- International cooperation
- Mobility / Skills / Training
- Information / Dissemination
- Socioeconomic frame
- Infrastructure and Test-beds
- Technology transfer
- Legal issues
- Business models



AGENDA

- 09:30 **Welcome**, P. Seitz , Bundesministerium für Bildung, Wissenschaft und Kultur, Austria.
- 09:45 **Introduction**, T. Bösser, ACit-Advance Concepts for interactive technology GmbH, Germany.
- 10:00 **Overview of different types of non research initiatives and trends for FP6**, B. Smith, European Commission.
- 10:30 Coffee.
- 11:00 Session 1. **Networks of Excellence / Co-ordination with national programmes / International cooperation**. Leader: D. Fuegi, MDR Partners, UK.
- Presentation of key issues.
 - Project presentations:
 - DELOS**, C. Peters, Consiglio Nazionale delle Ricerche, Italy.
 - PULMAN**, D. Fuegi, MDR Partners, UK.
 - ELSNET**, S. Krauwer, ELSNET/UiL OTS, The Netherlands.
 - DLM-Forum** , L. Kammerhoffer, Österreichisches Staatsarchiv, Austria.
 - Discussion.
- 12:00 Session 2: **Legal issues / Socioeconomic frame / Business models / Technology transfer**. Leader: Flavio Tariffi, Atlantis S.p.A., Italy.
- Presentation of key issues.
 - Project presentations:
 - TRIS**, F. Tariffi, Atlantis S.p.A., Italy.
 - RADICAL**, L. Goodman, The Institute for New Media Performance Research, UK.
 - EVAN**, G. Stanke, Gesellschaft zur Förderung angewandter Informatik e.V., Germany.
 - LIBECON**, D. Fuegi, MDR Partners, UK.
 - CLEF**, C. Peters, Consiglio Nazionale delle Ricerche, Italy.
 - Discussion.
- 13:00 Lunch.



- 14:00 Session 3: **Technical cooperation / Infrastructures and testbeds**. Leader: Seamus Ross, HATII, UK.
- Presentation of key issues.
 - Project presentations:
 - CHIOS**, S. Krause, Germanisches Nationalmuseum Nürnberg, Germany.
 - TEL**
 - VNET5**, E.-M. Melchior, ACit - Advance Concepts for interactive technology GmbH, Germany.
 - Discussion.
- 15:00 Session 4: **Information and dissemination / Mobility, skills and training**. Leader: Walter Koch, CSC-Cultural Service Centre Austria.
- Presentation of key issues.
 - Project presentations:
 - CULTIVATE**, Karin Hafner, CSC-Cultural Service Centre Austria.
 - CELIP**, S. Ianeva, American Center, Bulgaria.
 - HEREIN**, D. Thérond, Conseil de l'Europe & L. Lièvre, Ministère de la culture et de la Communication, France.
 - DIFFUSE**, M. Bryan, SGML Centre, UK.
 - Discussion.
- 16:00 Coffee
- 16:30 **Debate and wrap-up**, Thomas Bösser, ACit-Advance Concepts for interactive technology GmbH, Germany.
- 17:30 End

BACKGROUND DOCUMENT

To structure the discussion at the Digital Heritage Support Actions Concertation Event, which will be reported after the meeting, some of the issues and questions which are expected to arise are highlighted (taking the contributions received from participants into account), but not in a complete and exclusive fashion. Please come prepared to extend the list of topics to be considered during the meeting!

Two perspectives should be assumed at this moment of transition towards a new programme:

- ◆ Stocktaking (What has been achieved by support actions? Which mechanisms have proven successful? Where has scope for improvement been recognised?)
- ◆ Future needs and continuity, taking general trends and the changes from FW5 to FW6 into account.

Support actions have become an important instrument to complement the RTD actions in the Fifth Framework Programme. Support actions fill gaps where the actors in the programme (project consortia, commission services, experts and advisors) feel that additional contributions are essential for the success of the programme, but are not provided by the main actors as part of RTD projects.

Support actions, including those represented here, typically concentrate on several of the following tasks:

- ◆ Contribution to standards
- ◆ Dissemination of essential information, especially if this is not directly exploitable, to a wide audience, organisation of conferences and meetings
- ◆ Promotion of best practice and competence building
- ◆ Evaluation and benchmarking
- ◆ Market watch and technology monitoring
- ◆ Research into socio-economic aspects of applications based on new technology

The tasks allocated to support actions are sector specific, not only because the demands of different technologies and application domains have to be met, but also because the composition of consortia is sector specific, and the organisations represented see different tasks as part of their mission. Other reasons for implementing independent support actions are that the relevant competence is missing in consortia, or that organisational and legal situations provide no incentive for investing into certain areas within a research and development activity.



- ◆ Can we highlight the tasks which are specific in support actions in the Digital Heritage area?
- ◆ Which needs for cross-programme activities exist today, and where will new needs arise in future?
- ◆ Which tasks demand continuity?
- ◆ Which tasks are likely to be completed after the current RTD activities are completed?
- ◆ Which types of actions can demonstrate a clearly measurable, highly visible added value for the EU?
- ◆ Which needs will evolve in the future activities which are expected in FW6?

In FW6 Preservation of Cultural Heritage is a highlighted area of RTD, the result of which is described as "... intelligent systems for dynamic access to and preservation of tangible and intangible cultural and scientific resources". Some current activities may also be continued under the heading of knowledge and interface technologies, notably multilingual and multicultural access and communication "... meeting the ... requirements of all members of linguistically and culturally diverse communities".

The "proposal for a council decision for FW6" indicates major changes in the way RTD will be organised and managed, notably the move to larger projects and the decentralisation of responsibilities, and also the aim to pursue quantifiable objectives and manage success in terms of indicators and impact measures. The intended integrated projects will be larger, will be expected to fully cover the required domains of expertise, the countries in the EU and new member states, and also have clear links to relevant programmes in member states. International cooperation will also become more important.

A consequence is that these larger projects will be able to cover the domain of relevant activities much more completely, include those which today are carried out in support actions, and thus leave fewer gaps where independent support actions will be needed. The tasks which are today addressed by support actions may still span several projects (e.g. standardisation), and the need to support information exchange across projects will persist, but these will often be integrated into larger projects.

- ◆ Are there areas where the new type of projects may find it difficult to integrate the tasks which now are allocated to support actions (as in the case of evaluation and benchmarking, which require a certain independence)?
- ◆ Can effective benchmarks for support measures, their impact and their visibility be provided? (Which current experiences or approaches from other domains may be used?)
- ◆ How can the specific challenge for measuring impact in the Cultural Heritage area – where economic measures are not sufficient – be met? (The cultural competitiveness of Europe, partly independent from, but also a foundation for economic competitiveness, is recognised as a European strength, but certainly a challenge to measure!)



Additional activities foreseen in FW6 – for example SME related activities – may be “ ... entrusted to external organisations operating under the Commission's responsibility”. The draft programme also mentions support for stimulating increased involvement of participants from the candidate countries.

- ◆ Can experiences with the ongoing support actions indicate how these and other tasks can be supported in the best way?
- ◆ Can we suggest impact measures and relevant benchmarking indicators, possibly based on the experience with ongoing projects?
- ◆ How much advance planning will be needed to have new activities in place when FW6 is due to begin?

Tom Bösser, AciT-Advance Concepts for interactive technology GmbH
18 June 2001



Annex - INFORMATION ON SUPPORT ACTIONS



ACRONYM: **BIONET**
TITLE: Strategic Development of European Networks in Biomechanics
COORDINATOR: De Montfort University (UK)
OTHER PARTNERS:

Partic. Role*	Participant name	Participant short name	Country
P	Istituto Ortopedici Rizzoli	IOR	I
P	University of Brussels	ULB	B
P	ESI	ESI	F

Duration/dates 15 month

Objectives:

Biomechanics is a diverse, multidisciplinary area, which makes it difficult to ensure that its strategic development is coherent. The proposed project is designed to bring together the whole European biomechanics community - encompassing research, industrial, medical and educational aspects - to determine the priorities for its future development, to ensure that the community is fully aware of the possibilities offered by recent initiatives, and to create Working Groups in the strands that are identified as being most critical for the future development of the area.

Workpackage title	Lead contractor No
Co-ordination & management of the project	1
Logistic management of the Event	3
Scientific management of the Event	2
Post-Event support and exploitation	1
Dissemination	1
Assessment & Evaluation	1

Contact: Gordon Clapworthy, De Montford University, UK < gc@dmu.ac.uk >



ACRONYM: **CELIP**
TITLE: Central and Eastern European Licensing Information Platform
COORDINATOR: European Bureau of Library, Information and Documentation Association (NL)

OTHER PARTNERS:

Partic. Role*	Participant name	Participant short name	Country
P	Tuula Haavisto Library Knowledge T:mi	THLK	FI
S	Union of Library and Information Service Officers	ULISO	BG
S	Association of Library and Information Professionals of the Czech Republic	SKIP	CZ
S	Estonian Librarians Association	ELA	EE
S	Association of Hungarian Librarians	MKE	HU
S	Library Association of Latvia	LAL	LV
S	Lithuanian Librarians Association	LLA	LT
S	Polish Librarians Association	PLA	PL
S	Asociatia Bibliotecarilor din Invatamint	ABIR	RO
S	Slovak Library Association	SLA	SK
S	Union of Associations of Slovene Librarians	ZBDS	SI

Duration/dates 15 month; Start 1/10/2000

Objectives:

Electronic journals and other web products are a growing market. Citizens need more and easier access to electronic documents, and libraries play here the key role. This indicates changes in library purchasing. In the electronic environment, librarians not only buy physical objects like books, but also access to electronic material. For this, licensing agreements are needed. Licenses must be negotiated with international and national publishers. The whole growing market area, where libraries are important clients, is challenging to improve the professional skills of librarians. Acquisition of electronic journals has already started in Central and Eastern European libraries, but to enlarge this electronic market, more training is needed for librarians. CECUP L will support the improvement of the professional skills of librarians in C&EE in the area of licensing.

Work-package No	Workpackage title	Lead contractor No
1	Understanding the CEE situation in licensing (two phases)	THLK
2	Steering Group	THLK
3	Workshops on licensing in all accession countries	THLK
4	Discussion with rightowners	THLK
5	Promotion and continuation	THLK
6	Management and co-ordination	EBLIDA

Contact: Teresa Hackett, EBLIDA, ebldata@nblc.nl
<http://www.eblida.org/celip/>

ACRONYM: CHIOS
TITLE: Cultural Heritage Interchange Ontology
Standardization
COORDINATOR: Foundation for Research and Technology (EL)
OTHER PARTNERS:

Participant No.	Participant name	Participant short name	Country
2	Germanisches Nationalmuseum	GNM	D
3	MDA (Europe) Ltd.	MDA	UK
4	The National Museum of Denmark	NMD	DK
5	The Research Libraries Group, Inc	RLG	US
6	Paveprime Limited	PPL	UK

Duration/dates 24 month: Start 1/6/2001

Objectives:

The CRM is the first formal ontology aimed at facilitating interchange and interoperability of cultural heritage information between museums, libraries and archives. Developed by the ICOM/CIDOC Documentation Standards working group, it is currently under evaluation by ISO as a potential international standard. Acceptance by ISO will give the model a formal international status and ensure its long term availability to users and implementers. In its current state, the CRM is biased towards requirements of fine arts collections. The present network is aimed at broadening the scope of the model to cover the needs of all kinds of museums and their communications with libraries and archives. This network of stakeholders will directly support the ISO process through research, dissemination preparation of documentation and participation in the work of the ISO adhoc group. Participants will also make use of their spheres of collaboration.

Work-package No	Workpackage title	Lead contractor No
WP1	Project Management	1
WP2	Requirements analysis	6
WP3	Conception and development	1
WP4	Documentation and diffusion	3

Contact: Martin Doerr, Forth, Greece martin@ics.forth.gr

ACRONYM: **CHIP**
TITLE: Consumer Hybrid Information Products and Services
COORDINATOR: ECOLE NATIONALE SUPÉRIEURE DE CRÉATION INDUSTRIELLE-LES ATELIERS (F)

OTHER PARTNERS:

Role	Country	Participant
CO	F	ECOLE NATIONALE SUPÉRIEURE DE CRÉATION INDUSTRIELLE-LES ATELIERS
CR	UK	UNIVERSITY OF BRADFORD
CR	D	DESIGN ZENTRUM NORDRHEIN WESTFALEN E.VEREIN
CR	FIN	UNIVERSITY OF ART AND DESIGN HELSINKI UIAH
MB	F	CS SYSTÈMES D'INFORMATION
MB	F	THOMSON MULTIMEDIA
MB	F	ALCATEL BUSINESS SYSTEM
MB	F	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
MB	F	POLE UNIVERSITAIRE EUROPÉEN DE NANCY-METZ
MB	B	LIMBURGS UNIVERSITAIR CENTRUM
MB	IRL	DUBLIN INSTITUTE OF TECHNOLOGY
MB	E	UNIVERSITAT POMPEU FABRA
MB	UK	WAVECREST SYSTEMS LTD
MB	F	ECOLE NATIONALE SUPÉRIEURE D ARTS ET MÉTIERS
MB	UK	BRITISH STANDARDS INSTITUTION
MB	F	UNIVERSITÉ PIERRE ET MARIE CURIE
MB	F	INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE
MB	-	RENAULT
MB	F	RÉGIE AUTONOME DES TRANSPORTS PARISIENS
MB	D	FROG DESIGN GMBH

Duration/dates 36 month

Objectives:

CHIPS is a Working Group to define the RTD issues relating to the creation of future Consumer Hybrid Intelligent Products and Services, with a particular emphasis on factors of design, content, market, social and environmental impact. It stresses the importance of creative professionals and interdisciplinary research. The three year work programme is designed to shape the RTD agenda for intelligence hybrid products and services in a future environment of ambient intelligence and construct partnerships between design academies, universities, research centres and industrial companies for executing the agenda through subsequent RTD and professional training. CHIPS focuses on information gathering, agenda building, standards input, interdisciplinary best practice and the wide dissemination of results to the Commission, research programmes, the design, research and industrial communities.

Contact: < gauvin@ensci.com >



ACRONYM: **CLASS**
TITLE: Collaboration in Language and Speech Science and Technology
COORDINATOR: University of Southern Denmark (DK)

OTHER PARTNERS:

CR	2	D	Deutsches Forschungszentrum fuer Kuenstliche Intelligenz GmbH
CR	3	I	ISTITUTO TRENINO DI CULTURA
CR	4	F	Centre National de la recherche Scientifique

Duration/dates 24 month

Objectives:

CLASS intends to promote and coordinate the HLT project clusters which will be established following the IST'99 call. Four clusters are envisaged, on cross-lingual knowledge management, intelligent interactive language and multimedia systems, speech and language technology evaluation, and natural (multimodal) interactivity. CLASS aims to tap the benefits deriving from synergy and critical mass of research carried out in clusters, and from the complementary knowledge, expertise and know-how represented in projects. CLASS will optimise the value added through cluster coordination by undertaking activities according to the criteria of: economy of scale; impact and results take-up; visibility; best practice and standardisation. Cluster coordination will involve communication and collaboration within the individual clusters collaboration and collaboration with third parties, communication of cluster activities and results to the outer world, and liaison with the Commission.

Contact: nob@nis.sdu.dk

<http://www.class-tech.org/>

ACRONYM: CLEF
TITLE: Cross Language Evaluation Forum
COORDINATOR: Consiglio Nazionale delle Ricerche (I)
OTHER PARTNERS:

Parti c. Role *	Participant name	Participant short name	Country
P	InformationsZentrum Sozialwissenschaften der Arbeitsgemeinschaft Sozialwissenschaftlicher Institute e.V.	IZ	D
P	Eurospider Information Technology AG	EIT	CH
P	Fundacion Universidad Empresa	UNED	E
P	National Institute of Standards and Technology	NIST	US
P	European Language Resources Distribution Agency	ELDA	F

Duration/dates 30 month; in negotiation

Objectives:

The project aims at supporting multilingual information access to European digital libraries by providing a platform for the evaluation of monolingual and cross-language information retrieval systems. The technical infrastructure will include an evaluation protocol and metrics and a testbed of multilingual training and testing data. Two evaluation campaigns will be organised and the results will be analysed and discussed at annual workshops. Collaborative links will be established with similar system evaluation initiatives in the us and Asia, working on other sets of languages. The end-product will be test-suites of reusable electronic resources that can be used by system developers for benchmarking purposes. The goal is to assist European cross-language system development in order to guarantee its competitiveness on the global market.

Work- package No	Workpackage title	Lead contractor No
WP1	User Needs	4
WP2	Evaluation Infrastructure	3
WP3	Test Data	2
WP4	Evaluation Campaigns	1
WP5	Exploitation and Dissemination	6
WP6	Management	1

Contact: Carol Peters, Consiglio Nazionale delle Ricerche, Italy < carol@iei.pi.cnr.it >
<http://www.iei.pi.cnr.it/DELOS/CLEF/>



ACRONYM: CULTIVATE (EU part)
TITLE: Cultural Heritage Applications Network
COORDINATOR: Ehemaliges Deutsches Bibliotheksinstiut (D)
OTHER PARTNERS:

Participant name	Participant short name	Country
The Library Council	CL	IRL
Institute for Learning and Teaching Research Technology, University of Bristol (subcontractor to CL)	ILRT	UK
Library and Information Commission	LIC	UK
University of Bath	UKOLN	UK
Cultural Service Centre Austria	CSC Austria	A
Riksbibliotektjenesten	RBT	NO
Biblioteca Nacional	BN	E
Osservatorio dei programmi internazionali per le biblioteche	OPIB	IT
Fundo de Fomento Cultural	FFC	P
Kungl.biblioteket	KB	S
University of Helsinki	HUL	FIN
Federal Office for Scientific, Technical and Cultural Affairs	OSTC	B
Ministry of National Education and Religious Affairs	MINERA	EL
Subdireccion General de los Archivos Estatales	SGAE	E
Subdireccion General de los Museos Estatales	SGME	E

Duration/dates 36 month; Start 1/2/2001

Objectives:

CULTIVATE will establish a European Cultural Heritage Network consisting of 13 partners covering 12 European Member States. As an accompanying measure of Key Action III "Multimedia Content and Tools" of the IST programme CULTIVATE will set up nodes with representatives from all relevant memory institutions and organisations (in particular from archives, libraries, museums, publishers and the multimedia and book-trade) in each participating country. Through various means (web-pages, interactive web-magazine, e-mail info-service, information days for proposers, individual advice, proposals pre-screening, etc.) CULTIVATE aims:

- to raise the awareness of the IST Programme for the development and the use of cultural heritage applications in all memory institutions in Europe,
- to support (potential) proposers in preparing and submitting a proposal,
- to strengthen the involvement in the development and the use of innovative cultural heritage applications in each participating country,
- to foster the dissemination and exploitation of project results at national level,
- to facilitate and to speed up the communication and information exchange between European and national authorities, administrative bodies, professional associations and institutions.

Work-package No	Workpackage title	Lead contractor acronym
1	Establishing the networks	EDBI
2	Dissemination and information work	CL
3	CULTIVATE-EU-MAG	UKOLN
4	Supporting participation	EDBI
5	Policy monitoring	RBT
6	Management	EDBI

Contact: Klaus Reinhardt, EDBI, Germany < reinhardt@dbi-berlin.de >
<http://www.cultivate-eu.org/>



ACRONYM: **CULTIVATE (CEE part)**
TITLE: Cultural Heritage Applications Network
COORDINATOR: The British Council (UK)
OTHER PARTNERS:

CR	Nicolas Copernicus University	NCU	PL
CR	Head Office of State Archives	NDAP	PL
CR	Museum of Art Lodz	MAL	PL
CR	The Library Council	CL	IRL
CR	Resource: The Council for Libraries, Museums and Archives	RESOUR RCE	UK
CR	University of Bath	UBAH	UK
CR	Cultural Service Centre Austria	CSC	A
CR	Riksbibliotekstjenesten	RBT	NO
ME	Institute for Learning and Teaching Research Technology, University of Bristol (subcontractor to CL)	ILRT	UK
ME	Central Library of the Bulgarian Academy of Sciences	CL-BAS	BG
ME	Institute of Cultural Memory	CIMEC	RO
ME	Vilnius University	VU	LT
ME	Ministry of Cultural Heritage (Hungary)	NEKOM	HU
ME	Institute of Baltic Studies	IBS	EE
ME	Institute of Mathematics and Computer Science, University of Latvia	IMCS	LV
ME	Narodni Muzeum (National Museum, Prague)	NM	CZ
ME	University Library Bratislava	UKB	SK
ME	Ministry of Culture (Slovenia)	MC	SI
ME	MDR Partners	MDR	UK

Duration/dates 24 month; Start 1/4/2001

Objectives:

CULTIVATE-CEE will establish a European Cultural Heritage Network in the ten Central and Eastern European Associated States. An Accompanying Measure to Key Action III - Multimedia Content and Tools of the IST Programme, CULTIVATE-CEE will aim to set up nodes with representatives from all relevant memory institutions and organisations (in particular from archives, libraries and museums) in each country. Through a variety of means (Web pages, interactive Web magazine, email information service, information days for proposers, etc.), CULTIVATE-CEE aims to raise awareness of the IST Programme and to support potential proposers in preparing and submitting a proposal and to create a pan-European network of cultural heritage nodes.

Work-package No	Workpackage title	Lead contractor acronym
1	Establishing the networks	MDR
2	Dissemination and information work	CL
3	CULTIVATE-MAG	UBAH
4	Supporting participation	MDR
5	Policy monitoring	RBT
6	Management	MDR/BC

Contact: David Fuegi, MDR Partners, UK < david@fuegi.demon.co.uk >
<http://www.cultivate-eu.org/>

ACRONYM: **DELOS**
TITLE: A Network of Excellence on Digital Libraries
COORDINATOR: European Research Consortium for Informatics and Mathematics (F)

OTHER PARTNERS:

Part Role	Participant name	Participant short name	Country
M	Consiglio Nazionale delle Ricerche – Istituto di Elaborazione della Informazione	CNR-IEI	I
M	Centrum voor Wiskunde en Informatica	CWI	NL
M	Foundation for Research and Technology - Hellas	FORTH	EL
M	Forschungszeentrum Informationstechnik	GMD	D
M	Institut National de Recherche en Informatique et en Automatique	INRIA	F
M	Swedish Institute of Computer Science	SICS	S
M	Federal Institute of Technology	ETHZ	CH
M	Norwegian University of Science and Technology	NTNU	NO
M	Magyar Tudományos Akademia – Számítástechnikai és Automatizálási Kutató Intézet	MTA SZTAKI	HU
M	Technical University of Crete	TUC-MUSIC	EL
M	University of Athens	UoA	EL
M	University of Dortmund	UniDO	D
M	Bavarian Research Centre for Knowledge-Based Systems	FORWISS	D
M	Politecnico di Milano	POLIMI	I
M	Austrian Academy of Sciences	OEAW	A
M	University of Mannheim	UNI MA	D
M	InformationsZentrum Sozialwissenschaften Bonn	IZ	D
M	Eurospider Information Technology	EIT	CH
M	SPRINGER-VERLAG GmbH&Co. KG	SPRINGER-VERLAG	D
M	Elsevier - Science	ELSEVIER	NL
M	Istituto Centrale per il Catalogo Unico delle Biblioteche Italiane e per le Informazioni Bibliografiche	ICCU	I
M	Biblioteca Nacional	BN	P
M	Ministero per i Beni e le Attività Culturali	MBAC	I
M	Arts and Humanities Data Service	AHDS	UK
M	INTRACOM	INTRACOM	EL
M	British Broadcasting Corporation - Information and Archives	BBC	UK
M	Institute for Problems of Informatics of the Russian Academy of Science	IPI - RAS	RU

Duration/dates 36 month, Start 1/1/2000

Objectives:

It will provide a context where an international research agenda and constitute a reference point for DL projects funded by the 5th FP-IST, stimulating the exchange of experiences in this multidisciplinary area. It will make testbeds available, facilitate their interoperability, and provide mechanisms for the evaluation of models, techniques, and approaches, and the exchange of open-source software components. It will contribute to the definition of relevant standards. Appropriate take-up models will be developed to facilitate the exploitation of DL technologies by industry. A network of links with the international research community will be created. The activities will be organized into five Forums: DL Research, Evaluation, Standardization, Dissemination and Technology Transfer, International Cooperation.



Work-package No	Workpackage title	Lead contractor No
WP1	Digital Library Research Forum	12
WP2	Digital Library Evaluation Forum	13
WP3	Standardization Forum	5
WP4	Training and Technology Transfer Forum	6
WP5	International Cooperation Forum	2
WP6	Dissemination	1
WP7	Assessment	1
WP8	NoE Management	1

Contact: Costantino Thanos, Consiglio Nazionale delle Ricerche (IEI-CNR), Italy <
Thanos@iei.pi.cnr.it>
<http://www.ercim.org/delos/>



ACRONYM: **DIFFUSE**
TITLE: Guiding you through the Information Society
Standards Maze
COORDINATOR: TIEKE, FI
OTHER PARTNERS: IC Focus (UK)
The SGML Centre (UK)

Objectives:

The DIFFUSE project will provide IST participants with a single reference point for neutral information on currently available, and forthcoming, standards and specifications that are suitable for electronic interchange of multimedia and other forms of commercially relevant data over networks such as the Internet. In addition, the project will provide regular reports on the activities of those developing standards and specifications that are relevant content and electronic commerce providers and users, and those responsible for ensuring that data can be distributed over networks. The DIFFUSE project will also provide a set of business guides and case studies that will help IST participants to evaluate the benefits that adopting existing or new standards could bring to their projects. The project will organise regular events to promote and disseminate the use of standards and specifications within RTD and European industry.

Contact: Martin Bryan, The SGML Centre, UK, < mtbryan@diffuse.org >
<http://www.diffuse.org/>



ACRONYM: **ELSNET-3**
TITLE: Elsnet, the European Network of Excellence in Human Language Technology
COORDINATOR: Utrecht University (NL)
OTHER PARTNERS:

Role	Country	Participants
MB	D	VDI/VDE TECHNOLOGIEZENTRUM INFORMATIONSTECHNIK GMBH

Duration/dates 24 month

Objectives:

We propose to operate a network of excellence for HLT, which builds on the existing ESPRIT LTR NETWORK ELSNET. The network will support the HLT programme by means of a number of services and actions, focusing on transfer of knowledge and expertise (e.g. training, information dissemination, referral services), evaluation (towards a European evaluation infrastructure), resources (exploration of new resource types and annotation schemes), best practice and standards (repositories), and R&D road maps (technology watch, research priorities). There will be a special focus on interdisciplinary actions, and international collaboration with non EU countries. The fact that ELSNET already exists as fully operational network, with 136 key academic and industrial players as its members, will ensure broad support from field, and a seamless transition into FP5.

Contact: S. Krauwer, Utrecht University, NL < steven.krauwer@elsnet.org >
<http://www.elsnet.org/>

ACRONYM: **EMII-DCF**
TITLE: European Museums' Information Institute:
Distributed Content Framework
COORDINATOR: European Museums' Information Institute (UK)
OTHER PARTNERS:

Participant Role	Participant name	Participant short name	Country
MB	Mission de la recherche et de la technologie	MRT	FR
MB	The Danish National Council of Museums	SMN	DK
MB	Museum Documentation Association	Mda	UK
MB	National Council for Cultural Affaires	SK	SE
MB	Museu Nacional do Azuleju	MNA	PT
MB	Science Museum	Scm	UK
MB	British Library	BL	UK
MB	British Broadcasting Corporation	BBC	UK
MB	ADLIB Information Systems BV	Adlib	
MB	National Board of Antiquities	NBA	FI
MB	Museum Copyright Group	MCG	UK

Duration/dates 18 month / in negotiation

Objectives:

EMII proposes a preparatory support action in order to establish a working model for the distributed provision of content of multiple types (including film, video, text and images) from multiple sources (including museums, broadcasters, libraries and archives) for the purposes of EC funded research projects. EMII will work together with partners from libraries, museums, broadcasters and the legal profession in order to establish the requirements of researchers. We will identify the specific issues that a whole range of content holders need to have addressed before they make the content in their care available for research purposes. Based on the resulting reports a set of provisional legal and technical conditions will be produced. National expert focus groups will comment on these. In the future content holders and researchers will be required to sign up to these conditions in the event of a distributed content repository being funded.

Work-package No	Workpackage title	Lead contractor No
WP1	Content Creation Analysis	2
WP2	Legal Requirements	3
WP3	Standard Requirements	4
WP4	Dissemination	5
WP5	Project Management	1

Contact: Louise Smith, EMII, UK < lsmith@mda.org.uk >



ACRONYM: **EVAN**
TITLE: Electronic Imaging & Visual Arts Networking
COORDINATOR: National Museums of Scotland (UK)
OTHER PARTNERS:

Participant's Role	Participant's Name	Participant's Short Name	Country
P	University of Florence	UoF	Italy
P	Gesellschaft zur Förderung angewandter Informatik e.V.	GFai	Germany

Duration/dates 24 month; Start 1/1/2000

Objectives:

EVAN aims to help achieve European leadership internationally in the growing 'Culture x Technology' field both non-profit and industrial. It builds on the 3 most Successful European EVA Conferences in the Med, Central & N European regions plus those in Japan, Russia and USA and the existing Websites. Special attention is paid to dissemination and exploitation help for some 50 EC RTD projects plus local & regional projects. Novel elements include at least six Virtual Exhibitions over 2001/2002, the experimental application of emerging RTD results to conference planning and execution, extensive full paper on-line multi-lingual publishing and measures to help new start-ups, SME growth, labour training and mobility. EVAN also targets EU accession countries in Central/E Europe and Mediterranean and holding the first major 'Culture x Technology' Conference in the S Hemisphere.

WP No:	Workpackage Title	Lead ContractorNo
WP1	User & Market Surveys & EU & International Liaison	3
WP2	EC R&D Projects Scientific, Technological & Exploitation Co-operation Support	2
WP3	Exploitation & Improvement of EVA Conferences in EU	2
WP4	Exploitation & Improvement of EVA Conferences Outside the EU	1
WP5	EVA Website Improvement & Other Publication Activities	1
WP6	Innovative Experimental Application of Technology R&D Results for EVA Conferences	3
WP7	Advanced Symposia on Selected 'Science & Technology and Cultural & Scientific Heritage'	3
WP8	Strategic Review & New Initiatives	2
WP9	Project Management	1
WP10	Assessment and evaluation	1

Contact: James Hemsley, National Museum of Scotland, UK < jamesrhemsley@cix.co.uk >
<http://www.vasari.co.uk/>



ACRONYM: **HEREIN**
NAME: **EUROPEAN HERITAGE NETWORK**
COORDINATOR: Association de Partenaires de la Fondation Européenne pour les Métiers du Patrimoine (FR)

OTHER PARTNERS:
CORTEAM (FR)
Association pour le Développement des Entreprises et des Compétences (FR)
Ministère de la Culture et de la Communication - Direction de l'Architecture et du Patrimoine France (FR)
Ministerio de Educación Cultural y Deporte, The Sub-Directorate General for Protection of the Historical Heritage, Spain (ES)
Department for Culture, Media and Sport - English Heritage (UK)
Ministry of the Environment Riksanantikvaren, The Directorate for Cultural Heritage, The Department for Information Services (NO)
Országos Műemlékvédelmi Hivatal (The National Office for the Protection of Historic Monuments (Hungary)
CINDOC (ES)
The Cultural Heritage Administration Ministry of Culture (Uprava Republike Slovenije za kulturno dediščino) (Slovenia)
Afdeling Monumenten en Landschappen (Service for Monuments and Sites) (BE)
INDRA (ES)

Duration/dates 15 month / in negotiation

Objectives:

HEREIN 2 aims at disseminating the results of the HEREIN project of the IV FWP. TAP programme (Contracts AD 4004 and IN 4004). The later set-up a new frame of co-operation between European governmental bodies in charge of cultural heritage preservation and conservation. Standards for information exchange through national reports on heritage policies and thesaurus as well as best practice work will be further strengthened and disseminated. In this way, authorities, professionals, researchers and training specialists of EU and newly Associated States will keep in touch with cultural heritage policies and developments in other countries. The HEREIN project team will transfer the know-how acquired in developing the HEREIN project by extending its network to new countries and training further national correspondants on national policy reports and construction and management of multilingual thesaurus in the field of cultural heritage.

Work-package No	Work package title	Lead contractor No
1	Management & Promotion	1
2	Spanish access to european-heritage.net	4
3	Dissemination to new countries	1
4	Thesaurus revision, update and transfer of know-how	5
5	XML_DTD experiment	3
6	Portal & News	6

Contact: D. Thérond, Association de Partenaires de la Fondation Européenne pour les Métiers du Patrimoine (FR) < Daniel.THEROND@coe.int >
<http://www.european-heritage.net/>



ACRONYM: **HeritageNet 2**
TITLE: Network of Cultural Institutions in Central Asia 2
COORDINATOR: United Nations Educational, Scientific and Cultural Organisation, UNESCO (F)
OTHER PARTNERS: Universitat Oberta de Catalunya (ES)

Duration/dates 14 month / in negotiation

Objectives:

The HeritageNet programme promotes advanced management and dissemination techniques in Central Asian cultural institutions. Cataloguing software is being applied in 5 large Central Asian museums to create digital repositories. This Accompanying Measure makes a logical step forward: providing quality training and distance training to Central Asian professionals by EU partners experienced in IST techniques for quality multimedia production, dissemination and integration into international networks. This knowledge will then be transferred to a wider base of cultural institutions in Central Asia representing a strategic advance in the application of IST skills. HeritageNet, through IST, reflects the ancient Silk Road, replacing the flow of spices and silk between East and West with a flow of information and images of Central Asia's cultural treasures, to help confirm EU/Central Asia co-operation and achieve an inclusive European digital landscape.

Work-package No	Workpackage title	Lead contractor No
WP1	Project Management	C 1
WP2	Project Strategy and Dissemination	C1
WP3	Human capacity Building	C2
WP4	Content Development	C1
WP5	Infrastructure Building	C1

Contact: René Cluzel, UNESCO < r.cluzel@unesco.org >

ACRONYM: LIBECON
TITLE: Monitor of European Library Economics for
International Benchmarking
COORDINATOR: The Institute for Public Finances (UK)

Duration/dates 36 months / in negotiation

Objectives:

An established web-site (www.libecon2000.org) forms the hub for a survey of the activities and expenditures of all libraries in the EU member states and 15 other European countries. It is proposed to extend the existing series (dating from 1991) for a further three years (2001-2003) to assist policy makers in each country to monitor their activities and compare their progress against the international benchmarks. To add value to the series, it is proposed to extend the surveys beyond the 30 European countries included in the existing holding to other OECD member countries. This will provide useful dimension for the European benchmarks. Outputs will be shared with other major interested parties (UNESCO, IFLA, Eurostat). The feasibility of adopting the same approach for the collation of international statistics for museums and archives will also be undertaken.

Work-package No	Workpackage title	Lead contractor No
1	Consolidating the database and website	IPF
2	Enlarging the network	IPF
3	Surveys in 2001, 2002, 2003	IPF
4	Analysis, synthesis and publicising of results	IPF
5	Feasibility study	IPF
6	Management and coordination	IPF

Contact: Philip Ramsdale, Institute for Public Finances, UK < PR@ipf.co.uk >
www.libecon2000.org

ACRONYM: **MULTIPRO**
TITLE: A Publishing and Management System for Cross-Media Teamwork at Remote, Mobile and Heterogenous Workplaces in Multimedia Broadcast Organisations
COORDINATOR: Sender Freies Berlin (D)

OTHER PARTNERS:

Part Role	Part N°	Participants	Country
AC	2	ALTUS Analytics GmbH	D
CR	3	RADIO TELEFIS EIREAUW	IRL
CR	4	Pixelpark GmbH	D
AC	5	pixelpark-mmk ag	CH
AC	7	TECMATH GmbH & Co. KG	D
CR	8	COMVERSE INFOSYS LTD	IL

Objectives:

Multipro develops a distributed online based production/management system for rich media services (video, audio, text/graphics). Providers of these services are broadcasters that change from audio/video to rich media broadcasters. This requires tools / systems for broadcasting production teams that enable flexible cross-media publishing from remote, mobile, heterogenous workplaces. This also needs to support Internet related workflows/real-time information sharing. Multipro developer objectives are: development of (1) an enhanced media archive system, (2) a cross-media glueware/broadband personalisation tool, (3) an automated content management tool for distributed audio archives. User objectives are: trialing of (1) cross-media, mobile, teamwork based workplaces publishing, (2) multi-disciplinary team publishing for personalised broadband,(3) heterogenous content publishing for cross-media streaming.

Contact: Anke Gaiser, SFB Online Koordination, Germany < anke.gaiser@sfb.de >
<http://www.multipro.org>

ACRONYM: **PULMAN**
TITLE: Public Libraries Mobilising Advanced Networks
COORDINATOR: Antwerp (B)
OTHER PARTNERS:

Par Role	Participant name	Participant short name	Country
CR	Aarhus Kommunes Biblioteker	Aarhus	DK
CR	Manchester Metropolitan University	CERLIM	UK
CR	Biblioteca Judeatana «Octavian Goga »	CLUJ	RO
CR	Dublin City Corporation Public Libraries	Dublin	IRL
CR	European Bureau of Library, Information and Documentation Assoc.	EBLIDA	NL
CR	MDR Partners	MDR	UK
CR	Essex County Council	Essex	UK
MB	Stichtin Fondation Ressource Centre Libraries for Handicapped in Developing Countries	Force	NL
CR	Helsingin Kapunki	Helsinki	FI
MB	Int. Association of Music Libraries, Archives and Documentation Centres	IAML	UK
CR	Knjiznica Otona Zupancica	Ljubljana	SI
CR	Camara Municipal De Oeiras	Oeiras	P
MB	The pPublic Provincial Library in Olsztyn	Olsztyn	PL
MB	Veria Central Public Library	Veria	EL
CR	Aqutaine Europe Communication	Acquitaine	F
CR	Stadtbibliothek Bremen	Bremen	D
CR	Amitie srl	Amite	I

Duration/dates 24 month; Start 1/5/2201

Objectives:

Europe 's public libraries have an important role to play in the implementation of key policies central to the development of e-Europe. There is a pressing need to spread strategic initiatives adopted in some countries across all of Europe and to support implementation in the form of innovative and relevant new services. 1. Consolidating, packaging, and translating relevant social and technical standards and best practice in the form of guidelines. 2. Disseminating information on innovation in public libraries and promoting knowledge transfer about good practice in library policymaking and service development. 3. Providing policy support for public libraries and stimulating cross-sectorial strategic development with other cultural institutions.

Work-package No	Workpackage title	Lead contractor No
WP1	Social Digital Guidelines Manuals	10
WP2	Technical Digital Guidelines Manuals	8
WP3	Policy support and cross sectoral constituency development	6
WP4	Dissemination	13
WP5	Management of the Network of Excellence	1

Contact: Jan van Vaerenbergh, Stadt Antwerp, Belgium <
jan.vanvaerenbergh@cs.antwerpen.be >

ACRONYM: **RADICAL**
NAME: Research And Development Informed by Creative Arts Labs
COORDINATOR: University of Surrey (UK)
OTHER PARTNERS:

Part.R ole	Country	Participants
CR	UK	ARTEC (ISLINGTON) LTD.
CR	F	SYNDICAT MIXTE POUR L'ECOLE DE L'IMAGE
CR	NL	THE SOCIETY FOR OLD AND NEW MEDIA
CR	IRL	SEAGRANGE LTD

Objectives:

RADICAL is a working group supporting research and development in the area of authoring and design systems. It will provide an important platform for exploring next generation practice and product for interactive publishing and for evaluating and demonstrating new tools and techniques for content creation. It will foster the emergence of a sustainable community of active research collaborators from the ICT and creative industries and will establish a platform for collaboration and consensus building between the creative professional, academia and the R&D community. RADICAL will help creative professionals, artists and independent media and cultural organisations to become more aware of and better prepared for participation in IST projects. It will foster the development of a digital seedbed from which new relationships and projects will emerge.

Contact: Liz Goodman, University of Surrey < l.l.goodman@surrey.ac.uk >



ACRONYM: **SCHEMA**
TITLE: FORUM METADATA SCHEMA
COORDINATOR: Pricewaterhouse Coopers NV (L)
OTHER PARTNERS:

Role	Nr.	Country	Participants
CR	2	D	GMD - Forschungszentrum Informationstechnik GmbH
CR	3	UK	University of Bath

Duration/dates 23 month; Start 1/2/2000

Objectives:

SCHEMAS is a training measure under Accompanying Measures for Key Action III - Multimedia Content and Tools - of the IST programme, as defined in the 1999 workprogramme under section VIII.3.1.

SCHEMAS aims to develop a knowledge base and training materials for the design of metadata schemas and to promote international consensus-building in standards development.

Contact: < schemas@ukoln.ac.uk >
<http://www.schemas-forum.org/>



ACRONYM: **TEL**
NAME: The European Library
COORDINATOR: The British Library (UK)
OTHER PARTNERS:

Participant Role	Participant Name	Participant Short Name	Country
CR	Die Deutsche Bibliothek	DDB	D
CR	Koninklijke Bibliotheek	KB	NL
CR	University of Helsinki	HUL	FIN
CR	Biblioteca Nacional	BN	P
CR	Biblioteca Nazionale Centrale Firenze	BNCF	I
CR	Bibliothèque Nationale Suisse	SNL	CH
CR	Narodna in Unverszitetna Knjiznica v Ljubljani	NUK	SI
CR	Instituto Centrale per il Catalogo Unico	ICCU	I
CR	Conference of European National Librarians	CENL	NL

Duration/ dates 30 month / Start 1/2/2001

Objectives:

The aim of the project is to develop a pan European distributed digital library with integrated multi-lingual access, based on European national digital collections, hospitable to other resources and widely accessible to European citizens. The project will resolve significant issues in usability, access to digital objects, scalability, interoperability, business aspects and contribute significantly to the development of infrastructure and the building of content. Its innovations are as follows: -integrated access on a European scale to distributed electronic resources -a dual approach of distributed searching and aggregated indexing -new persistent portal services offered to citizens for exploitation of digital resources in innovative and personalised ways.

Workplan:

Work Package No.	Work Package Title	Lead Contractor
1	Publisher Relations	KB
2	Business Plan	BL
3	Metadata	KB
4	Interoperability Testbeds	DDB
5	Disseminaiton	DDB
6	Management	BL

Contact: Peter Dale, The British Library, UK < Peter.Dale@bl.uk >
<http://www.europeanlibrary.org/>



ACRONYM: **TRIS**
TITLE: Trials Support: supporting and facilitating the execution of IST TRIAL actions by encouraging standardisation, synergy, technology transfer and exploitation
COORDINATOR: F2 .r.l.

Duration/dates 24 month / In negotiation

Objectives:

The TRIS measure will provide assistance to the TRIAL projects submitted under the 4th IST Call in the III.1.5 AL. It will analyse the portfolio of selected projects and identify relevant clusters among them to increase their impact and to help them reach critical mass. TRIS will catalyse their opportunities to produce viable and standardised solutions, effectively approaching the markets in Europe and the neighbouring areas. It will heighten their profile through their collective dissemination and promotion to national and international bodies and the media. At the same time, it will analyse and reconsider the TRIAL format in itself and the related submission/evaluation process, providing contributions to its streamlining and promotion to foster a wider and more informed participation in future Calls. It will also help identify priorities at the national and international levels in relation to the research objectives in the 6th FP.

WP No	Workpackage title	Lead contractor No
1	Project management	1
2	Scenario analysis and cluster creation	1
3	Standardisation, synergy creation and technology transfer	1
4	Dissemination, consensus building, international promotion	1
5	Assessment, evaluation and recommendations	1

Contact: Flavio Tariffi, F2 .r.l. , Italy < ftariffi@texnet.it >



ACRONYM: VNET5
TITLE: Advancing User-Centred Product Creation in Interactive Electronic Publishing

COORDINATOR: ACit GmbH (Germany)

Duration/dates 24 month

Objectives:

The VNET 5 working group will advance user-centred product creation in interactive electronic publishing, KA III.1.2 "personalisation". Success depends strongly on user acceptance, and state-of-the-art user validation in RTD projects and trials generates information to feed back to adapt new solutions to user needs. To overcome the known difficulties of projects in implementing user validation, a working group will be set up, led by organisations with strong experience in the field. Activities will be workshops, development of a common approach to user validation, coaching and the analysis of generic user requirements. Results will be a demonstrable, measurable improvement in the quality of user validation, a widely disseminated common approach to user validation (VNET website), documented generic user requirements, and guidelines and checklists to trace those in IEP projects.

Contact: E. Melchior, ACit GmbH , Germany < em.melchior@arcormail.de >