

Annex 1

Description of Work

(Thematic Networks)

[Grant Agreement Number 52001]

EDLnet European Digital Library Network



eContentplus

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1 *Project Summary*

Consistent with the i2010 digital library initiative, this thematic network will build consensus to create the European Digital Library. It will find solutions to the interoperability of the cultural content held by European museums, archives and libraries in the context of The European Digital Library. No solution can be imposed from above and progress can only be made by consent. There is a need to establish a confident personal network between the institutions and to undertake a specific professional and technical dialogue to find common solutions to create interoperability, sustainable governance, organisation and business models. A specific objective of the network is to clear the ground to be able to propose one or more separately funded practical implementations of the European Digital Library. The network will work in harmony with the Strategy Group for coordinating libraries, archives and museums cooperation for the European Digital Library and would hope to include the members and work of the Interoperability Working Group and aims to have at least one member in every Member State.

2 *Rationale*

Description of the issue addressed and the current situation (baseline)

In the press release of 2nd March 2006 the European Commission unveils its plan to promote digital access to Europe's heritage by supporting the creation of a single access point to cultural content.

The European Digital Library should encompass full collaboration among the national libraries in the EU. Two million books, films, photographs, manuscripts, and other cultural works will be accessible through the European Digital Library by 2008. This figure will grow to at least six million by 2010, but is expected to be much higher as, by then, potentially every library, archive and museum in Europe will be able to link its digital content to the European Digital Library."

EDLnet addresses issues identified as crucial by the eContentplus work programme itself for the creation of the European Digital Library (EDL). It aims to bring together representatives of libraries, archives and museums and to explore and discuss the possibility of a more coordinated multilingual approach to the online accessibility of all types of materials held by these institutions.

According to the work programme, "the focus [of the network] should be on the interoperability of cultural content between the different types of cultural institutions." An important aspect of developing interoperability is seeking consensus across organisations. EDLnet will support brokerage activities to bring together key players in order to agree on approaches to interoperability but it will also work on technical interoperability between the data of museums, libraries and archives and prototype the results so that the issues become clearer to both stakeholders and users.

The map of libraries, museums, archives and audio-visual archives in Europe

The map of libraries, museums and archives in Europe is characterised by complexity and fragmentation. Even at national level, their work can be the responsibility of 3 or 4 different ministries. Sometimes their work is regarded as a regional or even local responsibility. ISO 2789 divides libraries into no less than 5 major groupings [national, public, higher education, school, special] and museums and archives also break down into numerous sub-groupings. Many of the institutions are small. Those that are large or well resourced do not necessarily enjoy an official leadership position at national level. There are tens of thousands of such institutions in Europe so their representation within EDLnet initially will only practically be achieved through their associations. MichaelPlus is making a broader net of cultural institutions take the responsibility of describing the digital collections available in their countries. This database will be a very useful tool for developing the European Digital Library and should be incorporated into the prototypes for EDLnet. Not only will it give a broad picture of what has been digitised it will allow for some datamining to determine broad themes for the European Digital Library to prioritise for item access.

At national level there are 5 countries with strategic national organisations across the cultural sectors, the UK [Museums, Libraries and Archives Council (MLA)], Norway [Norwegian archive, library and museum authority [ABM-Utvikling], Sweden [ABM-Centrum], Germany [EUBAM] and Denmark [ABM-samarbedje] but in the remaining 22 member states collaboration between the sectors is on a more ad hoc basis. Late in 2005, the NRG produced a "Dynamic Action Plan" which listed among its aims "Bringing together national and European digitisation initiatives to establish a European Common Information Space, including The European Library and Michael / MICHAEL Plus projects." This is an example of the kind of issue which EDLnet will seek to address.

The library map of Europe consists of the 5 sectors mentioned above. Three of these sectors have institutions which have organised themselves at European level or can be regarded as stakeholders for the eContentplus agenda: national, public and higher education. National is described in the paragraph on CENL/TEL. Public libraries which are numerous and include some large institutions that do not have an association at European level. Until 2005 they had a strong network in CALIMERA [including also local archives and museums] some former members of which are EDLnet country representatives. EBLIDA represents all kinds of library associations and NAPLE is an international association with about 17 members pursuing the interests of the national library authorities in Europe. Higher education and research libraries have formed CERL and LIBER.

Archives are visible at European level mainly through certain national archives playing a role in the relevant associations and one practical way forward is to work with these organisations. The European Board of National Archivists (EBNA) holds an annual conference. The International Council on Archives (ICA) which represents all kinds of archives has a European branch {EURBICA} to further the aims of ICA and to strengthen co-operation within Europe. The newly established European Archive Group (EAG) was established as a result of the Report on Archives in the enlarged European Union in late spring 2006. Of the National Archives France, Germany, Finland, Sweden, Spain and The Netherlands seem to have strong digital presences and these will be encouraged to join EDLnet. A separate archival area of importance in building a European digital library is Audio-Visual. There are several international and European associations in this area such as the EBU [European Broadcasting Union], ACE [The Association des Cinémathèques Européennes, an affiliation of 38 national and regional film archives from all over Europe] and FIAT [International Federation of Television Archives]. These together with national initiatives and institutions will be encouraged to participate in EDLnet and to help create a multimedia European digital library.

Museums are represented at European level by a number of associations namely EMII [The European Museums' Information Institute], NEMO [Network of European Museum Organisations], ICOM-Europe [ICOM-Europe is a Regional Organisation of the International Council of Museums] and EMF [The European Museum Forum]. Although there is no official museum equivalent of "national library" or "national archive", some large museums are clearly in a separate class. As they lack a dedicated association it is important to hear their voice within the network by including one or two individual big museums as country partners. It is hoped that EDLnet will include a strong museums' representation, but may have to rely on the smaller regional museums to start the process.

Description of the project objectives

To move from a pure network of interested individual organisations or European Associations to an operational service work needs to take place on practical interoperability issues. Each cultural sector has its own way of classifying and categorising its material in line with its needs and work practices. To make a virtual 'library' of this material all the data needs to be made interoperable. The sectors therefore need to agree and develop ways of achieving such a goal.

According to the work programme, "the focus [of the network] should be on the interoperability of cultural content between the different types of cultural institutions." Above is described our understanding of the different cultural institutions and how they can best be mobilised, but what are the main barriers?

According to the European Interoperability Framework interoperability can be classified into 3 types:

- Organisational interoperability
- Semantic interoperability
- Technical interoperability

In EDLnet a significant effort will be needed in the areas of human understanding, i.e.: Political/ Human Interoperability, Inter-community Interoperability and International Interoperability. Mainly, however, the issue is inter-community interoperability, specifically inter-domain interoperability. This is the dominant issue. Without a desire for inter-domain collaboration in some form, there is no need for other forms of interoperability between the domains in the context of a European Digital Library. In most European countries the various kinds of librarians, archivists and museum people do not mix much with each other even at national level. At European level the problem is complicated further by considerations of cost and language.

Semantic and technical interoperability within EDLnet addresses issues such as what form the architecture and metadata models should take to create interoperability across the different sectors and how these relate to any proposed organisational model. Such interoperability will allow a piece of Greek Pottery held in the museum, the literature about it, any archives on the site where it was found and all audio conference

proceedings to be retrieved at the same time. Semantic interoperability for EDLnet also means deploying (within the architecture) the best of breed in multilingual search solutions. There are some possible technical solutions in the field of semantic operability and these will be prototyped and demonstrated wherever feasible. However agreeing on the metadata schemas and determining a pragmatic path forward is a large barrier with thousands of man years of vested interest in the schemas currently in use by each sector, all thinking theirs is better and more relevant.

Therefore the objectives of EDLnet are:

- To establish a legal entity that will govern the European Digital Library.
- To provide a framework for dialogue between key stakeholders from libraries, museums, archives and the audio-visual sector on the interoperability of cultural content from these different types of cultural institution to support the realisation of the European Digital Library.
- To establish a confident personal network between willing institutions – the Thematic Network Partner Group
- To achieve consensus and targets for a road map towards a European Digital Library
- To encourage innovation in organisation by exploring possible organisational and governance models drawing on any useful lessons from the network members
- To build prototypes to demonstrate these models to stakeholders and users.
- To develop sustainable business models for institutions wishing to make cultural content available internationally in collaboration with others.
- To clear the ground and establish a prototype of an operational service so that one or more separately funded practical implementation projects can be proposed.
- To offer concertation between willing and relevant eContentplus and IST projects and the EDLnet partners and audience and to publicise other relevant EU actions

EDLnet has the right partners in the process and can add others if necessary. The methodology we propose has a good chance of success. Certainly the partners in EDLnet will travel some distance together towards closer cooperation at institutional level and greater interoperability of their content.

The current version of the European Library will be used to ensure a starting point for the definition, experimentation and demonstration of the features and services of the European Digital Library. **This is NOT to be the final version, nor should it be taken as a prototype in anyway.** It is the temporary solution to claiming the space, building the brand and showing what is feasible in some areas. The objective for the development of the maquette and the prototypes is to design and create solutions that work across the different domains.

Analysis of demand – target users and their needs

The primary business case for the European Digital Library itself is that users will gain integrated access to cultural heritage digital items via the Internet through the co-operation of European museums, archives, national libraries, major research libraries, The European Digital Library partners will gain a significant new route to end-users and an additional showcase for their collections, products and services. The European Digital Library will enable integrated search and discovery of resources in multiple cultural heritage institutions across Europe.

EDLnet has no end users and will not provide a public service. Its “users” are the network members and their peers and funders. The reasons why the network is needed are explained in the eContentplus work programme for 2006 and in the documents which it quotes in its support. The EDLnet network is needed to identify best practice for the interoperability of digital European cultural content (covering different types of content: books, photographs, audiovisual material, archival records, etc) held by different types of cultural institutions (libraries, museums, archives). The aim is to achieve a consensus on the use of common standards that will make it easier to search the collections of the cultural institutions as part of a European digital library.

Because of the institutional fragmentation in the relevant sectors, the network will undertake the following activities:

- Bringing together representative key stakeholders from the different cultural institutions
- Clarification of issues and solutions in the area of interoperability of cultural content between the different types of cultural institutions.

- Representation of the different types of institutions and able to build consensus and buy-in having regard to the needs of their various types of users.

These activities of the EDLnet network should result in progress on the use of common standards, making it easier to search and use European cultural content from preferred or central access points in support of the evolution of the European Digital Library.

3 Expected results, sustainability and impact

Expected results

The key results of EDLnet will include:

- A larger and more visible community of archivists, librarians and museum people committed to making content available in an interoperable way in support of the European Digital Library
- Clear and usable summary reports and recommendations on each of the main areas of interoperability addressed in the EDLnet
- A roadmap showing how the component parts interlink and what needs to be achieved when to realise the aim of the European Digital Library.
- One or more prototype(s) demonstrating the proposed solutions.
- A fully working prototype, with interoperable multilingual access to the different cultural sectors, covering over 6 million digital items.
- A proposal for funding to create an operational European Digital Library service

The following results are expected according to the following schedule (T0 is the start of the project):

T1-T6 EDLnet Office is set up.

T1, Meeting of Workpackage Leaders to understand inter-linkages between the work packages and the need for iterative planning.

T3 – EDLnet project website available for document download and collaborative working

T4 and T22 Plenary meetings of the network

T1-T21 30-38 Thematic meetings – at least 8 virtual

T4 The European Digital Library experimental or 'show & tell' website is live, with an experimental portal based on v1.5 The European Library.

T7. Overall Project Plan and First Roadmap

T6 Operational model for the technical work group to deliver outline functional specification by T6 and prototype of version 0 of the European Digital Library by T9

T15 Second Roadmap

T9-T15 Prototypes as required

T17 fully working prototype with interoperable multilingual access to collections at item level across the 4 domains with 6 million digital items ready for major conference.

T3, 6,9,12,15,18,21 Production of Newsletters and Blog

T24 Final position statement, Roadmap and plan for operational service

Concertation events T1 to T24

Network Scope

EDLnet will use the knowledge gained by the network members to create a series of prototypes of the European Digital Library for usability testing. This means:

Creating a cross-cultural network of willing associations, projects and individual museums, archives and libraries.

Agreement on the name

Agreement on a governance model and a legal body to operate the European Digital Library

Agreement on the organisational model

Agreement on how to tackle interoperability issues, including the use of best of breed methodologies

A maquette to show the functionality and features agreed upon by the work packages.

A series of prototypes demonstrating how the business requirements relate to interoperability and what is feasible technically

User testing of prototypes

Final agreement on a technical architecture and therefore an outline functional specification

A business plan, with business and pricing models for an operational service

Concertation between willing and relevant eContentplus and IST projects and the EDLnet partners and audience.

However it is felt that advantage should be taken of the current political climate and interest by users, therefore the early establishment of a presence in the market place will also be undertaken by the project office. These are subsidiary goals to the network but will help to show stakeholders what is possible. Therefore a first 'show & tell' version of the European Digital Library based on v1.5 of The European Library will be available by end September 07.

This version of the European Digital Library will give access to the digital items only and will exclude catalogues or bibliographies.

v2.0 of The European Library is in development and therefore to reduce maintenance burden in the Office an upgrade will be made to the European Digital Library version at the beginning of 2008. This version will use a new, hybrid architecture and encompass as many of the recommendations of the Interoperability Working Group as possible, .

The interfaces will be multilingual and some background translation will be feasible. It is extremely unlikely that the EDL will become truly multilingual in search and retrieval by the end of 2008.

The final prototype of 2008 will demonstrate the functionalities and features of the version to be built as an operational service in 2009, encompassing the work of EDLnet's Semantic and Technical interoperability group

User interaction and comment will be actively solicited but an all out marketing offensive will be delayed until a fully functioning version is available. Such a live accessible site will however give us a starting point for interoperability issues and a place for experimentation.

The Network will:

The network will create a roadmap for access to cultural heritage material across Europe

The network will establish a governance, business and service model for the future operational service

The network will have a show & tell portal within 7 months of project commencement

The EDL site will allow the user to search within and across all cultural heritage collections, retrieve results and access items directly from the individual institutions.

The network will aim to have access on EDL to the collections of 50 institutions across the EU by October 2008

The EDL site will constantly seek user validation for its actions aiming to have a user- friendly front end with ergonomic navigation.

The EDL site will start using KB systems – and it will continue to share the hardware and software infrastructure but will seek alternative hosting for an operational service.

The EDL site will be multi-lingual: for its interface and will adopt any proven multilingual search and retrieval software available on the market

The network will address as many of the interoperability issues as possible in the time limits.

The network will promote the need to create fully harvestable metadata and full text in all new digitisation programmes

The network will investigate the use of CIDOC-CRM and FRBR as alternative means of creating interoperability.

Marketing and communication will concentrate on public relations and creating a brand name – it will not aim to build large amounts of traffic before becoming operational

A product and services plan for a fully operational business will be delivered at the end of the 2 year project.

The network will not:

- Build a robust, fully tested portal or website
- Be responsible for digitisation or the Competence centres for digitisation
- Decide the content to be made accessible
- Be responsible for preservation or any competence centres for preservation
- Be responsible for the legality of any copy
- Market directly to users for at least the first 18 months.

Performance indicators

Indicators – Thematic Networks	Expected Progress		
	Year 1	Year 2	Year 3
Roadmap showing how the EDL will be achieved	Version1	Version 2	
Live experimental version of EDL, based on TEL v1.5 and v 2.0	Version 1 & 2	Version 3	
A Mock Up and Prototypes for real EDL	2-3	1 - final	
Number of participants in the events organised by the Thematic Network	250	350	NA
Number of registered stakeholders	1000	1000	
Number of absolute unique visitors to network web site	100/day	500/day	
Number of network members	N	N + 15	
Number of eContentplus and IST projects participating in the network	5	10	
Number of people receiving the newsletter	400	1000	
Amount of fully digitised content in European Digital Library	2 million digitised items	6 million digitised items	
Number of links to EDL portal	100	500	
Number of languages of access	20	30	
Average time spent on the EDL portal	1.5 minutes	2.5 minutes	

3.2 Performance measurement and evaluation

The success of an activity such as EDLnet may not be conclusively demonstrated during its lifetime because it aims to work towards a better understanding and better collaboration between libraries, museums and archives in support of the emerging concept of the European digital library which must be a medium-term to long term aim. EDLnet, whilst being an accessible network, will work with influential organisations and networks and is not of its nature a mass market instrument.

The success of EDLnet will use the following to judge success:

- Growth of the stakeholder network registered via the website to EDLnet given that huge numbers are not the objective. The network starts with a number of key stakeholders – it is expected that this number will rise by T24
- Overall participation in thematic and other meetings, by type, level and domain of participant.

- Web statistics indicating visits, extent of content downloads and other websites referencing the EDLnet site.
- Monitoring the number of articles in the media and references in other organisations' newsletters.
- Agreement on governance and organisation leading to a prototype being built showing library, archive, audio-visual archive and some museum content by the end of EDLnet.
- Measuring changes of attitude and increased willingness of the domains to work together is not easy but we will use the following indicators:

Checking if specific stated objectives been achieved (e.g.: is there by month 24 more common ground on interoperability issues than there was in month 1?) [List of issues at the beginning and remaining issues at the end, plus self-assessment by network members]

List of changes of policy or activity where the influence of EDLnet can be cited or directly traced [inputs from network members], including case studies which illustrate such changes of policy [Examples of increased collaboration between the domains or plans to do so]

The network will formulate a schema for indicators of each of the types described above and review progress and modify and improve the work plan in response.

4 Contribution to programme objectives

In the introduction to the eContentplus 2006 Work Programme we find the following statement:

"The eContentplus programme will contribute to this [the i2010 initiative] by "achieving interoperability between national digital collections and services (e.g. through common standards) and facilitating access and use of the material in a multilingual context", which are core objectives of the programme."

EDLnet shares this core objective.

The overall aim of the eContentplus programme is "to make digital content in Europe more accessible, usable and exploitable, facilitating the creation and diffusion of information, in areas of public interest, at Community level".

EDLnet aims to make a key contribution to this objective.

"[eContentPlus] will help content stakeholders (providers and users) realise the full potential of digital content: content providers, i.e. public and private organisations and institutions that create, collect or own digital content, who will be able to increase the use and re-use of their material; content users, including European citizens, students, researchers but also organisations and enterprises that reuse and/or add value to digital content, who will be able to find and use digital content, irrespective of location or language."

EDLnet will help content providers in the three domains of libraries, museums and archives find ways to work together to increase the use of their material and make it more accessible to users.

"Actions in the [eContentplus] programme will use proven state-of-the-art technical solutions, and will be geared towards innovation in organisation and in deployment, as opposed to purely technological innovation."

EDLnet will explore the use of proven technical solutions in the field of interoperability but its main focus is on innovation in organisation and in deployment.

European dimension Community added value and Contribution to related EC policies

The European Commission's recently-adopted Information Society and Media agenda, reflecting its new European Information Society 2010 (i2010) initiative, is designed to encourage and support all sectors of the economy in the take up and use of information and communication technologies (ICTs), an agenda which EDLnet will actively support.

The Communication from the Commission on The Digitisation and Online Accessibility of Cultural Material and Digital Preservation of 24th August 2006 provides further evidence of EDLnet's contribution to policy implementation and of The European Library's role as the following quotations show:

"The Communication 'i2010: digital libraries' was discussed by the Culture Council of 14 November 2005 and was well received. Several Ministers stressed the need to build on existing initiatives, such as TEL (The

European Library), MICHAEL and other projects, which gives integrated access to the decentralised catalogues and digitised resources of a number of European libraries”

“Work is currently under way with cultural institutions to create a multilingual common access point to Europe’s distributed digital cultural heritage.”

Contribution to economic development and social objectives

EDLnet works with the grain of The eEurope 2005 Action Plan, a wide-ranging initiative aiming at harnessing the power of Information and Communication Technologies (ICT) to provide a favourable environment for private investment, job creation and productivity growth in Europe, while modernising public services and giving everyone the opportunity to participate in the Information Society.

Libraries, museums and archives serve an unusually broad range of audiences with researchers, businesses, education, the general public all benefiting from their services and collections. The value they bring is essentially three-fold: they are a critical resource for European research; they underpin business and enterprise through their contribution to knowledge transfer, creativity and innovation; and many of them are world-class cultural institutions with a vital role as holders of the national memory.

The social impact of the three domains is already immense, but the European Digital Library extends access to the riches of Europe’s memory institutions to everyone with internet access. It is no longer necessary to travel to the capital or even abroad to access key documents and cultural treasures. It will also significantly reduce linguistic barriers.

The Communication from the Commission on the Digitisation and Online Accessibility of Cultural Material and Digital Preservation of 24th August 2006 makes the following point:

“Beyond its fundamental cultural value, cultural material is an important resource for new added value services. The measures recommended will contribute to enhancing growth in related high value-added sectors such as tourism, education and media. High-quality digital content is a key driver for large scale industrial activities (hence the interest on the part of major search engines). Digitisation and digital preservation are knowledge-intensive activities that are likely to grow considerably in the coming years.”

5 Detailed project implementation plan

5.1 Description of work and roles

Overall methodology of the work programme

Given the scale of this operation and the wish to actually achieve some concrete results in the lifetime of the network, the work programme will be organised on Prince II guidelines, with work packages, work package leaders, work group leaders, milestones and deliverables. There will be a Network Advisory Board, a Network Management Board and a Thematic Network Partner Group. The work and governance bodies are described below.

Work Packages

There are 5 work packages covering the various aspects of creating a network of interested and willing individuals and associations to produce a prototype for a European Digital Library that encompasses the interests and material of Museums, Archives, Audio-visual Archives and Libraries and delivers a site that is of use and attractive to users. Work will be broken down into the following areas:

WP1: Political/human/inter-community interoperability

WP2: Technical and Semantic Interoperability

WP3: Users and usability

WP4: Concertation & Dissemination

WP5: Management, coordination and residual evaluation activities.

Work packages 1 to 4 bring together library, museum and archive stakeholders to seek better understanding and improved human networking on aspects of inter-domain interoperability. Innovation in organisation is a key objective.

Workpackage 5 is a supporting managing the whole process and ensuring all items and milestones are delivered according to plan.

Each work package has its own deliverables and milestones. These have repercussions on the other work packages as the process is deliberately iterative. The process takes the business requirements from WP1 and 3 and asks for prototypes from WP2 that demonstrate what is possible technically, interoperably and semantically. Each prototype is then discussed by WPs1-3 to decide what needs to be changed and improved

Work packages 1-3 are similar in their approach and seek hard and soft outcomes. The **hard** outcome is seeking specific agreement between **willing partners** from all the domains to collaborate in prototyping the European Digital Library, to create an agreed roadmap towards the European Digital Library and to develop a proposal for the delivery of the operational service.

The **soft** outcome is to achieve better understanding between the domains of the issues under discussion involving interaction with **large numbers of stakeholders**. Commencing with a large scale kick-off, to create smaller work groups to be able to deliver the proposed work packages. Discussion lists, newsletters and smaller scale meetings will also be used culminating with a second large scale event to validate the operational service that will be proposed.

Milestones for major achievements

Founding principles of EDL agreed	M4
Thematic Network Partner Group (TNPG) Kick Off meeting	M4
First show and tell version of EDL with EDLnet website	M4
Agreement on Organisational Structure	M5
EDL legal entity set up	M7
Maquette of agreed features and functionalities for an EDL	M9
More members in EDL	M12
Launch prototype	M17
Launch	M18
Proposal for operational service	M18

Groups of Stakeholders

Thematic Network Partner Group (TNPG)

To deliver EDLnet there are a group of associations and country representatives who make up the Thematic Network Partner Group (TNPG) The TNPG is seen to be a cascade network, with each member of the network able to access many more organisations through their own networks.

The TNPG will cover all 4 domains and seeks to have a strong European representation at the top level of the domains, in the form of pan-European associations of museums, archives, audio-visual archives and libraries. Where this representation does not exist at European level or is incipient, strong national organisations have been invited to take part. The initial list of partners can be found on page 43. However since the proposal for this network was submitted, several other organisations have become known. These together with other EU projects such as Prestospace and VideoActive will be invited are listed at page 51.

Individuals will be asked (or may volunteer) to be part of work packages and work groups and thus contribute very directly to the European Digital Library. Collectively this group will guide and validate the work and results of EDLnet. The plenary group will be chaired by a person nominated by the coordinator. Two plenary meetings are envisaged. Otherwise meetings will be themed within work packages. The plenary partner group's cohesion will be maintained by means of a quarterly newsletter. The Thematic Network Partner Group envisages modest expansion during the lifetime of the network and will add new members throughout the 24 months.

The responsibility therefore of the TNPG is to provide individuals for work groups (see below) and to disseminate the work of EDLnet through their own networks and member organisations, across Europe and within countries.

It is from the TNPG that the Work Packages will derive their Work Groups. Work Groups will thus be made up of individuals volunteering or invited for known expertise. Via the Work Groups the ideas and knowledge

of the TNPG will be made into software aimed at the delivery of a working prototype of the European Digital Library.

Work Groups (WG)

Work Groups are part of Work Packages and are made up of members of the Thematic Network Partner Network. Each Work Group will have Work Group leaders, who may also be Work Package Leaders. Each Work Group has within its work package a set of milestones and deliverables and these will support both hard and soft outcomes. Work Package Leaders are responsible for their work groups delivering. Work Package Leaders will be appointed by the Network Coordinator in advance of the kick off meeting and will help in selection of members for the work groups. Each work group will be formally formed following the kick-off meeting and will have a relevant project coordinator or leader provided by the coordinator and a Work Group Leader and members drawn from network members. The WP Leaders with potential members of their work groups will in the first instance be responsible for generating a list of issues and recommendations. This should be followed by a work planning meeting and the creation of the group's own project plan for approval of the coordinators and the Network Management Board. Each work group will need a series of at least 3 physical meetings of the members of the group.

There are different numbers of Work Groups (WG) in each Work Package.

Work Package 1 – Political/human/inter-community interoperability will have one Work Group [WG1] led by the WP Leader. The work group will be largely made up of stakeholders from the TNPG and must be representative of the four domains. Some of the members of this work group should also be members of the Network Advisory Board.

This WG is responsible for the thinking behind governance, the establishment of a legal body as well as the EDL organisational model, the roadmap, the validation of the results of the work groups in WP's 1 and 2 and will produce a business model in order to create a proposal for an operational service.

Work Package 2 - Technical and Semantic Interoperability, will in contrast have 3 Work Groups

WG2.1 Standards & Interoperability

WG2.2 Language interoperability

WG2.3 Technical Interoperability

WP2 has 2 WP leaders with known expertise in the areas covered and who have worked together before. These WP Leaders will also lead the work groups WG2.1 and WG2.2, The third work group in this WP [WG2.3] will be led by a technical expert from the EDLnet Office.

Again the members of the Work Groups will be derived from the TNPG, both volunteers and invited members.

This Work package will ensure that the EU Interoperability Group (led by one of the WP leaders) will have both its people and ideas encompassed and incorporated. All the EU Interoperability Working Group will be invited to be part of the WP2 Work Groups and therefore will be in the TNPG.

These Work Groups are responsible for developing and recommending solutions to interoperability for implementation in prototypes and against the governance, organisational and user requirements of WP's 1 and 3.

Work Package 3 - Users and usability, will have one work group [WG3.1], again constituted from members of the TNPG, who have special interest in usability of the European Digital Library.

The WG is responsible for creating initial recommendations against WP1's preferred organisational model and then testing on users the resulting maquette and prototype. The WG also exists to show the stakeholders how best to create and organise their content for maximum usability.

Work Packages 4 and 5 – do not have work groups

Work Packages and Work Package Leaders

The project is divided through work packages into manageable chunks able to deliver independently and cooperatively. Each work package as well as having a leader and a set of self-selecting or invited individuals from the TNPG, prepared to undertake tasks will also have a member of the EDLnet Office as an executive manager. Each work package will be able to use the resources of the EDLnet Office to fulfil their tasks.

Work package leaders are chosen for their political or technical expertise and knowledge in the domains or subjects such as metadata, multilinguality or business models. Work package leaders may or may not be TNPG members. WP Leaders appoint or are themselves the Work Group leaders.

The role of the Work package leader is to manage the organisation and delivery of the whole WP within the overall planning and deliverables of the network. WP Leaders and WG leaders are responsible for their WP's and participate in the Network Management Board.

Project Governance

Network Advisory Board

There will be a Network Advisory Board to advise and give political support. This Network Advisory Board will be made up of EDL Foundation Executive Committee Members who are also partners in EDLnet members, and a small number of interested, relevant, representative partners from the Thematic Network Partner Group. The NAB will consist of perhaps 7-9 members with a good representation of domains, sub-domains and cross-domain bodies.

Network Management Board

At executive level there will be a Network Management Board made up of Work package leaders and chaired by the Director of the EDLnet Office, under the KB. This group will be responsible for overseeing the project. The Network Management Board will meet every 6 months and be responsible for interim decision making on behalf of the Thematic Network Partner Group. It will coordinate and oversee the work of the network at operational level. The first meeting of the Network Management Board will take place as soon as the Work Package leaders are appointed for orientation and to agree the process for arriving at work group project plans.

The Director of the EDLnet Office will also hold monthly or bi-monthly web conference meetings with the Network Management Board to decide upon any exceptions to the agreed project plan and to check all work packages are on schedule. There will be a standing agenda and meetings will not take longer than 2 hours.

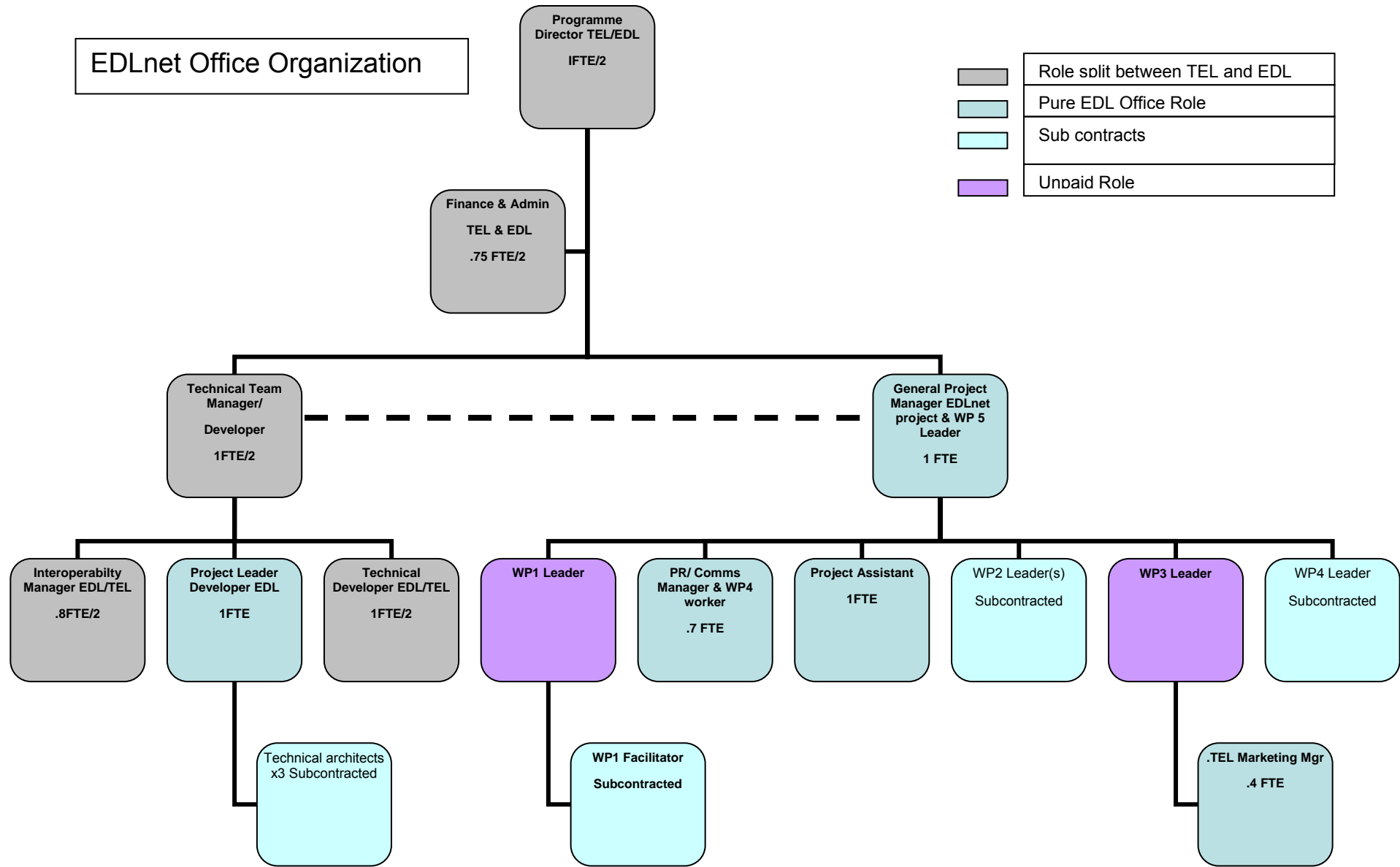
There will be a Network Management Board made up of Work package leaders and work group leaders and chaired by the Director of the EDLnet Office, under the KB. This group will be the ultimate project authority for the Network and works within the framework of understanding that only the coordinator has contractual responsibility for the network. The first meeting of the Programme Management Board will take place as soon as the Work Package leaders are appointed for orientation and to agree the process for arriving at work group project plans. NMB meetings will be held every six months and may be called upon to resolve any disputes between network members. Web and audio conferencing will be used where interim decision making or problem solving is needed. The chair of the Network Advisory Board will be an ex officio member of the network management board.

In addition to 4 scheduled physical meetings this group will meet virtually every 2-3 months for 1 to 2 hours.

EDLnet Office

The network members will make voluntary contributions to the work of EDLnet. Responsibility for the delivery of the work lies with designated paid staff of KB and certain subcontracted roles.

To deliver a prototype able to demonstrate the features and functionalities required by users and stakeholders of a European Digital Library and to manage and publicise the work of EDLnet, individuals are needed to undertake the work. Building on the knowledge and expertise of individuals in The European Library Office a separate EDLnet Office will be created and additional staff will be employed. The EDLnet Office will consist of 6-7 people. The planned relationships between the EDLnet Office personnel and the Work package leaders are explained in the organigram below:



The EDLnet Office team will carry out the work requested by the Work Package leaders and Project Management Board. The team will be run by a General Project Manager also employed by the Office. The General Project Manager will produce a full project plan by month 5, including interim results and deadlines from the work packages

Work Package leaders will interpret the needs of their work groups and the wider network in the form of reports and functional specifications.

The EDLnet Office will manage the development of a functional prototype of The European Digital Library – using the work packages outlined above and below. The purpose of creating prototypes is to highlight issues in the integration of data from non-library sources into the European Digital Library. Organisations willing to test the interoperability of their data will be encouraged to do so in these prototypes. Prototypes also demonstrate what is feasible for multilingual search and retrieval and how the various stakeholder solutions affect the use and usability of the site.

Subcontractors

Tasks to be subcontracted:

- Understanding of the cross domain issues in interoperability and turning them into achievable requirements
- Creation of interoperable metadata, using either schemas or the semantic web, at all levels of metadata, object, collection etc.
- Further development of multi-lingual search and retrieval using semantic web techniques
- Techniques for data mining, agglomeration and visualisation
- Gateway implementation and service development
- Character set deployment
- Technical architecture
- Logical architecture
- Functional specifications for any of the above
- Concertation events for domains, cross domains and to bring in other EU projects
- Dissemination activities such as conferences, press communications, speaking engagements and ministry engagement.
- Network building expertise
- Facilitation across and within domains where necessary.

Subcontractors are envisaged for facilitation in WP1, for WP leadership and specific technical knowledge in WP2, and for WP Leadership and network building knowledge in WP4.

5.2 Technologies and Standards

Standards

The European Library has already promulgated the benefits of standardisation with the adoption of standards in metadata (Dublin core with extensions giving the TEL Application Profile) Collection Descriptions according to the NISO draft standard, and the use of a gateway to translate the z39:50 protocol in use for searching at many of the national libraries into SRU. This latter ability to take whatever protocol is in use by a library and incorporate their metadata into the search and retrieve process is one of the underlying tenets of The European Library. It severely reduces the barriers to entry for any participating library or institution. The intent to create a European Metadata Registry under EDLproject will further promote standards and increase interoperability between the different groups in the Cultural Heritage sector, such as museums and archives.

OAI PMH compatibility is being encouraged and implemented across the national libraries. This or similar harvesters such as SRU could be used to integrate The European Library with other cultural and scientific heritage repositories. Either all these repositories are harvested into The European Library and vice versa or a Supra site could be created. The use of OAI (or equivalent) has huge benefits from a usability viewpoint and would be one of the standards EDLnet would encourage stakeholders to implement. Meanwhile The European Library would encourage an adoption of its approach of keeping low barriers of entry to

stakeholders and offers its architecture (the source code is available for free to other institutions) which includes: z39:50, FTP, SRU and OAI as the possible access protocols as an early version of the European Digital Library. Creating access to collections will show stakeholders more clearly what needs to be done to iron out the interoperability issues.

It is also important to enforce standards in digitisation to ensure that the data delivered is at a level of granularity that is useful for full text searching and again of use to the user

The overall approach of EDLnet will be to use de facto existing standards.

CIDOC-CRM <http://cidoc.ics.forth.gr/> <http://icom.museum/>

EAD – Encoded Archival Description - <http://www.loc.gov/ead/> - library of congress

Dublin Core Extended

NISO standard for Collection Descriptions

AJAX – Java – XSLT

It will also where feasible make use of FRBR. In the initial stages, the project will enforce a minimal level of standards to give minimum interoperability and will use technology to bring things together rather than expecting partners to make huge changes. This was the process followed for The European Library, giving a very low barrier to entry to the national libraries and thus encouraging participation. The libraries have then realized themselves that in order to satisfy user requirements they need to make changes in the way they prepare and deliver data. This has led to far greater trust and buy in to new technologies than would otherwise have been the case.

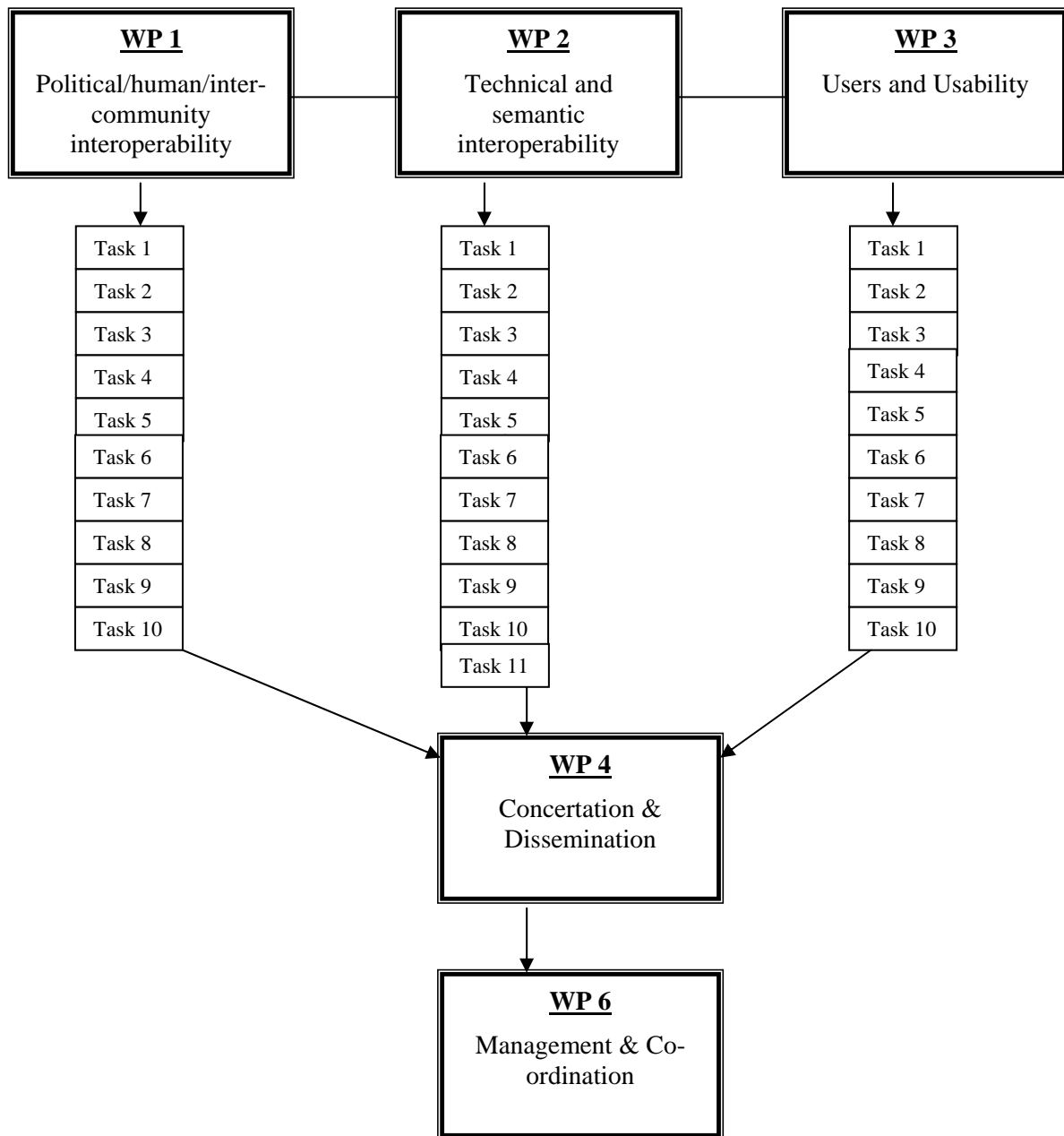
All technologies to be deployed in the project are not yet known but will be the subject of recommendations from WP2.

5.3 Project plan

	WP /Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Milestones																									
1	Political/human/inter-community interoperability																								
M1.1	Issue paper for first plenary			1.1																					
M1.2	Requirements for Maquette						1.2																		
M1.3	Position Statement																								1.3
Deliverables																									
D1.1	Report Detailing Org Structure				1.1																				
D1.2	Statutes of EDL Legal Entity							1.2																	
D1.3	Business Plan															1.3									
D1.4	Project Proposal for Operational Service																								1.4
D1.5	Project work plan covering activities of network and first roadmap					1.5																			
2	Technical and semantic Interoperability																								
Milestones																									
2.1	Issues paper for first plenary meeting			1.1																					
2.2	Creation of project plan for each group				2.2																				
2.3	Maquette									2.3													M4		
2.4	Prototype 1												2.4												
2.5	Prototype 2															2.5									
Deliverables																									
2.1	European Digital Library experimental or 'show & tell' website is live				2.1																				
2.2	Initial semantic & technical requirements						2.1																		
2.3	Fully functioning prototype for launch conference											2.3													
2.4	Report on Final Recommendations of 2 work groups																								
2.5	Outline Functional Specification																								
3.	Users and Usability																								
Milestones																									
3.1	Issues paper for first plenary meeting			3.1																					
3.2	Project plan and recommendations for maquette					3.2																			
3.3	Maquette											3.3													
3.4	Prototype 1													3.4											
3.5	Prototype 2															3.5									
3.6	Position Statement																								3.6
Deliverables																									
3.1	User case scenarios for Maquette						3.1																		

	WP /Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3.2	Report User Perspectives on Prototypes & Final Recommendations																	3.2							
4	Concertation & Dissemination																								
	Milestones																								
4.1	Kick Off Conference				4.1																				
4.2-4.9	Quarterly newsletter				4.2			4.3			4.4				4.5			4.6			4.7			4.8	4.9
4.10	Final Conference																						4.10	4.10	
	Deliverables																								
4.1	Outline Dissemination Plan				4.1																				
4.2	Final Dissemination Report																								4.2
4.3	Power Point Presentation – purpose	4.3																							
4.4	Network Website			4.4																					
4.5	Power Point Presentation – results																								4.5
5	Management & Co-ordination																								
	Milestones																								
5.1	Work Package Leaders Meeting	5.1																							
5.2	Monitoring Plan		5.2																						
5.3-5.6	Network Mgt Board meetings			5.3						5.4						5.5							5.6		
5.7-5.14	Internal Quarterly Reports			5.7		5.8				5.9		5.10			5.11			5.12				5.13		5.14	
	Deliverables																								
5.1	Interim report 1 st 6 months							5.1																	
5.2	First Ann.Rep to Commission													5.2											
5.3	Interim Report on 3 rd 6 months																				5.3				
5.4	Final Report to the Commission																								5.4
5.5	Network Agreement			5.5																					
5.6	Financial Statement																								5.6
5.7	Pre-financing Request												5.7												

5.3 Graphical presentation



Work packages and labour effort overview**Work Package and Labour Effort Overview**

WP No ¹	Work package title	Lead Applicant No ²	Start month ³	End month ⁴	Total Person months ⁵	Person Months Efforts per Work Package per Applicant
						AP1
1	Political/human/inter-community	1	1	24	23	23
2	Technical and semantic Interoperability	1	1	24	75	75
3	Users and usability	1	1	24	14	14
4	Concertation and dissemination	1	1	24	15	15
5	Management and coordination	1	1	24	14	14
					141	141

¹ Workpackage number: WP 1 – WP n.

² Number of the applicant leading the work in this work package.

³ Relative start date for the work in the specific work packages, month 0 marking the start of the project, and all other start dates being relative to this start date.

⁴ Relative end date, month 0 marking the start of the project, and all ends dates being relative to this start date.

⁵ The total number of person-months allocated to each work package.

Work package descriptions

Work package Description					
Work package number :	1	Start date:	1	End date:	24
Work package title:	Political/human/inter-community interoperability				
Applicants involved: Participant number	1				
Labour effort (in months) per applicant:	23				

Objectives

This work package effectively runs the strategic direction of the network and makes the decisions on behalf of the stakeholders on the shape and form of a future European digital library

This work package will work on the organisation issues and detail these as user requirements. An iterative process will be put in place where each set of requirements is passed to WP's 2 and 3 for interpretation and comment and in some cases demonstration. The comments of WP's 2 and 3 will be taken into account by WP1 and a new set of user requirements will be written. This work package is responsible for making the final decisions on the advice of WP's 2 & 3 over what will be built and the levels of interoperability that can be practically achieved.

The specific outcomes for this work package should be:

A clear governance structure

A clear organisation structure

Iterative delivery of user and stakeholder requirements

An iterative process with WP's 2 and 3 to create a final set of validated requirements.

A roadmap within a project plan that details who is responsible for what at what time and a roadmap for beyond the life of the network.

A budget and business plan for an operational service

Softer objectives are:

- Creation of a collaborative cross – cultural environment of the partners – the Thematic Network Partner Group and a stronger human network of key stakeholders from the 3 domains
- Exploration of the extent of consensus and differences between libraries, museums and archives and extension of areas of agreement on key areas of this topic.

Using the Work Group on Governance and Organisation and professional facilitation and legal expertise where necessary. Reports and Deliverables by the EDLnet Office.

Description of work

In order to achieve the goal of EDL by 2010 the co-operation of several disparate groups is required and these groups must buy into both the method of getting there and agree on a means of governance for the final service. This means creating a collaborative cross – cultural environment of the partners in the Thematic Network Partner Group. To achieve an operational, sustainable cultural heritage portal the work package needs to create a cross party (all relevant institutions from museums, archives, libraries and audio visual archives) group and have access to legal and professional facilitation services.

The political imperative is leading to the setting up of a legal entity representative of the content owners. This structure will need to have a validation process, even if this is post set up and some aspects might need to be altered to reflect the desires of its membership. This validation will be undertaken within this work package.

This work package sets strategic and organisational goals and keeps implementation in line with strategic direction. The Work Group is responsible for setting the shape of the future European digital library and for ensuring that the other work packages meet the set requirements. After the governance model is accepted

the group is responsible for an organisational model and reviewing the prototypes and decisions made by the work groups in WP2 and 3 in the light of these models. It will produce the roadmap and overall work plan and a final business plan with suggestions for sustainability.

It is also the pen-ultimate arbitrator of decisions on how things should be implemented if choices are to be made.

Throughout the lifetime of the network continuous interaction with the other work groups through virtual and board meetings of the WP Leaders.

Task 1: Validation of the proposed governance model and subsequent creation of an organisational structure to operate the European Digital Library. [D1.2 – M7]

Task 2: Decide who to invite into work group. Use the work group to prepare a framework of issues on organisational structure for discussion at a plenary meeting of the network on the theme of Political/human/inter-community interoperability between libraries archives and museums with the aim of agreeing on an organisational model for the future European Digital Library [Milestone 1.1]. Coordinate the inputs to this meeting of the project managers of the work groups of the other work packages. [[M1-3]]

Task 3. The first plenary/ Kick-Off meeting will also include workshops for each work group to kick start the process. For work group 1 it will mean creating an agreed draft organisational structure for the other work packages to use. What is the best structure for the stakeholders to deliver data for a European digital library for maximum usability. Is it centralised, distributed, networked, hybrid. Use plenary meeting to communicate preferred solution. Write report for use by WP2 and WP3 by end of [M4 D1.1]. Add new members to work group if they identify themselves at the Kick-Off meeting

Task 4: Having created a governance and outline organisational model for EDL with the assistance of external professional facilitation and legal expertise draw up a **roadmap and project plan** [Project work plan covering the network activities and the all the Work Packages together with the first roadmap for the network, M5] that contain options and a timetable for solving issues within the reach of this thematic network, coordinated with times of WP2 and 3. The roadmap is likely to have 2 or 3 iterations as events unfold and evolve. There will be a final version looking beyond 2009 in M15 as part of D1.4 Business plan, with final versions of Governance and Organisation with a roadmap for future

Task 5: Review by the Work Group of the interoperability and user issues discovered by WP2 and WP3 [M5]

Task 6: Create set of stakeholder use cases and overall requirements for the building of a maquette, making use of the reports of the Technical and Interoperability Work Group and the Users for Usability work group create the user requirements for the building of the first maquette [Milestone 1.2, M6] to show the consequences of the decisions made by the various work groups.

Task 7: Review each maquette and prototype and provide requirements for changes to technical prototypes. Through virtual meetings. Create reports on each review. [M7-M18]

Task 8: Develop the business and sustainability model and solve issues such as hosting, who is joining at what time and under what conditions, and pricing to members for long term sustainability [Deliverable with final roadmap and confirmed governance and organisational model [D1.3, M1.5]

Task 9: Following the final plenary meeting of the network draw up a final position statement using the final statements, recommendations and prototypes of all the work groups. [Milestone 1.3, M24]

Resource in the EDLnet Office related to this Workpackage is:

Programme Director: 4 months

General Project Manager: 8 Months

PR Comms Specialist: 7 months

Project Assistant: 4 months

(Inter-) Dependencies, milestones¹ and expected result

¹ Milestones are control points at which decisions are needed, for example concerning which of several technologies will be adopted as the basis for the next phase of the project.

Is supported by all the other work packages. Gives direction to WP 2 and WP3 which deal with other aspects of interoperability.

Milestone 1.1: Issues paper for Kick Off/plenary meeting and appointment of core work group members [month 2],

Milestone 1.2: Set of requirements to build maquette to show consequences of decisions made M6

Milestone 1.3 Position statement on issues relating to human and political interoperability between the 4 domains [month 24]

Expected results:

- Roadmap agreed by the 4 domains for travel towards EDL
- Series of prototype reviews
- A proposal for a joint project for the operational implementation of EDL

A position statement on issues relating to interoperability between the four domains

Deliverables

D1.1 Report detailing organisational structure to be used by WP's 2 and 3 [M4]

D1.2 Statutes of EDL Legal Entity [M 7]

D1.3 Business plan, with final versions of Governance and Organisation & with a roadmap for future [M15]

D1.4 Project proposal for an operational service. [month 24].

D1.5 Project work plan covering the network activities and the all the Work Packages together with the first roadmap for the network [month 5]

Work package number :	2	Start date:	M1	End date:	M24
Work package title:	Technical and semantic interoperability				
Applicants involved: Participant number	1				
Labour effort (in months) per applicant:	75				

Objectives

Hard objectives:

- Clarify the specified issues [standards and interoperability, technical architecture, language] and seek to reach consensus between the four domains
- Advise the work group on organisation and governance [in workpackage 1] on the solutions suitable for the organisational model selected for the development of EDL
- Create a series of prototypes that can be used for understanding and criticism and become the basis of the outline functional specification for the implementation of the European Digital Library to be funded as a separate project.

Soft objectives:

- Explore the extent of consensus and seek to reduce differences between libraries, museums and archives
- Extend areas of agreement on standards, interoperability, technical architecture and language.
- Produce workable solutions to issues of interoperability and to suggest areas for future research aimed at improving the user experience.
- Help establish a human network of key stakeholders and experts from the 3 domains.
- Help establish a wider [electronic] stakeholder network.

Leadership provided by two sub-contracts with input from work groups and work undertaken by the EDLnet Office

Description of work

This work package seeks to find the technical and semantic solutions required to put the chosen organisational model and structure into place. This is an iterative process. Throughout the lifetime of the network continuous interaction with the other work groups through virtual and board meetings of the WP Leaders.

Task 1: Prepare a framework of issues [Milestone 2.1] for discussion at the Kick Off meeting of the Thematic Network on the themes of standards and interoperability, technical architecture and language, using as the base the work undertaken by the Commissions Technical Interoperability Work Group [M1-3]

Task 2: Suggest and select members for the 3 work groups:

WG2.1 Standards & Interoperability

WG2.2 Language interoperability

WG2.3 Technical Interoperability

from the Thematic Network Partner Group, appoint work group leaders. Ensure they are invited to the Kick Off meeting.

Task 3: The first plenary/ Kick-Off meeting will also include workshops for each work group to kick start the process. These workshops should be used to hone the areas that the work groups should concentrate on.

Task 4: Show and Tell version in M4, www.EuropeanDigitalLibrary.eu, based on v1.5 of The European Library, giving a place for experiment in the delivery of material from all domains for search and containing the thematic network website and all various prototypes for user and stakeholder testing. [D2.1]

Task 5: Create project plans [Milestone 2.2] [M1-4] for each work group, based on the issues identified at the kick off meeting and related to the overall planning for all work packages. Hold work group meeting to produce a set of recommendations against the D1.1 Report detailing organisational structure [M4]. Implement the project plans [M3-24] using internal meetings of the work groups [up to 5 meetings for each], external largely virtual meetings with stakeholders [up to four on each topic] and various consultation methods. Input into WP1 overall project plan and first roadmap [M 4-7]

Task 6: Discuss recommendations and any issues arising with WP1 and WP3 [M5] and create [D2.2] The initial semantic and technical interoperability requirements according to WP1, organisational requirements and WP3 user requirements to create a maquette of the EDL [M6]

Task 7: Within each work group reach agreement on the best solutions and use the EDLnet Office developers to create series of prototypes for comment by users and future business partners from WP1 and WP3. Maquette and Prototypes M9,12,15,17.

Task 8: Delivery and review the maquette M9 [Milestone 2.3] and of up to 3 prototypes. The first prototype to be delivered in M12, the second if needed in M15. [Milestones 2.4,2.5], In M17 [Delivery 2.3] ensure the delivery of the final prototype for launch by Commissioner. Final prototype should show collections from the four domains and giving access to 6,000,000 digitised items.

Task 9: Delivery of a set of final recommendations for the interoperability and language requirements of a European Digital Library [M17] D2.4: Report on Final recommendations of 3 sub work groups, for standards & interoperability, language and technical solutions for a European Digital Library for use at Commissioners launch and to inform the Commission forward research and eContentplus programme.

Task 10: Creation of an outline functional specification [D2.5] to develop operational European Digital Library [M22], as a subsection of D.1.4, to develop the operational European Digital Library [M22] and set of recommendations for further research for the launch meeting in M22

Task 11: WP Leaders contribute as required to position statements to the final plenary meeting (or launch meeting of stakeholders from the 4 domains. [M22]. Following the final plenary meeting of the network draw up a final position statement for this workpackage, using the final statements. [M24]

(Inter-) Dependencies, milestones¹ and expected result

WP2 is supported by all the other workpackages and takes direction from WP1.

Milestone 2.1: Issues paper for first plenary meeting [month 2], appointment of core work group members [month 2],

Milestone 2.2: Creation of a project plan for each group based on issues identified at kick off meeting to feed into the development of the maquette and prototypes. [M4]

Milestones 2.3, 2.4, 2.5, – Maquette and Prototype development for review [M9,12,15]

Expected results:

- Prototype of a European Digital Library
- Support for the roadmap agreed by the 4 domains for travel towards EDL
- Inputs to project proposal for an operational service of EDL and for ongoing EU research and econtentplus programmes
- Position statement on issues relating to interoperability between the four domains.
- A complete technical and logical specification, ready to be implemented under another funding source

Outcomes might also include for example:

- Agreeing and developing the interoperability requirements on metadata between the different sectors, possibly agreement on one application schema, while allowing all other schemas to continue to operate.
- Deployment of the best of any multilingual solutions.
- Agreeing best practice for the delivery of digital material to ensure its maximum accessibility e.g. xml, possibly data to be in xml and accessible for a crawler – agreement therefore to produce digitised data in the forms required.

Resource in the Office related to this work package is

Programme Director = 2 months

Interoperability Manager = 10 months

General Project Manager = 8 months

Project Leader and Developer = 24 months

Developer = 12 months

Technical Architect Internal = 3

ICT Support & Maintenance = 4

Technical Planning = 7 months

Project Assistant = 5 months

Subcontracts: 100 days WP Leaders

5 days Technical and Logical Architects

¹ Milestones are control points at which decisions are needed, for example concerning which of several technologies will be adopted as the basis for the next phase of the project.

Deliverables

D2.1: European Digital Library experimental or 'show & tell' website is live M4

D2.2: The initial semantic and technical interoperability requirements according to WP1, organisational requirements and WP3 user requirements to prototype the EDL [M6]

D2.3: Fully functioning prototype for launch conference, showing collections from the four domains and giving access to 6,000,000 digitised items [M17]

D2.4: Report on Final recommendations of 3 sub work groups, for standards & interoperability, language and technical solutions for a European Digital Library [M17]

D2.5: Outline Functional Specification to develop operational European Digital Library [M22]

Work package number :	3	Start date:	M1	End date:	M24
Work package title:	Users and usability				
Applicants involved: Participant number	1				
Labour effort (in months) per applicant:	14				

Objectives

Hard objectives:

- Clarify the specific issues related to users and usability and seek to reach consensus between the four domains
- Advise the human and political interoperability work group [in workpackage 1] on the solutions suitable from a user standpoint, for the organisational model selected for the development of EDL
- Design and validate with users of the front end website, much via virtual user groups and through the networks contacts.
- Contribute to the outline functional specification for an operational EDL to be funded as a separate project.

Soft objectives:

- Explore the extent of consensus and seek to reduce differences between libraries, museums and archives and extend areas of agreement on users and usability.
- Help establish a human network of key stakeholders from the 4 domains.
- Help establish a wider [electronic] stakeholder network.

Led by Daniel Terrugi, Institut Audio Visuel with help from EDLnet office

Description of work

This work package seeks to explore the issues relating to users and usability which could influence the development of the EDL. This is an iterative process. The work group makes recommendations against the proposed organisational structure and then user tests the resulting maquette and prototypes. Throughout the lifetime of the network continuous interaction with the other work groups through virtual and board meetings of the WP Leaders.

Task 1: Prepare a framework of issues [Milestone 3.1] from an analysis of usability studies in the museums, libraries, archives and audio-visual archives area for discussion at the Kick Off meeting of the Thematic Network on the theme users and usability [M1-3]

Task 2: Suggest and select members of the work group from the Thematic Network Partner Group. Ensure they are invited to the Kick Off meeting.

Task 3: The first plenary/ Kick-Off meeting will also include workshops to kick start the process. This workshop should be used to discuss further the list of issues and create a set of use cases and recommendations for WP1 and WP2 consideration as well as within Work package 3.

Task 4: Hold work group meetings to produce a set of recommendations against the M4, D1.1 Report detailing organisational structure and create a project plan for the work group, to explore issues identified at the kick off meeting and user test the maquette and prototypes, related to the overall planning for all work packages. [Milestone 3.2] [M1-5]. Implement the project plan [M3-24] using internal meetings of the work group [up to four meetings], external meetings with stakeholders, including users [up to four] and using selected consultation methods, should also make use of the work undertaken in TELplus on usability. Input into WP1 overall project plan and first roadmap [M 4-7]. Create use cases for maquette in work group by M5 finalised post discussion with WP1 and WP2 as D3.1, M6 – User use cases for Maquette.

Task 5: Discuss recommendations and any issues arising with WP1 and WP2 [M5] and input into the creation of requirements for the maquette – Milestone 1.3 of WP1. [M6]

Task 6: User feedback sessions and reports on the maquette and consequent prototypes, M9 – maquette, [Milestone 3.3] and prototypes and approximately M12, M15.[Milestones3.4,3.5], Main report on the User Perspectives of the Maquette and Prototype 2 is Deliverable 3.1, but each user session will generate a

report of user response to prototypes and contribute to shaping the decisions for the next one..

Task 7: Deliver set of final users and usability recommendations for a European Digital Library [M17] D3.2 Report on User perspectives on prototypes M10 and M13 and Final recommendations of Users for Usability work group[M17] for use at Commissioners launch and to inform the Commission's forward research and eContentplus programme.

Task 8: Input into the outline functional specification [D2.5] as a subsection of D.1.4, to develop the operational European Digital Library by Project Leader with strategic input and review from the WP Leader. [M22]

Task 9: WP Leaders contribute as required to position statements to the final plenary meeting (or launch meeting of stakeholders from the 4 domains. [M22]. Following the final plenary meeting of the network draw up a final position statement for this workpackage, [Milestone 3.6] using the final statements. [M24]

Resources: WP Leader – voluntary

TELplus results, Online Surveys, EDLnet Office

General Project Manager = 1 month

Project Leader = 3 months,

Marketing Manager = 8 months

Project assistant = 2 months

(Inter-) Dependencies, milestones¹ and expected result

Is supported by all the other workpackages. Takes direction from WP1. And tests prototypes on users for WP2 and WP1.

Milestone 3.1: Issues paper for first plenary meeting [month 3], appointment of core work group members [month 1- 2],

Milestone 3.2: Creation of a project plan based on issues identified at kick off meeting to feed into the development of prototypes and a set of usability recommendations against proposed organisational structure. [M5]

Milestones 3.3, 3.4, 3.5., Maquette and Prototype reports on user testing [M10,13,16]

Milestone 3.6: Final position statement on issues relating to users and usability between the 3 domains [month 24]

Expected Results

- Inputs to project proposal for an operational service of EDL and for ongoing EU research and econtentplus programmes
- Position statement on issues relating to users between the four domains.

Outcomes might also include for example:

Broad understanding of the similarities and differences between users of the 4 domains

Benchmark for future user studies in the area.

Deliverables

D3.1, User use cases for Maquette. M6

D3.2 Report on User perspectives on prototypes M10 and M13 and Final recommendations of Users for Usability work group[M17]

¹ Milestones are control points at which decisions are needed, for example concerning which of several technologies will be adopted as the basis for the next phase of the project.

Work package number :	4	Start date:	M1	End date:	M24
Work package title:	Concertation & Dissemination				
Applicants involved: Participant number	1				
Labour effort (in months) per applicant:	15				

Objectives	
<p>During the project a lot of work will be required to communicate the activities of the members and workpackages to the outside world, keeping them abreast of developments and issues and giving a feeling of money well spent. A portal showcasing the possibilities of the EDL will be managed together with all the documentation of the work packages. This website should have the capability to attract user comment and conduct user surveys, it should have log files that can be analysed and contain all news and communication relating to the project. This work package will also be responsible for running and maintaining the website/portal, communicating with partners and the media</p> <p>Concertation is a specific aspect of dissemination relating to other projects and activities funded by the Commission. During the running period of EDLnet there will be a considerable number of activities funded by the Commission through eContentplus and FP7 and in other ways [e.g. IDABC - Interoperable Delivery of European eGovernment Services to public Administrations, Businesses and Citizens]. To achieve maximum effect, good concertation will be needed beyond the basic level required by the eContentplus grant agreement. At the negotiation stage and following each relevant call for proposals EDLnet will identify key commission-funded activities and projects and engage with them to seek best fit between their activities and those of EDLnet and also to help ensure that their activities are well understood by the EDLnet stakeholders in support of the network's overall objective to encourage the development of cross-domain public sector content delivery services to appropriate audiences in support of the European Digital Library.</p> <p>Hard objectives:</p> <ul style="list-style-type: none"> • Create and edit a network website that can be used for experimental work and represents the brand we are trying to achieve. • Keep awareness of the forthcoming European Digital Library high in the international and national press and relevant professional journals • Create concertation between willing and relevant eContentplus and IST projects identified at the beginning of EDLnet and the EDLnet partners and audience. • Proactive collaboration with related projects and networks funded by eContentplus, IST or other Commission programmes providing input to them and taking into account relevant outcomes. • Create consistent and high quality access to EDLnet's own results and related developments through its website and dissemination service. • Establishing a wider [electronic] stakeholder network to complement the human network described in WP1. <p>Soft objectives:</p> <ul style="list-style-type: none"> • A confident personal network between willing institutions. • Growing trust and understanding across domains. • Achieve deeper penetration and heightened awareness among the library, museum and archive stakeholder communities in every Member State of the issues and developments relating to interoperability • A larger and more visible community of archivists, librarians and museum people committed to making content available <p>Leadership subcontracted with help from PR/Comms manager in EDLnet Office</p>	

Description of work
<p>Activities include:</p> <p>Task 1: Organise 2 plenary meetings of stakeholders from the 4 domains to discuss all issues including those relating to work packages 1, 2 and 3. The meetings will take place at the beginning and end of the project. [M4, Milestone 4.9 and M22 4.10]. The final plenary meeting [Milestone 4.10] will bring all Thematic Network Partners together and an invited audience in an EDL Policy Conference.</p> <p>Task 2: Public relations press campaign whose remit is column inches mentioning the forthcoming European Digital Library and to create speaking opportunities on radio, television and at conferences – includes creating of a Press List, with the relevant contacts [M1-24]</p> <p>Task 3: Produce an outline dissemination plan [D4.1] for all activities and audiences and update it quarterly to include reports on all dissemination activities.[M4]</p> <p>Task 4. Establish and maintain an EDLnet Thematic Partners Network website, [Milestone 5.1] as part of the EDL site, to publicise the work and for project partners to access the network and work group or work package documents. Ensure the first incarnation of this website is designed with the European Digital Library in mind so that the brand building done in the course of EDLnet can be capitalised upon. [M2]. Include the user of collaborative working tools such as Wiki's to encourage wider participation. [M4]</p> <p>Task 5: Create templates for a general presentation and an electronic and printed leaflet explaining how to contribute to the European Digital Library. [M1-M5]</p> <p>Task 6: Deliver a professional Newsletter at 3-monthly intervals [Milestones 4.2-4.9] to all registered stakeholders and create a Blog to ensure interaction with possible users and stakeholders. [M3-M24]</p> <p>Task 7. Create a conference, EU presidency event and workshop plan and decide who can best represent EDLnet at which event. To include collaborating with country and sector partners to volunteer to organise national meetings on significant interoperability topics and to set up reflector sites in their local language of some of the EDLnet website content. In such a plan identify key commission funded activities and projects, including IST events in 2007 and 2008 [M3-M24]</p> <p>Task 8. Identify other relevant networks, projects, events and agree how to approach them with KB/TEL/EDLnet office. Maintain close coordination with all other WP leaders in support of their work</p> <p>Task 9. Final Dissemination Report [D4.2]</p> <p>Subcontracted 5 months over EDLnet</p> <p>Resource:</p> <ul style="list-style-type: none"> EDLnet Office PR Comms person = 8 months External website designer – look and feel Internal webmaster. = 6 months <p>Project Assistant = 1 month</p>

(Inter-) Dependencies, milestones ¹ and expected result
<p>Supports the work of WP1-3.</p> <p>Better inter-domain understanding leading to greater inter-domain interoperability. Greater synergies and impact between funded activities.</p> <p>Task 1 feeds into all other tasks in the WP and WP6. Task 2, 3, 4, 5 and 6 support all other workpackages.</p> <p>Milestones:</p> <p>Milestones 4.2 -4.9, production of quarterly newsletters.</p> <p>Milestone 4.1 Kick Off conference</p> <p>Milestone 4.10. Final conference [M22 or M24]</p>

Deliverables

¹ Milestones are control points at which decisions are needed, for example concerning which of several technologies will be adopted as the basis for the next phase of the project.

D4.1 Outline Dissemination plan [M4]
 D4.2. Final dissemination report [M24]
 D4.3 Project power point presentation - Purpose [M1]
 D4.4 Network website [M3]
 D4.5 Project power point Presentation – Results [M24]

Work package number :	5	Start date:	M1	End date:	M24
Work package title:	Management and coordination				
Applicants involved: Participant number	1				
Labour effort (in months) per applicant:	14				

Objectives

Led by KB. Ensure the technical and legal compliance of the consortium in its contract with the Commission; manage overall the finances of the project; ensure that the consortium is effectively managed and co-ordinated internally in order to optimise its performance, meet its objectives and produce its agreed deliverables; assure overall the quality of the work of the consortium and the fitness for purpose of its deliverables.

Description of work

Task 1- Financial coordination

KB will receive project finance from the Commission and pay it out to participants in a timely manner, maintain the necessary records, supervise the cash flow and provide the final audit certificate, as required.

Task 2 – Internal consortium management and co-ordination

KB will provide a draft network agreement and supervise the process of its final agreement and signature by the network members; facilitate progress through day-to-day e-mail contact with work package leaders and other partners by means of an e-mail distribution list; convene and provide secretariat support and organise all meetings of the EDLnet Project Management Board and ensure the smooth running of its agreed decision making procedures; ensure that all key project documents and internal support tools are available on the members' website. KB will organise 1st meeting of the WP leaders in July 07 {milestone 5.1}, all NAB and NMB meetings and the kick off plenary meeting of the thematic network's partner group.

Task 3 – Overall monitoring

Synthesise the project plans of the work groups and oversee their coordination and delivery. Provide a monitoring plan and compile and synthesise inputs to the plan so that progress can be monitored on a quarterly basis. Take up and deal with any resulting issues. Oversee at quarterly intervals the effective deployment of the project budget including any necessary budget revisions. Oversee progress at quarterly intervals using reports from the project managers of the work groups and the work package leaders.

Task 4 – Liaison with the Commission

Liaise with the Commission and compile cost claims, progress or final project reports as required by the Commission; obtain any formal documentation to be provided as necessary; organise appropriate attendance on behalf of the project at review meetings.

Task 5 – Evaluation and Quality control

Ensure that all milestones are reached and adequately reviewed and noted by project and task leaders. Ensure project deliverables and key documents are subject to appropriate review by project participants by electronic circulation and discussion at Board meetings. Monitor progress in the delivery of the project's objectives and its adherence to the contracted timetable providing advice and guidance to network members in the case of any problems occurring. Organise data collection processes designed to provide the performance measures described in Section 3.2.

Task 6 – Specification, letting and supervision of sub-contracts

Specific sub-contracts are required to support the network and must be concluded according to the Commission's requirements and Dutch law [restricted call].

Task 7 – Dealing with network membership

Dealing with adding and deleting of network members and documenting this.

Led by the KB and EDLnet Office

Programme Director = 2 months

General Project Manager = 4 months

Finance and Administration Assistant = 8 months

(Inter-) Dependencies, milestones¹ and expected result

All tasks in WP5 relate to each other and to all other WPs.

The expected result is that the project will be delivered on time and on budget with any significant variations agreed by the Commission and properly documented. Monies due to network members will be passed on to them by the coordinator as agreed in the network agreement.

Milestone 5.1: -1 day meeting of WP Leaders in Month 2

Milestone 5.2. Monitoring plan in Month 2

Milestone 5.3 -5.6 Four meetings of the network management board in months 3,9,15,21.

Milestones 5.7. to 5.14 Internal quarterly reports in months 3,6,9,12,15,18,21,24.

Deliverables

D5.1 Interim Report on the first 6-months period (month 7)

D5.2. First Annual report to the Commission (Month 13)

D5.3 Interim Report on the third 6-months period (month 19)

D5.4. Final report to the Commission (Month 25)

D5.5 Network Agreement [Month 3]

D5.6 Financial Statement [M24]

D5.7 Pre-financing Request [M12]

¹ Milestones are control points at which decisions are needed, for example concerning which of several technologies will be adopted as the basis for the next phase of the project.

Deliverables List

Deliverables List				
Deliverable No ¹	Deliverable title	Delivery date ²	Nature ³	Diss. level ⁴
D1.1	Report detailing organisational structure to be used by WP's 2 and 3	[M4]	R	PU
D1.2	Statutes of EDL Legal Entity	[M 7]	O	PU
D1.3	Business plan, with final versions of Governance and Organisation with a roadmap for future	[M15]	R	PU
D1.4	Project proposal for an operational service.	[M24].	R	PU
D1.5	Project work plan covering the network activities and the all the Work Packages together with the first roadmap for the network	[M5]	R	CO
D2.1	European Digital Library experimental or 'show & tell' website is live	[M4]	O	PU
D2.2	The initial semantic and technical interoperability requirements according to WP1, organisational requirements and WP3 user requirements to prototype the EDL	[M6]	R	PP
D2.3	Fully functioning prototype for launch conference, showing collections from the four domains and giving access to 6,000,000 digitised items	M17	O	PU
D2.4.	Report on Final recommendations of 3 sub work groups, for standards & interoperability, language and technical solutions for a European Digital Library	[M17]	R	PU
D2.5	Outline Functional Specification to develop operational European Digital Library	[M22]	R	PU
D4.1	Outline Dissemination plan	[M4]	R	PP
D4.2.	Final dissemination report	[M24]	R	PU
D4.3	Project power point Presentation - Purpose	[M3]	P	PP
D4.4	Project Website	[M2]	P	PP
D4.5	Project power point Presentation - Results	M24	P	PU
D5.1	Interim Report on the first 6-months period	[M7]	R	CO
D5.2.	First Annual report to the Commission	[M13]	R	CO
D5.3	Interim Report on the third 6-months period	[M19]	R	CO
D5.4.	Final report to the Commission	[M25]	R	CO
D5.5	Network Agreement	[M3]	R	PP
D5.6	Financial Statement	[M24]	R	CO
D5.7	Prefinancing Request	[M12}	R	CO

¹ Deliverable numbers in order of delivery dates: D1 – Dn. Deliverable numbers must indicate which workpackage they relate to, e.g. D2.1 for the first deliverable from workpackage 2).

² Month in which the deliverables will be available. Month 0 marking the start of the project, and all delivery dates being relative to this start date.

³ Please indicate the nature of the deliverable using one of the following codes:

R = Report
P = Service/Product
D = Demonstrator/Prototype
O = Other

⁴ Please indicate the dissemination level using one of the following codes:

PU = Public
PP = Restricted to other programme participants (including Commission services and project reviewers).
CO = Confidential, only for members of the consortium (including Commission services and project reviewers).

6. Project management

6.1. Project Management Structure and Responsibilities

Led by the EDLnet Office, under the KB, WP 5 provides the management, co-ordination and residual evaluation activities and the leadership and monitoring activities necessary in an extensive action of this kind. It will ensure the technical and legal compliance of the consortium in its contract with the Commission; manage overall the finances of the project; ensure that the consortium is effectively managed and co-ordinated internally in order to optimise its performance, meet its objectives and produce its agreed deliverables; assure overall the quality of the work of the consortium and the fitness for purpose of its deliverables.

The KB will work under the general policy oversight of CENL. The management arrangements in EDLnet (together with the project plan) aim to provide a safe, effective and flexible environment for the activities of the network. The coordinator and many of the network members have worked together before so the network benefits from (but does not rely only on) good personal relationships from the outset. The plan reflects the need both for formal structure and for a responsive and less formal way of working at operational level. The Director General of DNB, Dr Elisabeth Niggemann, is chair of CENL, which provides additional political strength and coordination and further reduces risk. Although it has no contractual role other than as a member of the network, DNB will do all it can to support the network to symbolise and demonstrate the commitment of all members of the Conference to the project.

KB and the EDLnet Office undertake the financial coordination and the administrative coordination including:

1. Maintaining oversight of the project's finances within its accounting system, receiving income from the Commission and paying it out to beneficiaries and network members;
2. Formally submitting deliverables and other project reports and official communications to the Commission (once agreed by the project manager and workpackage leader)
3. Submitting cost claims and dealing with matters arising
4. Cash flow management
5. Provision of an audit certificate
6. Coordinating knowledge management;
7. After the end of the project, archiving the necessary project records for the period required by the Commission.
8. Organising the 2 plenary meetings of the network's partner group
9. Organising the meetings of the Steering Group and Project Management Board
10. Letting of sub-contracts
11. Network membership issues
12. Preparing the agendas and minutes for all meetings of the EDLnet NMB
13. Ensuring that overall documentation of the project is available and meets stakeholders' needs
14. Represent the network at peer reviews
15. Draft and maintain the network agreement
16. Monitor progress against the EDLnet project plan and the project plans of the Work Groups
17. Oversee the work of the appraisal group
18. Oversee the production of performance indicator data

The KB EDLnet Office will produce an overall monitoring plan for the project in Month 1 so that systems are put in place from the outset to collect required information for essential reports. Although administrative and other reporting to the Commission will be on a 6 monthly basis, progress will be monitored with "shadow" reports at 3 monthly intervals to allow adequate management and oversight. The shadow reports will be in the format of templates which reflect the reporting requirements of the eContentplus programme.

Good communication will be at the heart of the network. An email list has been established and all project documents will be available to download from the network's website. Ensuring good communication (outwards to network members) is the responsibility of WP4 in close cooperation with the EDLnet Office.. It is

the responsibility of all network members to respond to reasonable requests in a timely manner and to complete their reporting obligations as detailed in the network agreement.

Management Structure

As described above there will be 2 levels of management for the project, with the **Network Advisory Board (NAB)** being the advisory and political body and the **Network Management Board (NMB)** as ultimate project authority for the Network, within the framework of understanding that only the coordinator has contractual responsibility for the network. The **Thematic Network Partner Group (TNPg)** is responsible for peopling the work groups and for ensuring agreement and dissemination of the work undertaken in the work packages and for in the creation of the European Digital Library prototype to their own thematic or national based networks. All will be co-ordinated by the EDLnet Office, under the direction of the Director of the EDLnet Office in the KB. The plenary partner group's cohesion will be maintained by means of a quarterly newsletter. The Thematic Network Partner Group envisages modest expansion during the lifetime of the network and will add new members throughout the 24 months.

The project is self-organised along Prince II methodological lines so broken down into discrete Work packages and work groups responsible for specific tasks. The role and functioning of the 5 work groups are described in chapter 5.1

6.2. Project communication mechanisms

The key communication activities, in summary are:

Thematic Meetings in work packages 1-3 2 physical meetings

Work package and work group meetings, 21 physical meetings, 3 to as required virtual meetings.

Project Management Board meetings 4 physical, 4 virtual

Network Advisory Board meetings. 2 meetings

Use will be made of web conferencing software and Skype so meetings will be both physical and virtual

Stakeholder database

All dissemination and interaction will be underpinned by a pan-European database of stakeholders. News alerts, Blogs, RSS feeds, EDLnet newsletters, surveys and calls for comment will all utilise this database.

Written communication

EDLnet Newsletter - A Quarterly Newsletter will summarise progress and interesting news in the area of inter-domain interoperability and will showcase in each issue important developments in individual Member and candidate states. Each issue will be distributed to the entire stakeholder database by email.

Blog to keep an ongoing, current record of project progress the Blog will also feed into the newsletter.

RSS feeds and email to alert project personnel to milestones, reports, deliverables meeting

Regular telephone contact

Web-based dissemination

The EDLnet website is the precursor to the first show and tell European Digital Library website to be launched in September 2007.

Links to other relevant websites

Some promotion to search engines to ensure site is found by interested third parties, but not at the level of encouraging users.

The EDLnet co-ordinator will also support actively the creation of reflector websites, for example hosted by the Thematic Network country partners, in each country, especially where dissemination can be enhanced through the provision of key information in national languages.

EDLnet will also undertake concertation and dissemination activities as described in WP4.

6.3. Risk Analysis and Risk Management

Risks	Impact	Risk Management
The EDL organisational structure is not agreed across the 4 domains before September 07	More difficult to agree organisational structure	Intensive meetings and telephone calls to create buy in across sectors. Find alternative ways of proceeding on organisational structure, so reverse process. Acceptance that progress might have to be made with 3 out of the 4 domains
Organisational structure not agreed by October 07	Problems for WP2 and 3 in terms of reference	Aim for a show and tell environment – so if network divided on organisational structure create mini maquettes to show inherent problems. Facilitation and more workshops should also be considered.
Interoperability recommendations not agreed upon	Will slow down prototyping	Two very experienced individuals should be leading this WP therefore reducing risk considerably
Timing	Timing is very tight to achieve agreement and create working prototypes	Strong project management and attention to delivery dates. Fall back is that TEL continues to develop and take in material, all the knowledge it gains during EDLnet can be deployed.
Some institutions may not wish to engage with EDLnet for the creation of the European Digital Library.	Could lead to division	While there will be the need to work to turn disaffected institutions in strong participants, the remaining institutions will continue the work for the creation of the European Digital Library.
If all domains not participating complete business requirements will be difficult.	Prototypes possibly incomplete	Use of personal contacts in the non-participating domain.
European Institutions not embedded	Lack of funding and of strong networks	Identify where a pan European Institution is unlikely to be able to deliver and temporarily reduce role in network
Strong cultural views on what the EDL should be	Can produce stumbling blocks	Find innovative ways of dealing with cultural diversity
Long term work but short term funding	Difficult to show that work being done will have a concrete long term result	Develop new projects to continue work beyond network life
Developing software for a network	Could get out of sync with the business	Should be done in parallel with the business people rarely understand what they cannot touch and feel.

In all the above scenarios the answer is also to remain flexible and work with organisations which are willing and able.

Risk in this project is reduced by a number of factors:

- The European Library has had some practice in winning over difficult partners and in consensus building
- Many of the participants are part of a bigger organisation and habitually work together

- The senior staff working on the project know and trust each other having collaborated on other projects
- The project's links with CENL are very close, so there is no risk of divergence in the library domain
- The project has experienced and professional project managers
- Good communications within the project will further reduce risk.

Some overlap of personnel between The European Library and the related projects TEL-ME-MOR, EDL and TELplus provides continuity and avoids the risk of duplication of effort or conflict.

6.4. Quality Assurance

Requirement specifications and quality objectives will be clearly defined and documented. Responsibilities and authorities will be clearly defined. The work programme allocates clear, single-organisation, responsibility for each task, even where the responsible organisation has to coordinate inputs from other participants. Development, quality, testing, configuration, acceptance and maintenance plans will be defined and controlled. Agreed definitions of procedures for acceptance and quality control will be established.

Appropriate tools for planning, monitoring and progress reporting will be used. For reporting a standard tool will be selected.

Quality control of deliverables and certain milestones will be undertaken by the appraisal group consisting of the coordinator and the workpackage leaders. Appropriate deliverables [and in some cases, milestones] will be sent to the group for appraisal and their comments will be taken into account in finalising the deliverables. Members of the group will not comment on deliverables for which they are responsible. Disagreements will be resolved by negotiation or by a majority verdict as a last resort.

7. Dissemination and awareness

EDLnet is a Thematic Network and as such its major focus is dissemination and raising of awareness among the library, museum audio visual archive and archive communities. Most of this proposal therefore consists of a description of this kind of work. The key activities, in summary are:

Thematic Meetings in workpackages 1-3

There will be a large kick-off meeting of all network partners, to take a tour d'horizon of all stakeholders and issues and to establish the work groups. There will also be a final meeting, of all network partners, to validate emerging conclusions. At least 9 other thematic or national meetings contributing to understanding and consensus building are envisaged..

Venues will be identified according to the objectives of the meetings. Expected participation levels will be about 30 active stakeholders, drawn from the 3 domains. Representation from a majority of the participating countries will be sought at the two plenary meetings consisting of 50 to 80 participants.

Stakeholder database

All dissemination and interaction will be underpinned by a pan-European database of stakeholders. News alerts, Blogs, RSS feeds, EDLnet newsletters, surveys and calls for comment will all utilise this database.

EDLnet Newsletter

A quarterly newsletter will summarise progress and interesting news in the area of inter-domain interoperability and will showcase in each issue important developments in individual Member and candidate States. Each issue will be distributed to the entire stakeholder database by email.

Web-based dissemination

The EDLnet website will support the project and provide additional means of communication between stakeholders, allowing stakeholders to participate more fully. The new site is expected to be appealing to use, while providing powerful assistance in navigation and concern with ease of use and general visual design. The EDLnet website is the precursor to the first show and tell European Digital Library website to be launched in September.

The EDLnet co-ordinator will also support actively the creation of reflector websites, for example hosted by the Thematic Network partners, in each country, especially where dissemination can be enhanced through the provision of key information in national languages.

EDLnet will also undertake concertation activities as described in WP4.

In addition, the following dissemination activities will be carried out:

- An automatic multimedia PowerPoint presentation of the project. The presentation will be for the general public describing the network, project objectives, challenges and benefits. The first version of the project presentation will be delivered in month 1 of the network and the final version at the end of the project.
- Links to information about activities related to the eContentplus Programme will be shown on the network web-site.
- Provision of articles, fact-sheets, project descriptions, specific PowerPoint presentations, within reason, at the request of the Commission to be used for the dissemination of project activities/results.
- Monitoring of the network information published on the eContentplus website
- Participation in events (e.g. conferences, meetings, workshops, trade fairs, exhibitions) at the request of the Commission.
- Collaboration with related Thematic Networks funded by eContentplus, providing input to and taking into account relevant outcomes.
- Provision of information to the TEL portal (<http://www.theeuropeanlibrary.org>) to enable the establishment of links to the project results (e.g. short description of the underlying digital content and its characteristics and hyperlink to the website where this is accessible).

Events and Meetings

List of Events & Meetings

Meeting	Date (Project month)	Participants	Location
Project Management Board Meeting	5 July 07 M2	WP Leaders, WG leaders, Coordinator	KB, The Hague
Virtual WP and WG meetings if necessary to discuss issues for kick off meeting papers	M2,3	WP Leaders, WG Leaders, EDLnet Office	Virtual
EDL Governance Agreement	12 September 07,	Original invited list, plus their recommendations	KB, The Hague
Kick-off & WP workshops	12-14 September 07	(all participants)	(KB, The Hague)
EDL Legal Entity Exec Group meeting	M4 same time as Kick Off	EDL Exec Group	KB, The Hague
Work Group meeting Human & Politcal	M5 – 2 days	Work Group	Various locations, within budgets.
Work Group meeting Standards & Interoperability	M5 – 2 days	Work Group	Various locations
Work Group meetings - Language	M5 – 2 days	Work Group	Various locations
Work Group meetings – Technical Interop	M5 – 2 days	Work Group	Various locations
Work Group meetings- Users	M5 – 2 days	Work Group	Various locations
Work Group meeting Human & Political	M7 – 2 days	Work Group	Various locations, within budgets.
Work Group meeting Standards & Interoperability	M7 – 2 days	Work Group	Various locations
Work Group meetings - Language	M7 – 2 days	Work Group	Various locations
Work Group meetings – Technical Interop	M7 – 2 days	Work Group	Various locations
Work Group meetings- Users	M7 – 2 days	Work Group	Various locations
Virtual Prototype Review meeting	M10	NAB, PMB Work Group's 1 Human & Political 3 Technical Interop 1 Users	virtual
EDL Legal Entity Board meeting	M11 or M12	EDL Board	t b d
Project Management Board Meeting	M12	WP Leaders, WG leaders, Coordinator	KB, The Hague
User Review of Prototype	M12	WP3 and Users	t.b.d
Business Models meeting	M12	WP1	tbd
Work Group meetings	M13	Work Group's 3 Technical Interop 1 Users	t.b.d
Virtual Prototype Review meeting	M13	NAB, PMB Work Group's 1 Human & Political 3 Technical Interop	virtual
Review Meeting	M13	WP Leaders, CO, Reviewers, Coordinator,	Luxembourg
Virtual Project Management Board Meeting	M14	WP Leaders, WG leaders, Coordinator	virtual
User Review of Prototype	M15	WP3 and Users	t.b.d
Work Group meeting Human & Politcal	M16 – 2 days	Work Group	Various locations, within budgets.
Work Group meeting Standards & Interoperability	M16 – 2 days	Work Group	Various locations
Work Group meetings - Language	M16 – 2 days	Work Group	Various locations
Work Group meetings – Technical Interop	M16 – 2 days	Work Group	Various locations
Work Group meetings- Users	M16 – 2 days	Work Group	Various locations
Project Management Board Meeting	M19	WP Leaders, WG leaders, Coordinator	KB, The Hague
2 nd Plenary + Policy Conference	M22	All	t.b.d
Review Meeting	M24	WP Leaders, CO, Reviewers, Coordinator,	Luxembourg

Concertation meeting	(once a year)	EDLnet and other networks	t.b.d
(Programme Conference and Exhibition)	(once a year)	EDLnet, other projects, invited guests	t.b.d

8. Other Contractual Conditions

A "Network Agreement" (D1.1) will be delivered at the beginning of the project. It will contain clear indications on criteria for membership of the network, and indicate how decisions are taken on admission/suspension/termination of membership. It will also describe the rules for allocation of the travel budget.

Travel costs allocated to beneficiaries other than the KB/EDLnet Office will be allocated according to general criteria validated by the Network Management Board rather than as a fixed amount per country. For each Thematic Meeting and the Final Conference nominations for participation will be sought from each country and a decision to invite specific participants will be made by EDLnet Office based on their expertise and the budget allocated to that event. Over the project, an equitable distribution of participation between all EU member states will be sought. A proportion of costs may, where necessary, be used to meet eligible local costs of venue hire, equipment and catering associated with thematic and national meetings.

The Thematic Network Partner Group member will each contribute a substantial amount of free effort in areas such as the identification of and liaison with experts nominated to attend Thematic Meetings, the organisation of National meetings, the supply of information to the EDLnet website, the establishment of national 'reflector' websites etc.

Subcontracting

Please provide an overview of the Subcontracting foreseen by the partners and the respective cost estimates

KB/EDLnet Office will subcontract to a number of expert analysts, with experience and expertise in the technical areas of architecture, semantic and technical interoperability, language, and in the communication area of concertation and dissemination. Subcontracted experts will provide major inputs in their areas of expertise in the following area of work:

- Professional leadership of and/or participation in the work packages described which are relevant to their expertise, as agreed with and reporting to the Co-ordinator
- Preparation of issues in their work packages prior to the Kick Off meeting of the Thematic Network Partner Group.
- Participation in the identification and selection of speakers and participants for Meetings in their area of expertise and for the Final Conference.
- Provision of expertise in the areas of their work groups and in the creation of deliverables and reports.
- Adherence to milestones in any work package they are leading.
- Identification and provision of news items, newsletter contributions, external reports, directory, listings etc for the EDLnet website.
- Promotion of EDLnet to potential stakeholders and liaison with European Associations active in the area of their expertise, in order to assist the process of formation of an EDL Legal Entity.
- Participation, as required by the Co-ordinator, in Project Management Board meetings and professional meetings of the project team.

Subcontractors will be appointed in the following areas of expertise:

Technical and Semantic Interoperability

Technical and logical architecture

Concertation and Dissemination

Facilitation

Where necessary and appropriate, the work in each area may be divided between more than one subcontractor. The total value of these subcontracts will not exceed 180,000 Euros (15% of the total budget) for the Thematic Network.

Subcontractors are envisaged for Workpackages 1, 2, and 4

For WP1 A Facilitator will be deployed to help organizations to reach compromise on more intransigent problems

Cost: 20 days at 750 per day = 15,000

For WP2 The workpackage will be subcontracted to experts in technical and semantic interoperability

Cost: 100 days at 600 euros per day = 60,000 euros

The services of a technical architect will be required for the creation of the outline functional specification

Cost: 10 days at 500 euros per day = 5,000 euros

For WP4 The workpackage will be subcontracted to experts in concertation and dissemination

Cost: 100,000

Subcontracting total costs = €180,000

Other specific costs

Webhosting and software for prototypes	30,000
Meeting costs	17,900
Design of website	10,000
User testing	15,000
Legal costs	15,000
Total Cost	87,900

Pre-financing schedule

Most of the planned work will be performed in the first year in order to achieve the objective set the launch of the European Digital Library by October 2008. Therefore the pre-financing instalments will be as follows as follows:

Coordinator Short Name	Total Costs	Community Contribution	Community pre-financing	
			First instalment	Second instalment
KB	1,300,000	1,300,000	650 000	390 000

The budget reserved for travel and subsistence of network members is estimated to € 288,803-----.

The coordinator may request the payment of the pre-financing instalments subsequent to the first according to the following schedule:

- Second instalment as of month 12

9. Appendix – Description of the Network

European Digital Library Network - EDLnet

The EDLnet Thematic Network will consist of three 'layers':

- A Co-ordinating Partner Koninklijke Bibliotheek/EDLnet Office (KB/EDL), responsible for facilitating its operation
- Thematic Network Members from each of the four domains of Museums, Archives, Audio-Visual Archives and Libraries and as representative of each EU country as possible
- Registered Stakeholders with a separate status from Network Members.

Co-ordinating Partner (KB/EDL)

In line with the financial eligibility requirements for a Thematic Network, a single co-ordinator KB/EDL Office will provide the range of expertise required to coordinate the network, develop prototypes against requirements and create the process necessary for a long term sustainable organisation.

In addition to its in-house core team, KB/EDL will employ a number of subcontracted experts with extensive experience and an excellent track records in the areas Semantic and Technical Interoperability, Concertation and Dissemination and Facilitation.

The team will include the following specialists:

Founded in 1798, the **National Library of the Netherlands (KB)** was named Koninklijke Bibliotheek in 1806 and was declared the National Library in 1982. The KB, through the European Library office, leads WP1, integrating the target libraries into The European Library. The main mission of the National Library of the Netherlands is to preserve the national printed and written heritage. As a depository library the KB collects and preserves all publications that are issued by officially registered Dutch publishers, and in addition a good deal of Dutch grey literature. As a scholarly library the KB serves the academic community and individual scholars. The KB carries out special tasks relating to the national information infrastructure, library cooperation, library research and the application of technology in information systems.

The KB operates the European Library Office on contract from CENL.

The European Library is an activity of CENL. It is the operational result of the TEL Accompanying Measure, a former FP5 project that successfully completed its work early in 2004. Partners included eight European national libraries along with ICCU, the Italian central cataloguing institution and CENL. The European Library has established a professionally managed single access point to the holdings of all the partner National Libraries so that the informed citizen in any country can utilise the resources not only of his or her own national library but also, during the same search session, the resources of any other partner national libraries which may hold material relevant to his or her interest. This discovery and access tool is intended to be multilingual and support the character sets in use in CENL countries. The European Library was launched as a public service of CENL at the beginning of 2005 providing access to the founding partners' collections (national libraries of France, Italy, Germany, Netherlands, Portugal, United Kingdom, Switzerland, Finland, Slovenia). The European Library has a staff of full time experts and administrators (The European Library Office) located at the National Library of the Netherlands in The Hague. A management board consisting of the full subscription partners and the Chair of CENL governs the European Library. This management board mandates an Executive Group to make decisions on its behalf. The Executive Group is made up of 4 permanent members and two rotating ones.

Jill Cousins is Director of The European Library. She has a strong web publishing background, having worked for VNU as their European Business Development Director and then transferred the lessons learnt from commercial business-to-business publishing to scholarly publishing working for Blackwell Publishing and several other academic publishers in the UK. Prior to a publishing career, she worked in the online environment for many years, first as a researcher try to obtain information and then as the Marketing Director for Online Information. Jill has long been an advocate of interoperability and ergonomic, user driven design and open standards. She has been involved in several international publishing industry bodies aimed at achieving this, such as CrossRef and COUNTER. Now combining the skills of web publishing, marketing, research knowledge and business development she heads up the operational www.TheEuropeanLibrary.org. Jill holds a Ph.D in 16th Century Arabic and Turkish Sea Charts.

Theo van Veen is a member of the research and development department of the Koninklijke Bibliotheek, National Library of the Netherlands. After getting his degree in physics at the Technical University Delft and working in the area of psychophysics and later in process automation, he started in 1988 his ICT/library career at the University Library in Utrecht. Since 2001 he was involved in The European Library project as leader of the work package on metadata development, and he contributed to the development of the SRU protocol in The European Library project. Currently he is participating in the renewal of the infrastructure of the Koninklijke Bibliotheek.

The TEL Office will contribute directly to EDLnet through its Director, Technical Team Manager, Interoperability Manager and Senior Developer. In addition to the above an EDL Office will employ the following kinds of staff to work on EDLnet:

Project Manager: to ensure overall control, adherence to deadlines and management of dependencies as well as the production of project plans and daily management of staff. This person will have extensive experience in technology based projects and have executed other pan European projects. They will have applied Prince II.

Project Assistant – the administrative task of this network and its deliverables will be quite large. A project assistant with strong administration skills able to coordinate meetings, write up minutes, manage financial reporting to the Commission and support the project manager and team is important.

Technical Developers x 2 preferably with language expertise, metadata knowledge and database and web knowledge. These people will be responsible for creating the prototypes.

Public relations/communications assistant – at the project stage of the network a strong public relations campaign across Europe will make partners and potential partners feel motivated to contribute. Post the project stage this needs to turn in a user attraction programme using search engine promotion and web marketing in the main. Post project a Marketing Manager will be needed with assistants for public relations and communication. This person will have experience in conducting PR campaigns at a European Level with a good journalist and editorial network.

Thematic Network Members

Thematic Network partners who will act as expert correspondents have been identified for most Member States and will be nominated for the remainder. Network members will work with the network to organise meetings and to validate and enhance its preparatory work, analyses and reports..

Forms from organisations are submitted with this proposal as listed below. They represent a mixture of Pan European Associations, Country– wide Institutions and Individual public bodies from one of the four domains.

EDLnet will engage with the thousands of libraries, museums and archives with digital content through the associations which represent them called **Sector or topic** members. The sectors to be engaged by EDLnet are:

- Libraries
- Museums
- Archives
- Audio visual broadcasting and films
- Users
- Other projects and networks [for concertation]

Sector or topic members will normally be organisations based in countries eligible to receive eContentplus funding and representing the interests of a relevant sector or part of a sector at supranational [normally European] level and capable of having a multiplier effect. This also includes organisations dealing with specific issues relevant to one or more sectors and issues of concern to the network [e.g. ECPA]. Sector or topic members are mainly networks or associations, but exceptionally, individual entities [e.g. companies, libraries, museums or archives] may also join in this category if they are a leader in a field in practice essential to the network's objectives or have leading experts on their staff and are able to play a multiplier role [e.g. Czech N BNF]. To identify potential stakeholders for EDLnet CENL has looked carefully at the list of organisations which responded to the Commission's consultation on digital libraries and at the membership of the High Level Group, both of which are well represented. **This category of membership will remain open once the network contract comes into effect, the EDLnet Board will decide the admission of new members.**

Sectors and topics were well covered at the proposal stage but EDLnet will also seek to attract additional strong museum and archive partners into membership, especially the relevant associations, therefore additional key public bodies in the domains will be added to the Network during the lifetime of the network

Admission of any new member to the network will by decision of the Network Management Board.

EDL Net Partner Organisations

Participant Role	Partner No.	Part. Short Name	Participant name	Country	Date Entered Project	Date Exit Project
CO	1	KB	Koninklijke Bibliotheek, The National Library of the Netherlands	Netherlands	1	24
Network Member	2	CENL	Conference of European National Librarians	Germany	1	24
Network Member	3	Veria	VERIA CENTRAL PUBLIC LIBRARY	Greece	1	24
Network Member	4	NLP	Národní knihovna České republiky	Czech Rep.	1	24
Network Member	5	RR	Eesti Rahvusraamatukogu (National Library of Estonia)	Estonia	1	24
Network Member	6	NBU Library	New Bulgarian University Library	Bulgaria	1	24
Network Member	7	SNK	Slovenská národná knižnica (Slovak National Library)	Slovakia	1	24
Network Member	8	NUK	NARODNA IN UNIVERZITETNA KNJIŽNICA	Slovenia	1	24
Network Member	9	VUFC	Vilniaus universitetas	Lithuania	1	24
Network Member	10	K.U.Leuven	Katholieke Universiteit Leuven (Catholic University of Leuven)	Belgium	1	24
Network Member	11	DKB	Det Kongelige Bibliotek (The Royal Library)	Denmark	1	24
Network Member	12	LNB	LATVIJAS NACIONĀLĀ BIBLIOTĒKA (National Library of Latvia)	Latvia	1	24
Network Member	13	NL Sweden	Kungl. Biblioteket, National Library of Sweden	Sweden	1	24
Network Member	14	DNB	Deutsche Nationalbibliothek	Germany	1	24
Network Member	15	KV	Ministry of Education and Culture, Kypriaki Vivliothiki	Cyprus	1	24
Network Member	16	FLLB	Liechtensteinische Landesbibliothek	Liechtenstein	1	24
Network Member	17	MLA	Museums, Libraries and Archives Council	UK	1	24
Network Member	18	MiBAC MICHAEL	Ministero per I Beni e le Attivita Culturali becomes	Europe	1	24

Participant Role	Partner No.	Part. Short Name	Participant name	Country	Date Entered Project	Date Exit Project
			Multilingual Cultural Heritage			
Network Member	19	BnL	Bibliothèque nationale de Luxembourg	Luxembourg	1	24
Network Member	21	ECPA	European Commission on Preservation and Access	Netherlands	1	24
Network Member	22	ABM	Norwegian Archive, Library and Museum Authority	Norway	1	24
Network Member	23	ÖNB	Österreichische Nationalbibliothek	Austria	1	24
Network Member	24	NLF	National Library of Finland	Finland	1	24
Network Member	25	NSZL	National Széchényi Library	Hungary	1	24
Network Member	26	NAPLE	NAPLE - National Authorities on Public Libraries in Europe	Denmark	1	24
Network Member	27	NLN	Nasjonalbiblioteket, National Library of Norway	Norway	1	24
Network Member	28	BnF	Bibliothèque nationale de France	France	1	24
Network Member	29	BNP	Biblioteca Nacional de Portugal (National Library of Portugal)	Portugal	1	24
Network Member	30	UCC	University College Cork	Ireland	1	24
Network Member	31	CIMEC	Institutul de Memorie Culturală	Romania	1	24
Network Member	32	EBU	The European Broadcasting Union (EBU)	Switzerland	1	24
Network Member	33	IMSS	Istituto e Museo di Storia della Scienza	Italy	1	24
Network Member	34	LIBER	Ligue des Bibliothèques Européennes de Recherche (LIBER)	Netherlands	1	24
Network Member	35	EBLIDA	EBLIDA (European Bureau of Library, Information and Documentation Associations)	Netherlands	1	24
Network Member	36	LBS-HBS	Landsbókasafn Íslands – Háskólabókasafn /National and University Library of Iceland	Iceland	1	24
Network Member	37	ACE	Association des Cinémathèques Européennes (ACE)	Germany	1	24
Network Member	38	FIAF	International Federation of Television Archives	France	1	24
Network Member	39	CERL	Consortium of Research Libraries	Netherlands	1	24

[AT] AUSTRIA

Austrian National Library (ONB), Österreichische Nationalbibliothek, is the legal deposit and main scientific library of the Republic of Austria. As an information centre for providing services, the ONB offers access to and professionally competent advice on its own holdings (around 7,5 million objects), and links to

international electronic resources and digital library services. The Austrian National Library is committed to preserve a variety of digital material including deposited electronic (online and offline) publications in various formats, electronic theses, e-prints, offline media on various carriers, digital surrogates emerging from large-scale in-house digitisation projects and material resulting from web harvesting.

The Austrian National Library has been successfully contributing to international digital library initiatives and research projects for many years. ONB has been involved in several EC digital library projects (e.g. TEL). Currently ONB is work package leader in the FP6 IP BRICKS project, in eContent EDL project as well as in the eContent reUSE project. Previous EC projects in the digital library domain include MALVINE, LEAF, and REGNET. In September 2005 ONB has been co-organizer of the European Conference on Research and Advanced Development for Digital Libraries (ECDL 2005). In EDLnet ONB is the country partner for Austria.

[BE] BELGIUM

Library of the Katholieke Universiteit Leuven is the oldest university in the Low Countries. It incorporates a network of 12 libraries with a staff of 175. The library's IT division provides services to over 20 institutions (universities, but also public libraries, archives, museums, polytechnics, research institutes and private firms) plus the provincial public library network of Flemish Brabant, and manages a union catalogue of over 3m records. The library is a member of LIBER and hosts the secretariat of the Flemish Association of Academic Libraries. It is also a member of the Belgian Conference of University Libraries. Eleven high schools (polytechnics) throughout Flanders make up the membership of the Association of K.U. Leuven and there is an active co-operation between their libraries on policy and service matters. Mel Collier [the University Librarian] is secretary of the Flemish association of university libraries and a member of LIBER. KUL has a large network of cooperating organisations (not just universities, but also public libraries, archives, museums, polytechnics, research institutes and private firms who take library systems and other IT facilities and support from our library IT division, LIBIS. The wider network is called LIBISnet. The Catholic University of Louvain acts as the country partner for Belgium.

[BU] BULGARIA

The **Library of the New Bulgarian University** (NBU Library) is a modern information centre that offers wide variety of library, reference and information services to its patrons. It is involved in cooperation activities at international and national level. It is an active member of LIBER (Ligue des Bibliothèques Européennes de Recherche) and follows UNESCO recommendations on libraries policy making. On the national level, it is an active partner and initiator for the foundation of the Bulgarian Information Consortium (BIC). The mission statement of the Bulgarian Information Consortium is to provide the best information resources at the best possible price to Bulgarian users, applying high professional selection criteria and offering the best services. BIC is supported by the eIFL network and brings EIFL's worldwide dissemination support into the network. The National University Library acts as the country partner for Bulgaria.

[CY] CYPRUS

The Cyprus Library (Kypriakí Vivliothíke) dates back to 1927. The Library comprises the Central Library and the Children's Library. In the Central Library the total number of volumes exceeds 80,000 items, highlighted by a strong collection of Cypriot materials and the Children's Library has about 4,000 books, mainly in the Greek language. The Library is also a depository for UN documents. The library is a partner in the The European Library-ME-MOR project and is the country partner for Cyprus.

[CZ] CZECH REPUBLIC

The main mission of the **National Library of the Czech Republic** (Národní knihovna České republiky) is twofold: to be the archive library for documents issued on the territory of the Czech lands and to be a public research library especially in the domain of humanities, pure natural sciences, culture and arts. Its history is connected with the foundation of the Charles University in 1348. The National Library's collection includes over 6 million volumes and yearly, it acquires about 80 thousand new titles. It provides services to around

one million users every year, most of whom are university or college students, teachers, academics, scientist, and scholars. It acquires, preserves, continuously updates, and provides access to rich collections of both domestic and foreign documents, especially of Bohemica and documents from the spheres of social and natural sciences. The National Library is one of the principal driving forces behind the CASLIN project (a library information network linking Czech and Slovak libraries) which resulted in a programme to build the Union Catalogue of the Czech Republic. A number of significant public and scientific libraries have been contributing to this programme. The National Library is the country partner for the Czech Republic. Adolf Knoll is deputy director of the National Library of the Czech Republic responsible for strategic planning, research, and technological development and also a member of the High Level Expert Group.

GERMANY [DE]

The National Library of Germany (DNB) has coordinated numerous European projects among which the CENL projects TEL and TEL-ME-MOR. Elisabeth Niggemann, Director General of DDB, is also the Chair of CENL, a member of the European Commission's High Level Expert Group on Digital Libraries and provides the CENL secretariat. In EDLnet the DNB is the country partner for Germany.

CENL, The Conference of European National Librarians is a foundation under Dutch law with the aim of increasing and reinforcing the role of national libraries in Europe, in particular in respect of their responsibilities for maintaining the national cultural heritage and ensuring the accessibility of knowledge in that field. Members of CENL are the national librarians of all Member States of the Council of Europe. The conference currently consists of 45 members from 43 European countries. Its members pay a subscription, exchange information, meet annually and work together on strategic issues of common interest. Various CENL members have been involved in successful EU projects under FP4, FP5 and FP6 including NEDLIB, BIBLINK, CoBRA, INTERPARTY, MALVINE, TEL (The European Library), TEL-ME-MOR and recently EDL (The European Digital Library). CENL is currently chaired by Elisabeth Niggemann, director of DNB and member of the High Level Expert Group.

The **Association des Cinémathèques Européennes (ACE)** is an affiliation of over 30 national and regional preservation film archives from all over Europe. Its joint role is to protect the European film heritage and to assure that the audio-visual records of our century survive to be enjoyed and studied for generations to come. ACE has participated in numerous European projects regarding film archiving and preservation and training for audiovisual professionals. The beginning was made with the project LUMIERE funded by MEDIA I, followed by ARCHIMEDIA funded by MEDIA II. ACE also received grants from RAPHAEL for the continued support of a search for lost European films; from CALEIDOSCOPE for the technical research project All the Colours of the World (the restoration of silent film colouring systems); and from LEONARDO for the Internet project *Film Archives Online*. ACE represents film archives and audio-visual media in the network. Claudia Dillman, president of ACE is also a member of the High Level Expert Group on Digital Libraries.

[DK] DENMARK

The **Royal Library, the National Library and Copenhagen University Library** strives to be among the leading national and university libraries in Europe in light of the rapid revolutions in knowledge production and dissemination and convergence between types of media. As a national library it is entrusted with collecting, preserving and making available to the public, the national cultural heritage of both Danish and foreign origin in the form of published works (books, periodicals, newspapers, ephemera, manuscripts, archival materials, maps, pictures, photographs, printed music in conventional or digital forms. As a university library the institution is the main library for the University of Copenhagen and must deliver the most relevant and comprehensive scholarly and scientific literature for research and higher education. In addition, information resources are provided for the public, both the business community and the public sector. The Royal Library is the country member for Denmark. Erland Kolding Nielsen is Director of the Royal Library and President of LIBER

The **Ligue des Bibliothèques Européennes de Recherche (LIBER)** is the principal association of the major research libraries of Europe. It was founded in 1971 under the auspices of the Council of Europe. Its current membership includes research libraries of more than thirty countries, mainly but not only, in Europe. Its overall aim is to assist research libraries in Europe to support a functional network across national

boundaries in order to ensure the preservation of the European cultural heritage, to improve access to collections in European research libraries, and to provide more efficient information services in Europe. LIBER activates in the promotion of the discussion about the future of MARC Harmonization among European research libraries as well as the development of the principles of the Open Archives Initiative (OAI) at the European level. LIBER represents research libraries in the network.

NAPLE- National Authorities on Public Libraries in Europe was founded in 2002 following an EU-conference on public libraries that was organised in Lisbon in 1999. It is an international non-governmental association pursuing the interests of the national library authorities in Europe. Its main aim is to promote principles and strategies for public library policies: to inform on the present state of the art of public libraries in Europe; to inspire to further national development of library services; to identify areas suitable for co-operation in the new Europe; to identify topics and areas for mutual future investigation and research and to support coherent European library policy development. NAPLE represents public library authorities in the network.

[EE] ESTONIA

The **National Library of Estonia** (Eesti Rahvusraamatukogu) is a legal entity in public law which operates pursuant to the National Library of Estonia Act. The collegial decision-making power is vested in the Supervisory Board of the National Library, appointed by the Riigikogu. The National Library of Estonia is: a national library collecting, storing and making publicly accessible items published in Estonia, in Estonian, or about Estonia, regardless of their place of publication, and maintaining the State database for a national bibliography of Estonian documents; the national centre for statistics on book publishing and Estonian libraries; the national ISBN, ISMN and ISSN agency; a parliamentary library providing information services to the Parliament (Riigikogu), the Government, to government institutions and the Office of the President; a research library for the Humanities and Social Sciences providing information for research activities and offering a wide range of information services; a LIS information centre that provides LIS information to those interested and further training in the LIS field in Estonia; the publisher of material on library and book science as well as the journal *Raamatukogu* (Library), the only Estonian scholarly periodical for librarians; an active member of the international library community; a cultural centre where various book and art exhibitions are held, along with concerts, conferences, theatre performances, film presentations and other cultural activities. The library leads the dissemination workpackage in the TEL-ME-MOR project. The National Library is the country partner for Estonia.

[FI] FINLAND

The Helsinki University Library (*Helsingin yliopiston kirjasto*) was renamed this year to *Kansalliskirjasto*, the **National Library of Finland**. The library will remain an independent institute of the University of Helsinki. According to the amended Act, the National Library's duty is to offer national services to university libraries, polytechnic libraries, and specialised and public libraries. The purpose of the expansion of the library's duties is to strengthen the Finnish library system and the position of the National Library as a development centre for library services. The joint services offered by the National Library include national databases, acquisition of online resources, software for the digital library, development of standards and formats, and compiling the Finnish Research Library Statistics. These services will be developed in close cooperation with the entire library sector. The new name also highlights the status of the library as the preserver of the Finnish national cultural heritage. The library's legal deposit mandate extends to sound and image recordings. IN EDLnet the library is the country partner.

[FR] FRANCE

With a history spanning 7 centuries, the **National Library of France** (Bibliothèque Nationale de France) is one of the most prestigious cultural institutions in the country. Its mission is to collect, preserve and make publicly available the national output of print and electronic editions. It is a leading organisation in research in these fields and has collaborated in numerous projects nationally and internationally. Its collections develop through legal deposit, donations and international exchanges. A number of electronic resources can be consulted on site (CD Roms, databases, online journals and the digital library). The latter is called Gallica and opened to the general public around the world since 1997. It serves as a digital encyclopaedia and consists of: printed materials (books, journals, newspapers, printed music, and other documents), graphic

material (engravings, maps, photographs, and others), and sound recordings. BnF is the country partner for France in EDL Net.

The **International Federation of Television Archives** (FIAT) was set up in Rome in 1977, by ARD (Germany), BBC (UK), INA (France) and RAI (Italy). Gathering 180 members coming from over 70 countries, FIAT/IFTA is presently the most important professional organisation in the field of broadcasting archives. Its membership is drawn from public and commercial broadcasters, national audiovisual archives and technical companies catering to the broadcasting industry. It's key areas of professional concern are preservation; migration policies to the digital environment: metadata, cataloguing and documentation; media management, provision for access to archived materials; commercial exploitation of these archives; encouragement of audiovisual production based on archives; and addressing of related issues such as Rights and Intellectual Property Rights. In EDLnet FIAT represents television archives and the audio-visual sector. Emmanuel Hoog, president of the French Institut National d'Audiovisuel, is also president of FIAT and member of the i2010 Digital Libraries High Level Group.

[GR] GREECE

Veria Central Public Library (Veria), founded in 1952, is one of the major Greek Public Libraries since it serves, under Law, the whole region of Central Macedonia. It brings wide knowledge of public libraries throughout Europe to the network. It acts administratively under the Ministry of Education but is also linked with a large network of cultural institutions. Veria participated in a number of EU funded operations: MOBILE Libraries programme (1994-1996), Public Libraries Development Project-Phare programme (1997-1998), PUBLICA-Libraries programme (1997-1999), ISTAR (1997-2000) and PULMAN-IST (2001-2003). Veria also participated in the CALIMERA-IST project (2003-2005), concerning best practice development for public libraries. In both Pulman and Calimera, Veria was responsible for dissemination. Also, Veria is responsible for the development of portals for all Greek Public Libraries funded by the National Information Society fund. Finally Veria is participating (Lead Partner) in project Light, funded under Interreg III C East. The overall objective of the operation Light is to provide Public Libraries and other relevant institutions with the required platform of cooperation, methodologies and know-how so that they can contribute to their regional development policies. Veria Central Public Library is the country partner for Greece.

[HU] HUNGARY

The **National Széchényi Library** is the national library of Hungary. Its main task is to collect, process and preserve all the written heritage of Hungary and all documents pertaining to it. The collection of Hungarica (all the books and other documents published in Hungary, and publications related to Hungary or to Hungarians published abroad) is to be carried out continuously to the fullest extent possible and these materials are to be available for the users whether in the form of parchment, paper or electronic medium. The National Library of Hungary is the country member for EDL Net.

[IE] IRELAND

Boole Library is the University library of the Cork College. The Library was named after George Boole, the first Professor of Mathematics at Queen's College, Cork (now UCC) and inventor of the Boolean algebra. The Automation Department is heavily involved in national and international library activities. John FitzGerald, head of the Automation Department represents University College Cork on a range of local, national and international library committees and regularly acts as a reviewer and evaluator of EU-funded R&D projects on behalf of the European Commission in the areas of Digital Libraries and Cultural Heritage. He has also served as Chairman of the Consortium of National and University Libraries of Ireland, Chairman of the CHIU (Conference of Heads of Irish Universities) Librarians' Group, Chairman of the Cork Archives Institute. He is currently a member of An Chomhairle Leabharlanna, the Irish Library Council, having been nominated by the Higher Education Authority. The Boole Library is the country member for Ireland.

[IS] ICELAND

National and University Library of Iceland (LBS-HBS, Landsbókasafn Íslands – Háskólabókasafn) is putting a lot of effort into the digitisation of the Icelandic printed cultural heritage having already digitised

about 1.1 million pages of documents. This includes 500 old maps of Iceland, manuscripts and books related to the Icelandic Sagas (393.000 p.), Icelandic journals and newspapers published older than 1920 (270.000 p.), Morgunbladid, the main Icelandic newspaper 1913-2000, (400.000 pages), books and manuscripts (30.000 p.) and newspapers and journals from the Faroe Islands and Greenland (46.000 p.). All this is available and searchable through the web www.bok.hi.is. The Library digitises about 300.000 pages a year now, and the aim is to add new processing lines that will double the production of Icelandic material on the web. LBS-HBS is a member of the EDL project and will be the country member for Iceland.

[IT] ITALY

MICHAEL started as the joint collaboration between the ministries of Culture of France (MCC), Italy (MiBAC) and the UK (MLA). It is a project funded under eTen and it aims to implement an innovative multilingual open source platform that will be equipped with a search engine to provide access to distributed cultural resources from museum and archives across Europe. The consortium has grown through the continuation of the project in MICHAEL Plus to incorporate more European ministries, archives and cultural institutions. In EDL Net the **Ministero per i Beni e le Attività Culturali** (MiBAC), the Italian Ministry of Culture represents MICHAEL. MiBAC will contribute in particular to the development of the roadmap towards the European Digital Library, bringing into EDLnet the experience and the knowledge of the MICHAEL and MINERVA projects that MiBAC coordinated in the last years. MiBAC will also contribute with the knowledge of the MINERVA about the Quality issues and in particular the experience of OTEBAC (the service centre established by the Italian Ministry of Culture to provide assistance to the Italian cultural institutions about the quality of cultural websites).

The **Museum and Institute for the History of Science**, the Istituto e Museo di Storia della Scienza [IMSS] was founded in 1927 at the initiative of the University of Florence. According to its Statute, its function was that of collecting, cataloguing and restoring ancient instruments and devices of historical and scientific interest. Nowadays IMSS has evolved to be one of the foremost international institutions in the History of Science, combining a noted museum of scientific instruments and an institute dedicated to the research, documentation and dissemination of the history of science in the broadest senses. The museum, the specialized library, the archives, the multimedia, photographic and restoration laboratories provide an integrated whole in the service of disseminating scientific culture, capitalizing on Italy's technical/scientific heritage, while continuously updating research in the history of science and technology. The Istituto e Museo di Storia della Scienza is the country partner for Italy in EDL Net.

[LV] LATVIA

The **National Library of Latvia** (Latvijas Nacionālā Bibliotēka) is the largest research library in the country. Its mission is to facilitate the stable and ongoing development of the spiritual and intellectual abilities of the Latvian population, acting as the centre for development of the library system in Latvia, establishing collections of information resources, and providing information to various national programs. The Library participates in the implementation of various library-related programs in Latvia, does methodical and scientific research work, publishes bibliographic indexes and collected articles on book science and librarianship, enacts the initiative for a process of library standardisation, and participates in the work of international library organisations. The National Library of Latvia is very important in providing information to the institutions of state governance. It provides services to the Latvian Parliament, the Office of the State President, the Cabinet of Ministers and most of the government ministries. It is an active member of the international Biblioteca Baltica network which it also represents in the network. Latvijas Nacionālā Bibliotēka will be the country member for Latvia.

[LI] LIECHTENSTEIN

On 5 October 1961, the **Liechtenstein National Library (FLLB)** (Liechtensteinische Landesbibliothek) was established by public law as an independent foundation. Taking into account the special circumstances of a small state, the National Library comprises three types of libraries: a national library, a scientific library and a popular library. As the national library it collects, preserves and makes accessible Liechtensteinese literature as completely as possible. The legal obligation for domestic printers and publishers to provide the National Library with two items of each of their produced works facilitates the collection building. In September 2005 the Liechtenstein National Library started to scan tables of contents of specialised books and links them to the records of the library-catalogue. It is one of the target countries in EDL project and is country member for Liechtenstein in EDLnet.

[LT] LITHUANIA

Vilnius University Faculty of Communication (VUFC)

VUFC is the leading Higher Education establishment working for the broad field of information and communication professions in Lithuania. Established in 1991, VUFC is led by an integrated approach towards information and communication, looking at libraries, museums, archives, media, publishing enterprises, information agencies and information businesses as parts of the information infrastructure of the society. Currently, VUFC offers five BA and ten MA study programmes, has 40 FTE employees, ca. 1200 BA and MA students and 26 PhD students. International cooperation and participation in EC and other international projects is a strategic priority for VUFC, enabling the institution to create a critical mass of intellectual capacity for education and research in the knowledge-based society. The Faculty has contributed to several European Union funded projects including PublicCA, Pulman, Cultivate-CEE and DigitalPreservationEurope. VUFC represents library education, has a wide European knowledge of various types of libraries and acts as the country partner for Lithuania.

[LU] LUXEMBOURG

National Library of Luxembourg (BnL) is the foremost research library of Luxembourg. It is the legal deposit library of the country but two thirds of its collections are non-Luxembourg material. The BnL is home to the national union catalogue and the associated library network « bibnet.lu » (ca. 30 members). The national library also manages the national digital library portal (<http://portail.bn.lu>) and will merge in the medium-term with the academic library of the newly created University of Luxembourg. URL: <http://www.bn.lu>. The BnL is the country member for Luxembourg.

[NL] NETHERLANDS

The **European Commission on Preservation and Access (ECPA)** was established in 1994 to promote activities aimed at keeping collections in European archives and libraries accessible over time. ECPA aims to raise awareness in the cultural heritage community as well as among policy makers, funding agents, and users. In order to promote the exchange of knowledge and experience, ECPA organizes conferences, meetings and workshops. Since 2004 ECPA has participated in numerous European large scale preservation research projects such as **PaperTreat**, Safeguarding European Photographic Images for Access –SEPIA and European Visual Archive- EVA. ECPA is also the coordinator of the project **TAPE (Training for Audiovisual Preservation in Europe)** which is funded in the framework of the Culture 2000 programme. In EDLnet ECPA represents issues relevant to the development of the European Digital Library.

CERL, the Consortium of European Research Libraries is constituted as a company limited by guarantee incorporated in England. Membership is open to libraries and similar institutions anywhere in the world. The Consortium's principal aim is to assemble information about the written heritage of Europe in a unique central resource to assist all those across the world – scholars, teachers, students, librarians, booksellers and lay persons – who work in the field of interpreting European cultural heritage as it has been received in the form of books written or printed before the middle of the 19th century. Currently, CERL Services include

- the Hand Press Book Database**, just under 3 million bibliographical records for European printing to 1830,
- the CERL Thesaurus and Digital Resources**, c. 675,000 records containing variants of place, imprint and personal names, related to the same period; the CERL Thesaurus links out to provenance information and to digitised images of printers' devices,
- the CERL Portal**, a search facility that enables scholars and researchers to search across the contents of both online manuscripts databases and online printed books databases,
- CERL Publications**, including the *CERL Newsletter* and *CERL Papers*. The latter bring together the contributions to the CERL seminar, which each year provide an opportunity for scholars and librarians to talk about issues of common interest in the general field of the European written and printed heritage and about CERL's work on the technologies for providing access to these materials.

The Consortium currently has 55 Full, Group and Special Members in 22 countries and 11 Associate Members in 11 different countries. From 2001, a number of Consortium Members have taken advantage of the facility for Cluster Membership: currently, there are 12 Member Libraries through which a total of 88 'Cluster Libraries' have gained free access the CERL Services. CERL's chairman is Prof. Dr E. Mittler,

formerly of the Niedersächsische Staats- und Universitätsbibliothek, Göttingen. For more information see wwwl.cerl.org.

EBLIDA, the **European Bureau of Library, Information and Documentation Associations** is an independent umbrella association of national library, information, documentation and archive associations and institutions in Europe. EBLIDA concentrates on issues such as European information society, including copyright & licensing, culture & education and EU enlargement. It aims to promote unhindered access to information in the digital age and the role of archives and libraries in achieving this goal. In EDLnet EBLIDA represents libraries and also archives.

[NO] NORWAY

The **Norwegian Archive, Library and Museum Authority** (ABM-utvikling), was established on 1st January 2003 following the merger of the Norwegian Directorate for Public Libraries, the Norwegian Museum Authority, and the National Office for Research Documentation, Academic and Special Libraries. The merger aimed to better serve the common interests of these adjacent domains in Norway through the increased use of information and communication technology (ICT) and to provide, in this way, simplified access to different types of sources, also across the traditional sector boundaries including art, sound, photography, film, archival material and literature. ABM-utvikling is a partner in EDLnet as a rare example of a European government agency with cross the board responsibility for the issues addressed by EDLnet.

The **National Library of Norway** aims to be a multimedia centre of knowledge which already forms the core of the Norwegian Digital Library. It is the premier source of information about Norway, Norwegians and Norwegian culture, and it is Norway's main resource for the collection, archiving and distribution of Norwegian media. In EDLnet is the member country for Norway. Its functions include establishing, preserving and making available a wide variety of collections. The National Library has unique collections that include film, music and theatre besides manuscripts and print media. The Norwegian Legal Deposit Act covers all types of media, including digital documents. Norwegian web sites are downloaded from the Norwegian top level domain of the World Wide Web and stored in the digital long term repository. At present, 40 million documents have been downloaded and stored. The NRK Norwegian radio historical archive has been digitized and stored. The National Library of Norway is a member of the EDL project and acts as the country partner for Norway.

[PT]PORTUGAL

The **Biblioteca Nacional** (National Library of Portugal) collects and preserves the national bibliography, acts as a standardisation institution in all matters concerning librarianship, provides access and disseminates information about its collections, and co-ordinates PORBASE, the National Union Catalogue. BN is also the National ISSN centre and the national representative of ISO/TC46. The present role of BN is the result of an evolution and of its consequent adaptation to the communication and information characteristics of nowadays society. The BN is long experienced in national and international projects and has been among the founding members of the European Library to participate in the TEL project. It is member of IFLA, UNIMARC, LIBER, ELAG (European Library Automation Group), ABINIA (Association of the Ibero-American National Libraries), CERL - Consortium of European Research Libraries, of ECPA and of DELOS. In 1997 BN was assigned by the Portuguese government, in the following of the publication of the national "Green Book for the Information Society", the mission to promote the development of the Digital Libraries. The BN is the country member for Portugal in EDLnet.

[RO] ROMANIA

The **Institute for Cultural Memory** aims to provide a central gateway to Romanian cultural heritage. It collects, processes, develops and disseminates information concerning movable and immovable cultural heritage, theatre performances, cultural institutions, bibliographic records and cultural events in Romania. It maintains the national databases and other computerised cultural information resources as well as develops tools for the collections documentation (artefacts description rules, data standards, terminological thesauri, authority files, software etc.). Moreover, the Institute provides consulting, Internet services and technical assistance for museums, libraries and other cultural institutions. CIMEC is an institutional member of ICOM (International Council of Museums) of the International Committee for Documentation (CIDOC), and of SIBMAS - International Association for Performing Arts Libraries and Museums. CIMEC participates -

through its representatives - to several work groups, as well as in European and international projects. In EDLnet CIMEC is the country member for Romania.

[SE] SWEDEN

The **National Archives** is one of the oldest government institutions in Sweden, dating back to the Middle Ages and the 16th century. According to its present regulation, the National Archives is charged with the supervision of all public archives in Sweden (national, regional but also that of the Swedish Parliament, of the Government and the Ministries, and of the central government authorities and their predecessors). The National Archives exerts influence in all areas of archival processing at central government authorities. The overall objectives of the Archives Administration are to provide the public with the means of accessing public records, to secure information for judicial and administrative purposes, and to provide documentation for purposes of research. This wealth of accounts, statistics, correspondences, registers of population and taxation, minutes etc. depicts in detail the development of Swedish society through the centuries. The archives also contain maps, plans and drawings. Director-General Tomas Lidman is the head of the National Archives and member of the i2010 Digital Libraries High Level Experts Group. The Swedish National Archives join the network because they are active at European level in the network's areas of activity and will represent the European Board of National Archivists.

The Royal Library, National Library of Sweden (Royal Library) is the National Library of Sweden. It collects, describes and preserves all Swedish printed materials according to deposit law since 1661 and makes its collections available to the public. It collects Swedish e-publications and started collecting web pages on a regular basis as early as 1997. As a research library within the humanities it has extensive older collections of printed books, manuscripts, pictures and maps. The Royal Library is a central library authority with responsibility for coordinating Sweden's research libraries and for the Library Information System LIBRIS, a database with records representing about 300 Swedish libraries, and other central services. It is involved in digitisation, striving for cooperation with other libraries as well as with archives and museums. It is a partner in the EDL project. In EDLnet it acts as the country member for Sweden.

[SL] SLOVENIA

The National and University Library of Slovenia (NUK) (Narodna in Univerzitetna Knjižnica) is both the Slovenian National Library and Ljubljana University Library, and provides at the same time advisory and supervisory services to the national library network. It operates as the main research library in Slovenia, a national referral centre, catering for the needs of research and education, leads on national preservation strategy and co-operation with national and other major libraries abroad. NUK promotes library networking within the national library and information system; it enhances research, development and advisory activities, along with the organisation of education and training in the library and information field. The Library's collections and other activities support the education and research processes at the University. The Library's collections comprise 2,200,000 bound volumes as well as other media. It is a leading partner in TEL and in various IST and eContentplus projects. It will be the country member for Slovenia and also represents university libraries.

[SK] SLOVAKIA

The Slovak National Library in Matica slovenská (SNK), Slovenská Národná Knižnica, is one of the primary state institutions that operate under the responsibility of the Slovak Republic's Ministry of Culture. It functions as the depository library of the Slovak Republic in support of research and as the central bibliographic agency. It is also an educational centre for Slovakia's library-based information system, as well as the national agency for the international numerical standardization and identification of documents; the main institution that engages in research on historical publishing activities in Slovakia; and a centre for the restoration, preservation, reproduction and digitalization of documents. In EDLnet SNK acts as the country partner for Slovakia.

[CH] SWITZERLAND

The **European Broadcasting Union (EBU)** is the largest professional association of national broadcasters in the world. The Union has 74 active Members in 54 countries of Europe, North Africa and the Middle East, and 44 associate Members in 25 countries further afield. EBU was founded in February 1950 by western European radio and television broadcasters. It merged with the OIRT - its counterpart in Eastern Europe - in 1993. Working on behalf of its Members in the European area, the EBU negotiates broadcasting rights for major sports events, operates the Eurovision and Euroradio networks, organizes programme exchanges, stimulates and coordinates co-productions, and provides a full range of other operational, commercial, technical, legal and strategic services. At its office in Brussels, the EBU represents the interests of public service broadcasters vis-à-vis the European institutions. The EBU also works in close collaboration with sister unions on other continents.

[UK] UNITED KINGDOM

The **Museums, Libraries and Archives Council (MLA)** is the lead strategic agency for museums, libraries and archives in the UK. It forms part of the wider MLA Partnership, working with the nine regional agencies to improve people's lives by building knowledge, supporting learning, inspiring creativity and celebrating identity. The Partnership acts collectively for the benefit of the sector and the public, leading the transformation of museums, libraries and archives for the future. MLA is a leading player in a number of European initiatives. MLA is a partner in EDLnet as a rare example of a European government agency with cross the board responsibility for the issues addressed by EDLnet and is the country partner for the UK.

Other EU projects and networks

These will be invited in July 2007

Participant Role	Partner No.	Part. Short Name	Participant name	Country	Date Invited to Enter Project	Date Exit Project
Networks & Associations						
Network Member	41	EA	European Archive	Europe	M1	24
Network Member	42	EURBICA	European branch of ICA	Europe	M1	24
Network Member	43	DBA	Das Bundesarchiv	Germany	M1	24
Network Member	44	IASA	International Federation of Sound & Audiovisual archives	Europe	M1	24
Network Member	45	INA	Institut national d'audiovisuel	France	M1	24
Network Member	46	ICOM	International Council of Museums Europe	Europe	M1	24
Network Member	47	NEMO	Network of European Museum Organisations	Europe	M1	24
Network Member	48	EMF	European Museums Forum	Europe	M1	24
Network Member	49	EUBAM	Arbeitsgruppe zu europäischen Angelegenheiten für Bibliotheken, Archive und Museen	Germany	M1	24
Network Member	50	EMMI	European Museums' Information Association	Europe	M1	24
Network Member	52	IBACN	Istituto per i beni artistici, culturali e naturali – Regione Emilia-Romagna	Italy	M1	24
Network Member	53	ABM Denmark	Denmark: Rådet for udvikling af nationalt ABM-samarbedje	Denmark	M1	24

Participant Role	Partner No.	Part. Short Name	Participant name	Country	Date Invited to Enter Project	Date Exit Project
Network Member	54	ABM Sweden	Sweden:ABM-Centrum, Stockholm	Sweden	M1	24
Network Member	55		Cooperation on Archives of Science in Europe	Europe	M1	24
Network Member	56	ALM	Association of Lithuanian Museums	Lithuania	M1	24
Network Member	57	LM	Latvian Museums	Latvia	M1	24
Network Member	58	MA	Museums Association	UK	M1	24
Network Member	59	NML	National Museums Liverpool	UK	M1	24
Network Member	60	BC	Bibliotheca Cervantes	Spain	M1	24
Network Member	61	BnC	Biblioteca de Catalunya	Spain	M1	24
Network Member	62	EsA	Spanish Archives	Spain	M1	24
Network Member	63	HM	Heritage Malta	Malta	M1	24
Projects						
Network Member	64	DIGMAP	Discovering our past with digitised historical maps	Portugal	M1	24
Network Member	65	DELOS	Network of Excellence on Digital Libraries	Italy	M1	24
Network Member	66	MINERVA	Ministerial Network for Valorising Activities in Digitisation	Italy	M1	24
Network Member	67	MELT	Metadata Ecology for Learning & Teaching	Austria	M1	24
Network Member	68	MACE	Metadata for Architectural Contents in Europe	Germany	M1	24
Network Member	69	Bernstein	The Memory of Papers	Austria	M1	24
Network Member	70	CITER	Creation of a European History Textbook Repository	Greece	M1	24
Network Member	71	JEM	Joint Educational Mathematics	Portugal	M1	24
Network Member	72	DisMarc	Discovering Music Archives	Germany	M1	24
Network Member	73	VideoActive	Creating Access to Europe's Television Heritage	Netherlands	M1	24
Network Member	74	EPsIplus	Public Sector Information Reuse	Belgium	M1	24
Network Member	75	EthnoARC	Ethnological Museum, Berlin, Music Archive	Germany	M1	24
Network Member	76	PrestoSpace	Prestospace	Europe	M1	24