**European Commission**
**Directorate General XIII-E/4**

**Electronic publishing and libraries**
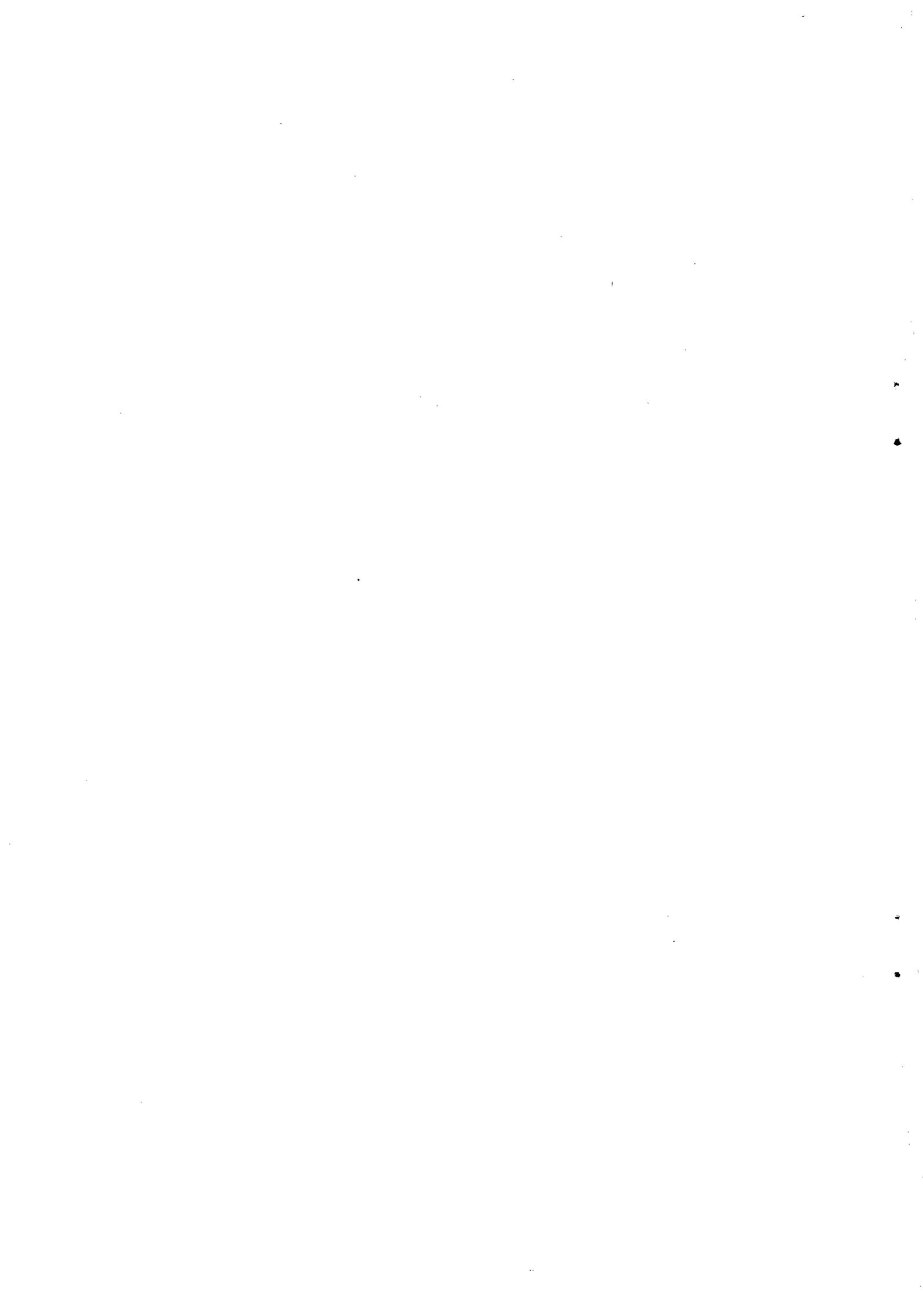
# TELEMATICS APPLICATIONS PROGRAMME 1994-1998

# Telematics for Libraries

# SYNOPSES OF PROJECTS

**(Release CfP'95)**

October 1996

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# PREFACE

This is an updated version of Synopses of R&TD projects in the Libraries Sector of the Telematics Applications Programme under the Fourth Framework Programme, 1994-1998. Libraries is one of three sectors in *Area B: Telematics for Knowledge* of the Telematics Applications Progamme, along with Education and Training and Telematics for Research.

## INTRODUCTION TO THE LIBRARIES SECTOR WORKPLAN

The current libraries workplan aims at:
- making libraries and their services hospitable to networked access;
- consolidating access to and delivery of library materials, through inter-library networks;
- and integrating library services and skills into the networked information world.

It is structured in three Action Lines, plus sector-specific complementary actions. A series of Call Topics has been identified under each Action Line. The Call Topics expand the task goals in the workplan through a series of functional or service-oriented scope notes which incorporate the key technical and user issues. The Action Lines are centred on the library and integration of its services in the local organisation, on the community of libraries in Europe and their relationship with publishers and the booktrade, and on the library in the wider networked information world. User interface and access issues are common to all three Lines. The workplan encourages continuity and consolidation of work from the previous programme, while opening up some new areas.

**Action Line A:** **Network-oriented internal library systems** focuses on actions needed to ensure that libraries are better placed to offer network-based services. Three Call Topics have been identified:

> Call Topic 1  Integration tools and interfaces for library systems in the local network.
> Call Topic 2  Tools and methods for the creation and use of library materials in electronic form.
> Call Topic 3  Development and testing of tools for the management and administration of library services in an electronic environment.

**Action Line B:** **Telematics applications for interconnected library services** has as objectives to improve co-operation, resource development and resource sharing between libraries and to encourage the shift from collection to access based services through interconnections between libraries, suppliers and publishers. The Call Topics arising from this Action Line are:

> Call Topic 4  Creating and testing interconnected library services, integrating applications for at least two different library service functions.
> Call Topic 5  End-user access to inter-library network resources.
> Call Topic 6  Services for the acquisition and supply of materials to libraries.
> Call Topic 7  Development of new scenarios and models for distributed libraries and associated services to users, in preparation for potential implementation projects

**Action Line C:** Library services for access to networked information resources looks to the emerging role and services libraries could provide, based on the networked information world. Its specific objective is to build on and extend information resources and services which are mediated and delivered by libraries.

Call Topic 8    User services based on resource discovery and retrieval.

Call Topic 9    Test-beds for library-mediated access and services based on networked information resources.

Call Topic 10    Tools for use of retrieved networked information resources.

Call Topic 11    User applications supporting unified access to combined networked information and library-based resources.

Call Topic 12    Integrating library services with distance learning environments.

**Complementary actions:** submissions were also invited for concerted actions related to the technical domains covered by the workplan as well as for actions which could promote the exploitation of results.

## PROJECT SYNOPSES

The first Call for Proposals under the Fourth Framework Programme in the libraries sector was published on 15 March 1995. As a result, 14 shared cost projects and 7 concerted actions and accompanying measures are being supported. This document provides a synopsis for each. The projects are listed by Action Line and within that by reference number. Concerted actions and accompanying measures come after Action Line C, again arranged numerically.

To make this document as useful as possible, the following indexes are provided:

*An index in alphabetical order of project acronym.*

*Keyword index to the synopses by page number.*

*Keyword listing of the relevant projects for each keyword.*

As was the practice for Libraries under the Third Framework Programme, the synopses will be updated at regular intervals, with information on key results and deliverables. The synopses are also available on the Libraries Web site: **http://www.echo.lu/libraries/en/libraries.html** or via the CORDIS databases.

A fully updated edition of the synopses of all the projects and concerted actions funded under the previous programme will be published in Autumn 1996.

Further information on the programme is available from the 'Libraries Unit':

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or from the National Focal Points for the Libraries sector in each EU Member State, as well as in the EEA/EFTA countries (see leaflet attached).

# ABBREVIATIONS

## EU Member States

| | |
|---|---|
| AT | Austria |
| BE | Belgium |
| DE | Germany |
| DK | Denmark |
| ES | Spain |
| FI | Finland |
| FR | France |
| GR | Greece |
| IRL | Ireland |
| IT | Italy |
| LU | Luxembourg |
| NL | The Netherlands |
| PT | Portugal |
| SE | Sweden |
| UK | United Kingdom |

## EEA/EFTA Member States

| | |
|---|---|
| CH | Switzerland |
| LI | Liechtenstein |
| IS | Iceland |
| NO | Norway |

## Roles

| | |
|---|---|
| C | Coordinator |
| P | Partner |
| A | Associate Contractor |
| S | Sub-contractor |
| X | Sponsor |

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# KEYWORD INDEX TO PROJECT ACRONYMS

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Testing Systems using Telematics for Library Access for Blind and Visually Handicapped Readers

**TESTLAB**

*Keywords: Braille; Synthetic speech; Visually disadvantaged user requirements*

Proposal No: 3003

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**Action Line**          A: Network-oriented internal library systems.

**Call Topic(s)**        2: Tools and methods for the creation and use of library materials in electronic form.
11: User applications supporting unified access to combined network information and library-based resources.

**Project description**  TESTLAB will establish a series of practical trials in public and academic libraries whereby blind and visually handicapped readers can gain access to catalogues and digital documents in forms which they can read. These trials are a direct consequence of the EXLIB - Expansion of European Library Services for the Visually Disadvantaged - project, whose main results were proposals for implementation trials.

Since the EXLIB reports there have been several changes of national policy with regard to the visually handicapped and the provision of alternative format materials. TESTLAB will take advantage of these and link to several activities funded by national governments to gain added value for this project and for these national activities. In four countries and eleven libraries adapted workstations will be installed to allow blind and visually handicapped readers to access catalogues, networks, databases and electronic documents. Each trial has its own characteristics although all are based on the same premises.

**Technical approach**   The project is organised in 5 trials:
* The Netherlands will build on an ongoing national project.
* In Ireland, the trial supports the policy of moving access to alternative format materials from the national centre, NCBI, to the public library system.
* In the UK the public library system will be able to link to a national catalogue, which includes data for alternative formats, and to an extended ILL system for such formats.
* In Italy the workstations will be installed in a special library, a Regional public library and in a small local library.
* Four Austrian Universities will install workstations and link the libraries together. They will also have a link to the German database of alternative format materials.
In all cases the developments are based on user needs. An analysis will be made of the user interactions with the system and of the user responses (users include the librarians). Care will be taken to ensure that the evaluation criteria in each country have a common basis.

*Action Line A: Network oriented internal library systems*

| | |
|---|---|
| **Key issues** | The main technical issues are:<br>• improved access to catalogue information;<br>• the ability to search networks and databases;<br>• improved access to documents, either as electronic files or through other conversion systems to produce electronic files;<br>• the delivery of these files to the readers for them to adapt them to the form which is most appropriate (synthetic speech, transitory braille, printed braille, large print). |
| **Impact, users and expected results** | TESTLAB will provide extended real experience in public and academic libraries of ways in which the target group can be given access to what the sighted take for granted. Not only will the project provide direct benefit to the users of the test sites but it will provide fully evaluated models to all other library systems as to how this group can be served. For each reader the impact could be considerable. Even the most active user of national institutions for the visually handicapped only gets access to one or two percent of what is available to the sighted under the current system. Because these experiments will be firmly embedded in national and local library developments there is a higher possibility that the practice will become integrated into national policy and practice. |
| **Expected duration** | 24 months |

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Studie en Vakbibliotheek voor visueel en anderszins gehandicapten | NL | C |
| National Council for the Blind of Ireland | IRL | P |
| The Royal National Institute for the Blind | UK | P |
| University of Linz | AT | P |
| Istituto David Chiossone | IT | P |
| Centrum voor Gesproken Lectuur | NL | P |
| Polyplano Euroconsultants | GR | P |
| Libris Computing Ltd. | UK | A |
| University of Graz | AT | A |
| Berio Librariy | IT | A |
| Share the Vision | UK | S |

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**Status**

Under Negotiation
Operative Commencement Date (Planned): September 1996

**Date**

20 July 1996

Knowledge-based System for Consistency in Bibliographic Databases

**DELICAT**

*Keywords: Bibliographic records; Client-server architecture; Library catalogues; Quality control; User interface*

Proposal No: LB-3025

| | |
|---|---|
| **Action Line** | A: Network-oriented internal library systems. |
| **Call Topic(s)** | 2: Tools and methods for the creation and use of library materials in electronic form. |
| **Project description** | The objective of the project is to develop a programme able to improve the quality control of bibliographic database records by means of a knowledge-based error-detection system designed to be connected to library networks using client-server architecture. |

While offering new advantages and access to new services, interconnection between libraries also entails drawbacks, in particular the probability that incorrect catalogue records will be copied and recopied with a resultant decline in the quality of service.

Quality control in this area will benefit from the development of a knowledge-based system designed for network connection and programmed to receive records and make decisions on the probability that they contain errors or non-conformances affecting their quality.

**Technical approach** The demonstrator will be based on the following technical criteria:
- application of a knowledge-based system designed to detect errors in MARC catalogues;
- compilation of lists of various types indicating the types of corrective action required (mechanical errors, format errors, etc.);
- integration of client-server technology;
- possibility of connection to any network.

The outcome will be two types of file, one containing records which are deemed to be correct, the other containing records which apparently require correction.

**Key issues** The need for enhanced quality control of bibliographic records is clearly felt by library managers. If a library receives large volumes of information over the network, considerable resources often need to be devoted to cleaning up the new files.

The project will need to develop facilities which will significantly reduce the amount of time required for human correction by automating the detection process and, as far as possible, categorising the types of error detected.

| **Impact, users and expected results** | Currently there are no products available in the European library sector for contributing to greater efficiency in the area of bibliographic control. There are thus clearly potential users for this type of system at a time when the need to computerise the library has given way to the application of information technology to improve the quality of services libraries offer. |

A system which contributes to the quality of the information itself rather than the technical infrastructure will play a key role in improving the services offered in the evolving information society.

On project completion, the knowledge-based system for quality control of bibliographic records will be suitable for application by the project partners. The coordinator intends to develop the system further and to market it to large and medium-sized libraries making extensive use of networked bibliographic record exchanges.

**Expected duration**      18 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Ifigenia Plus | ES | C |
| Fraunhofer Gesellschaft zur Forderung des Angewandten Forschung | DE | P |
| Bibliothèque Royale Albert 1er | BE | P |
| Biblioteca Nacional | ES | P |
| Universidad de Granada | ES | A |

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**Status**      Operative Commencement Date: April 1996

**Date**      20 July 1996

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Integrated Library Information Education and Retrieval System

**ILIERS**

*Keywords: Library catalogues; Multimedia; Public library services; Training; User interface*

Proposal No: LB-3039

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**Action Line**          A: Network-oriented internal library systems.

**Call Topic(s)**          1: Integration tools and interfaces for library systems in the local network.

**Project description**          The objective of the project is to develop a multimedia library information system to give all categories of library users more effective access to information available in the local public library and in the local community. The system will be based on the following:
- user-friendly interfaces;
- integration of networked resources (e.g. collections of laws);
- user training model linked to local catalogues;
- introductory information adapted to various user types, including students, children of different ages and the elderly;
- access from both inside and outside the library.

The main focus of the development will be to develop multimedia facilities in order that users of different types and with different requirements can enjoy integrated access to information, education and retrieval via a common interface. The system will be based on a set of modules which will be designed to accommodate different languages and cultural adaptations.

**Technical approach**          The demonstrator will be based on the following technical criteria:
- a server gateway between HTTP and Z39.50 facilitating access using an HTML front-end client;
- implementation of hypertext interfaces to facilitate browsing and querying of the library information resources;
- extension to wide-area access (WAN) allowing several servers and local and remote clients (via Internet, modem or ISDN connections);
- integration of multimedia elements (via hard-disk or CD-ROM) accessible to LAN clients and remote clients via ISDN.

Exploitation will be based on user feedback received from experience with the demonstrator and will seek to establish the public library as the foremost information centre in the community.

**Key issues**          The main issues to be explored are:
- integrated access to a variety of library and community information services;
- ease of use based on graphical user interfaces;
  need to safeguard the role of the public library in providing information to the local community;
- a standardised approach which will be suitable for use with a variety of library systems.

| | |
|---|---|
| **Impact, users and expected results** | The project will strive to make the best possible use of new developments in networking and interfacing in order that businesses, institutions and individuals can access information from the local library as well as from other sources in the local community. The probable impact will be to bring the citizen closer to the information resource with a resulting improvement in facilities for educational and leisure-oriented services. |
| | Marketing prospects will include libraries in Denmark, the other Nordic countries, Portugal and the European Union at large. Well over a thousand libraries could benefit from the system to be developed. |
| **Expected duration** | 26 months |

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Courseware Scandinavia APS | DK | C |
| Digital Equipment Corp., AS | DK | P |
| Kungsbacka Bibliothek | SE | P |
| Instituto de Engenharia de Sistemas e Computadores | PT | P |
| Hillerød Bibliotek | DK | P |
| Cámara Municipal do Barreiro | PT | P |
| Cámara Municipal de Palmela | PT | P |
| Länsbibliotek Halland | SE | A |

| | |
|---|---|
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| **Status** | Operative Commencement Date: August 1996 |
| **Date** | 20 July 1996 |

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Total Library Management Concept

**TOLIMAC**

*Keywords: Encryption; Library management; Networked resources - access; Smart-cards*

Proposal No. LB-3047

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| | |
|---|---|
| **Action Line** | A: Network-oriented internal library systems. |
| **Call Topic[s]** | 3: Development and testing of tools for the management and administration of library services in an electronic environment.<br>6: Services for the acquisition and supply of materials to libraries. |
| **Project description** | TOLIMAC seeks to manage access to and use of networked resources and services within an institutional or campus context. The project functionality will be based around microprocessor chipcard technology. |

The project seeks to create a management tool for supplying electronic products and services in library environments which integrates important management functionalities such as user identification, authentication and copyright clearance. The tool will allow for access control, open library service management, interlibrary access and open use of library resources. User rights and privileges, cost monitoring and reciprocal rights of external and remote users will be monitored and controlled.

Security issues will be addressed, through digital encryption, authentication and signature techniques. TOLIMAC will enable library and information service users to gain access to a range of services using a single card and a single code. Use of more than one library or access to multiple resources will be possible from multiple locations. From a library management perspective library managers will have a single tool for financial management.

**Technical approach**     The project will be developed technically on a phased basis:
- development of electronic systems which will allow access to internal and external library services;
- integration of office automation, telematic and information technology equipment into the system;
- customisation and development of chipcard solutions for material reservations, lending services and library management.

The core technologies will be:
- digital encryption, authentication and signature techniques and associated standards (e.g. ISO9796; RIPE-MD; MD5; RSA etc.);
- networking technologies based on known standards or de facto standards (e.g. TCP/IP; HTTP-P; WWW protocols etc.);
- microprocessor chipcards.

| | |
|---|---|
| **Key issues** | • access control in libraries; |
| | • integrated management and control of library resources and their associated costs. |

| | |
|---|---|
| **Impact, users and expected results** | Two major demonstration and test sites have been identified: |
| | • Université Libre de Bruxelles - Bibliothèques; |
| | • De Montfort University, Leicester |

The TOLIMAC concept provides an opportunity to control and manage access to library resources and will provide a unique demonstration of a solution for commercial library resource transaction over electronic networks. Moreover the security aspects of the solution will be of importance in the field of electronic or digital libraries and their future potential exploitation of remote access through networks.

**Expected duration**    24 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Université Libre de Bruxelles, Bibliothèque | BE | C |
| Université Libre de Bruxelles, Cryptologie | BE | P |
| De Montfort University | UK | P |
| S.A. XFAX | BE | P |
| ABSEC | UK | P |
| INIST | FR | P |

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**Status**    Under negotiation
Operative Commencement Date (planned): Autumn 1996

**Date**    20 July 1996

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Children in Libraries: improving multimedia virtual library access and information skills

**CHILIAS**

*Keywords: Children's libraries; Information skills; Multimedia; Public library services; World Wide Web*

Proposal No: LB-3086

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|---|---|
| **Action Line** | A: Network-oriented internal library systems. |
| **Call Topic(s)** | 2: Tools and methods for the creation and use of library materials in electronic form. |
| **Project description** | The main goals of the project are to develop a new concept for European children's libraries of the future as a stimulating environment for innovative learning and creative use of multimedia and networked technology. The project will deliver 4 applications of a new children's library service on the WWW, with additional local multi-media applications. |
| **Technical approach** | The core of the project is the development of a digital children's library, using varied digitised materials on selected topics to support children in virtual browsing through the library, in discovering learning resources, and in practising and developing information seeking skills. Support applications will cover the development of interactive communications and resource sharing activities, the development of an interactive library service encouraging children in the exploitation and creation of multi-media resources, and the development of an information skills package to support young users in the acquisition of such skills. |
| **Key issues** | The main technical issues to be explored are:<br>• design and development of interfaces and user-access to multi-media and networked technology for use by children;<br>• design of virtual children's library and concepts for its representation;<br>• conversion of materials to digital form;<br>• presentation of digital materials;<br>• networked access to and delivery of multi-media based library service;<br>• prototyping skills package supporting information seeking and library navigation tasks |
| **Impact, users and expected results** | Implementations will be set up in 6 principal test sites, serving variously children's libraries within public library services and school libraries. 4 of the test sites have contacts to large regional library and school user-bases.<br>The results will be: virtual children's libraries of multi-media materials, established in different countries; integration of communications and creation applications in the demonstrator; prototype and demonstrator of skills tools; evaluations of usage by children, teachers, librarians. |

## Action Line A: Network oriented internal library systems

| | |
|---|---|
| **Expected duration** | 31 months |

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Stadtbücherei, Stuttgart | DE | C |
| Gateshead Libraries and Arts Services | UK | P |
| Athens College Library | GR | P |
| Diputació de Barcelona | ES | P |
| ISEGI | PT | P |
| University of Helsinki, IT Centre for Schools | FI | P |
| Vantaa City Library | FI | P |
| Landesbildstelle Württemberg | DE | A |
| University of Sunderland | UK | A |
| Costeas Gitonas School | GR | A |
| ADS | FI | A |
| IBM European Networking Centre | DE | A |
| EVITech | FI | A |
| ibek | DE | S |
| Otto Maier Verlag | DE | X |

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**Status**    Operative Commencement Date: April 1996

**Date**    · 20 July 1996

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Electronic Library Image Service for Europe - Phase II

**ELISE II**

*Keywords: Electronic library; Image banks; Remote image delivery; Networking*

Proposal No: LB-3005

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**Action Line**          B: Telematics applications for interconnected library services.

**Call Topic**          4: Creating and testing interconnected library services, integrating applications for at least two different library service functions.

**Project description**          ELISE II will develop and demonstrate an operational image retrieval service based on a heterogeneous set of networked image banks located in several Member States of the Union. This service will be extensible and it will include a model for protection of rights, fair pricing for educational and cultural use, and mechanisms for charging.

**Technical approach**          The project will develop a (large scale) demonstrator comprising a network of interconnected libraries and related organisations by which distributed image banks in the member organisations can be accessed using standard search and retrieve protocols. Both Z39.50/SR and http access will be catered for. The network will provide security control against unauthorised access where required and charging mechanisms for retrieval of images when authorised. ELISE II will be based on previous achievements of the FP3 ELISE project where a prototype of the envisaged system was developed, proving the feasibility of the fully-fledged service proposed under ELISE II.

**Key issues**
- Establishing an operational electronic image retrieval service in Europe.
- Designing the service in such a way as to be replicable or hospitable to the addition of further image banks throughout Europe.
- Implementing an influential model for the protection of rights, fair pricing for educational and cultural use, and mechanisms for charging.
- Developing access initially to seven collections of images in Member States.
- Developing mechanisms which will facilitate the development of spin-off products, including learning materials.

**Impact, users and expected results**
- Promotion of standard protocols and exchange formats.
- Interconnection and resource sharing between libraries.
- Promotion of European approaches to product development in the image bank and electronic library domains.
- Putting a variety of imagebanks within reach of millions of European citizens.
- Integration of electronic publishing and electronic library management.
- Setting examples for other developers of digital library products.

*Action Line B: Telematics applications for interconnected library services*

| | Organisation | Country | Role |
|---|---|---|---|
| **Expected duration** | 36 months | | |
| **Participants** | | | |
| | De Montfort University, Division of Learning Development | UK | C |
| | Tilburg University Library & Computer Centre | NL | P |
| | University of Limerick, Information Systems & Services Division | IRL | P |
| | IBM UK Scientific Centre, Applied Science & Technology Department | UK | P |
| | Victoria & Albert Museum, National Art Library | UK | P |
| | Université Libre de Bruxelles, Bibliothèques | BE | P |
| | Radio Telefis Eireann, Reference & Illustrations Library | IRL | A |
| | Laboratorium for Biomedische Informatica | NL | A |
| | Hunt Museum | IRL | A |

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**Status**

Under negotiation
Operative Commencement Date: open

**Date**

20 July 1996

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Large Scale Demonstrators for Global, Open Distributed Library Services

**UNIVERSE**

*Keywords: Distributed library services; Interlibrary loan; SR/Z39.50; Union catalogues*

Proposal No: 3032

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**Action Line**  B: Telematics applications for interconnected library services.

**Call Topic[s]**  4: Creating and testing interconnected library services, integrating applications for at least two different library service functions.
5: End-user access to inter-library network resources.

**Project description**  One requirement of the distributed library model will be the provision of a 'single point of contact for information', including an interface that hides the physical distribution of information, its inevitable duplication, heterogeneity of storage and access methods and even language. It should present global information resources as a single logical database.

Project UNIVERSE aims to deliver and utilise a 'logical union catalogue' that is capable of providing this 'single point of contact' for specific subject domains and which will be used to deliver a number of advanced library services for both the end-user and the librarian:
- Search and Retrieve - very large scale, transparent multi-database searching.
- Multi-Media document delivery - integrated to the search and retrieve process.
- Inter-Library Loans - integrated to the search and retrieve process.
- Collaborative cataloguing / record supply - an efficiency gain for the librarian.

**Technical approach**  UNIVERSE will exploit the outcomes of previous library projects and utilises developments in key standards:
- Z39.50 / SR - to provide heterogeneous database searching.
- UNICODE & UNIMARC - canonical internal character and record representation.
- ILL - as a part of the document delivery process.

Large scale logical union catalogues will be developed in two subject areas. UNIVERSE will aim to deliver advanced services around a Pan-European technical catalogue and a Pan-European environmental catalogue. This will involve collaboration with the G7 pilot project on 'Environment and Natural Resource Management'

The logical catalogues will be established by co-ordinating large numbers of relevant libraries through subject based 'user groups' to stimulate cross-border co-operation and resource sharing between libraries. The national libraries in UNIVERSE have the role of providing rich, high volume data sets. They will consolidate the activity within the subject areas, and broaden the scope of the demonstrators across further subject areas, geographical areas and library types.

## Action Line B: Telematics applications for interconnected library services

**Key issues**

The project will address the following key issues:

- The ability to search in parallel, multiple physical databases which are heterogeneous in terms of access methods, record syntax, character set and even language, presenting results as if a single logical database were being searched.
- The multiplicity of data sources is hidden from the user and a high quality of service is achieved both in terms of performance and data quality through record de-duplication and merging.
- Through the use of Open Distributed Processing (ODP) techniques the architecture has potentially unlimited scalability. UNIVERSE should be capable of transparent, simultaneous searching of massive sets of physical databases, whilst maintaining high performance.

**Impact, users and expected results**

The project will provide:

- A large scale implementation of distributed library services, and the experience so gained.
- An implementation of an open software architecture and that makes a significant step toward the Global Information Infrastructure.
- Contribution to the standards process.

**Expected duration**

30 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Fretwell-Downing Data Systems Ltd. | UK | C |
| Danish Technical Knowledge Centre | DK | P |
| British Library | UK | P |
| Irish Library Council | IRL | P |
| National Library of Greece | GR | P |
| Freshwater Biological Association | UK | P |
| Southampton Oceanographic Centre | UK | A |
| Harper Adams College | UK | A |
| Kyros | GR | A |
| University College Dublin | IRL | A |
| Q-Ray | NL | A |
| Ex-Libris | LU | A |
| University of Sheffield Library | UK | A |
| Index Data | DK | A |
| Forbait | IRL | A |
| The Technical University of Delft | NL | A |
| Technical University Library of Norway | NO | A |

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**Status**

Under negotiation
Operative Commencement Date (planned): Summer 1996

**Date**

20 July 1996

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Linking Publishers and National Bibliographic Services

**BIBLINK**

*Keywords: Bibliographic records; Data exchange; Electronic publications/publishing; Metadata; National bibliographic services*

Proposal No: LB-3034

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**Action Line**              B: Telematics applications for interconnected library services.

**Call Topic(s)**            6: Services for the acquisition and supply of materials to libraries.

**Project description**      The main goal of the project is to further the development and improvement of national bibliographic services, through testing a demonstrator service involving new links between publishers and national libraries or national bibliographic agencies. There is currently no adequate bibliographic control over electronic publications, nor is there an agreed standard of bibliographic description for many types of electronic publication. National libraries need to secure authoritative advance information about new electronic publications. For the publishers of electronic materials there is a need to register new electronic publications (whether they are on-line publications or off-line - e.g. CD-ROM - publications) and to carry enriched bibliographic data as an integral part of the electronic publication. The demonstrator will involve the transmission from publishers of agreed minimum data on electronic publications, which will be used by the libraries to provide enriched and embedded catalogue and authority data on the document. These data will be re-transmitted to the publishers for distribution with the publications.

**Technical approach**       The project is conducted in two phases. The first phase will investigate and develop consensus on data formats, data content, transmission standards, and on document identification and authentication. This will be carried out in conjunction with publishing and booktrade organisations. The result will be a feasibility analysis and general specification for the demonstrator.
In the second phase, a full functional and technical specification will be developed, the demonstrator built, in an iterative process with the libraries and publisher partners, and subjected to validation through the test sites.

**Key issues**               The main technical issues to be explored are:
- agreed standard format for data to be transmitted, capable of conversion as necessary to MARC-based formats for library use;
- investigation of approaches to encoding metadata, unique document identification schemes for electronic documents, transmission of data, and authentication of electronic publications;
- integration of the above into a functional specification for the demonstrator;
- development of consensus among the different interests on the standards and norms to be used;
- test the system and evaluate impact on the market.

| | |
|---|---|
| **Impact, users and expected results** | The demonstrator will allow national libraries to exercise appropriate bibliographic control over electronic documents, making their discovery and retrieval more effective. The embedded data will add value to the documents distributed by the publishers and provide libraries who acquire the documents with catalogue data. Test sites involving variously the 3 different categories of users - national libraries and publishers; intermediary organisations such as library utilities and systems suppliers; and individual libraries - will be established in the 5 participating countries. These will be used to assess the technical feasibility but also the operational and service feasibility and impact on the market.

The results will be: definitions of agreed formats; definitions of data elements; assessment of authentication issues and possible solutions; transmission requirements and standards; functional specifications; demonstrator service, for national libraries and publishers, and their customers. |

**Expected duration**    36 months (Phase 1: 18 months; Phase 2: 18 months)

**Participants**

| Organisation | Country | Role |
|---|---|---|
| British Library | UK | C |
| Koninklijke Bibliotheek | NL | P |
| National Library, Rana | NI | P |
| Bibliothèque Nationale | FR | P |
| UK Office for Library and Information Networking | UK | P |
| Biblioteca Nacional | ES | P |
| Universitat Oberta de Catalunya | ES | P |
| Level-7 Ltd | UK | S |
| SPAG | UK | X |
| Book Industry Communication | UK | X |

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**Status**    Operative Commencement Date: April 1996

**Date**    20 July 1996

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Cooperative Archive of Serials and Articles

**CASA**

*Keywords: Bibliographic records; Distributed databases; Networking; Serials; SR/Z39.50;*
*Union catalogues; World Wide Web*

Proposal No: LB-3058

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**Action Line**          B: Telematics applications for interconnected library services.

**Call Topic**           4: Creating and testing interconnected library services, integrating applications for at least two different library service functions.
5: End-user access to inter-library network resources.

**Project description**  Serial handling and information about the location of serial titles is central to many library services. Project CASA will address both the needs of professional users, such as bibliographic agencies, libraries and journal publishers, to check, verify or revise bibliographic records of serials at the national (SSN) and international (ISSN) level; and of end-users searching for serials titles and their locations.

The project aims to create a serials authority list based on the ISSN system, allowing users to search distributed catalogues of national serials holdings and to locate serials, while offering national union catalogues and SSN agencies the possibility of exchanging and revising bibliographic serials data in cooperation with the ISSN centre.

The "Yellow Page" or value-added service of CASA should allow the user to find additional information about document delivery services and article citations and abstracts from multiple locations.

**Technical approach**   CASA aims to use client-server architecture and explores possible uses of WWW technology such as URL to ISSN mapping. Based on comprehensive surveys of readily available software and commonly accepted standards, it will develop a common user interface for searching the distributed serials catalogues, taking into account in particular Z39.50 for retrieval and existing software development tools such as C++.

**Key issues**           The project will address the following key issues:
- the facility for national agencies and libraries to enter, verify and amend serials data according to standardised protocols and software at national level and with the ISSN central register;
- the ability to search via a common user interface distributed union catalogues of serials;
- the creation of a "yellow pages" directory for value-added, related information.

| | | |
|---|---|---|
| **Impact, users and expected results** | The project will encourage and facilitate collaboration at a European level of national SSN centres, and should offer significant improvement of access to and quality of serial databases. | |

**Expected duration**   33 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Università di Bologna | IT | C |
| ISSN International Centre | FR | P |
| National Library of Greece, ISSN Centre | GR | P |
| IBC Regione Emilia Romagna | IT | P |
| Consiglio Nazionale delle Ricerche | IT | P |
| Biblioteca Universitaria di Bologna | IT | P |
| Ariadne Engineering | IT | P |
| ISSN Centre Norway, Universitetsbiblioteket I Oslo | NO | P |
| University of Edinburgh | UK | P |
| ICCU | IT | A |
| Università di Firenze | IT | A |
| Il Mulino | IT | A |
| Università di Ferrara | IT | A |
| Università di Torino | IT | A |
| AKROS Informatica | IT | S |
| Biblioteca Nazionale Centrale di Firenze | IT | X |

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**Status**

Under negotiation
Operative Commencement Date: open

**Date**   20 July 1996

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Electronic Library Teleservices

**ELITE**

*Keywords: Document access/delivery (electronic); Distributed library services*

Proposal No: 3087

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**Action Line**
B: Telematics applications for interconnected library services.

**Call Topic[s]**
7: Development of new scenarios and models for distributed libraries and associated services to users, in preparation for potential implementation projects.

**Project description**
The purpose of the first phase of the ELITE project is to develop a generic model for distributed library services to users including a detailed assessment of economic, organisational, managerial and technical options. ELITE will synthesize the results of this analysis and develop a prototype leading to a validation phase of viable operational models for distributed library services.

ELITE will use the results from national initiatives (eg; RAPDOC, AGADES) and the results of previous Commission projects (eg EDIL, ION, FASTDOC).

**Technical approach**
This first phase will analyse different options for distributed library services, and prepare a second phase where the preferred and validated model will be implemented. The first phase will include the following tasks:
- Define, in a first step, the methodology to be used in investigating the different options mentioned above.
- Examine at a European scale the economic, organisational and technical issues and report these studies to the libraries community through public workshops.
- Synthesize the results and develop a prototype leading to a validation phase of viable operational models for distributed library services.
- Prepare a realistic implementation project, whose feasibility will be studied by the development of prototypes.

**Key issues**
The document delivery projects launched these last years, under national initiatives or with the support of the European Libraries programme, mainly aimed to experiment with the introduction of new technologies in the libraries environment. To date, and beyond this phase of technical suitability, the challenge is to meet the users' new requirements in building services which:
- integrate the whole functions of information access (searching, ordering, delivery, billing, etc.);
- deal with economic, administrative and legal aspects of information dissemination;
- take into account the special requirements of each user category.

| | |
|---|---|
| **Impact, users and expected results** | The project will analyse key issues for all implementors of document delivery systems. The project will deliver a number of reports documenting the work: Market analysis and Service contract(s), Organisational aspects, Technical choices, as well as the specification for the model to be implemented in the second phase. |

**Expected duration**   9 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| TELIS | FR | C |
| INIST | FR | P |
| Beilstein Institut | DE | P |
| PICA | NL | P |
| University of Florence | IT | P |
| University of Thessaloniki | GR | P |
| University Rene Descartes Library | FR | A |
| University of Lyon Library | FR | A |

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**Status**   Operative Commencement Date: April 1996

**Date**   20 July 1996

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Integrated Library and Survey-data Extraction Service

**ILSES**

*Keywords.- Distributed databases; Information retrieval; Metadata; Social science datasets; World Wide Web*

Proposal No. LB-3050

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**Action Line**       C: Library services for access to networked information resources.

**Call Topic(s)**       8: User services based on resource discovery and retrieval.
9: Test-beds for library-mediated access and services based on network information resources.
11: User applications supporting unified access to combined network information and library-based resources.

**Project description**       ILSES is designed to serve both end-users and content-providers of socio-economic information. For end-users ILSES facilitates the integrated access and retrieval of two different kinds of information:
• documentary information as is commonly available from libraries;
• empirical data as archived by data archives.

ILSES allows end-users to extend literature research and searches with a focused access to empirical data which can or have been used in empirical research of the kind reported in the literature they review. This allows them to extend classic literature research with their own original empirical analyses of relevant data. ILSES also offers alternatives in directing data analysis and searching for specific empirical data for secondary analysis. For content-providers ILSES offers tools and procedures for the normalisation, cataloguing and controlled distribution of (distributed) holdings of documentary and data resources. ILSES will enable content providers to increase and improve the utilisation of their information resources while at the same time reducing their support burden per information request or retrieval.

**Technical approach**       ILSES is designed as an open system which can be applied to different kinds of library and data holdings. In this project, however, a pilot-application will be focused on socio-economic information as collected by large scale surveys, and on the associated literature. ILSES is based on integrated relational databases of meta-information pertaining to both library and data-archive holdings, both of which are typically distributed over many different institutions. In order to productively connect such holdings with each other and with end-users, ILSES provides a wide-area network interface utilising Internet and supporting browsing and retrieval tools such as WWW.

## Action Line C: Library services for access to networked information resources

**Key issues**

- integration of meta-information databases with library holdings;
- increasing use and access to distributed holdings in special libraries;
- potential replication in other application domains and datasets;
- open access to networked library holdings through generic interfaces;
- development of a service model.

**Impact, users and expected results**

Following the development of a prototype service, the ILSES service will be expanded to a larger set of Eurobarometer surveys. The consortium also intends to invite other related libraries, institutes, and archives to set up their own holding within the ILSES framework thus stimulating the opening of other socio-economic documentary sources and related datasets.

The results of the ILSES project will be exploited by transferring the ILSES approach to information sources of other disciplines. It is foreseen that the way in which ILSES opens and relates library information and empirical datasets is also of large interest for other disciplines. The ILSES concept will also be promoted in other fields of application, eg. chemistry, medicine, language technology.

**Expected duration**

36 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| iec proGAMMA | NL | C |
| SWIDOC | NL | P |
| Zentralarchiv für empirische Sozialforshung | DE | P |
| University of Amsterdam | NL | P |
| Trinity College Dublin | IRL | A |
| CIDSP/BDSP, Grenoble | FR | A |

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**Status**

Under negotiation
Operative Commencement Date (planned): Autumn 1996

**Date**

20 July 1996

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The European Legislative Virtual Library

**ELVIL**

*Keywords: European legislative information; Multimedia; Training; World Wide Web*

Proposal No: 3056

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**Action Line**

C: Library services for access to networked information resources.

**Call Topic(s)**

8: User services based on resource discovery and retrieval.
9: Test-beds for library-mediated access and services based on network information resources.
11: User applications supporting unified access to combined network information and library-based resources.

**Project description**

ELVIL will develop an Internet-based aid for search, selection and presentation of information on European law and politics. Today this body of information is scattered among numerous locations and media with no unified method of access. The application will significantly increase the availability of the information and be an important step towards building a European infrastructure of legal and political information to the benefit of both the civic and educational community.

The intended users consists of graduate and undergraduate students, teachers, librarians, media and the general public. The application increases the availability of information by supplying a point-and-click graphical interface to a wide range of legislative computer based resources. It will contribute to the development of new multimedia teaching tools and services and will facilitate distance-learning.

**Technical approach**

The project consists of three parts - a pedagogical and easy-to-use interface, a WWW-index and a search engine - which form an integrated whole: The European Legislative Virtual Library (ELVIL).

The first part will assemble a WWW index on law and politics in Europe in order to gather all Internet-accessible computer-based information resources on European law and politics into one coherent WWW-accessible database.

The second part will develop a multimedia educational aid, including a multi-lingual thesaurus, for students of European law and politics, teachers and librarians.

The third part will construct a search engine composed of a common WWW interface and software gateways for easy and concurrent access to the national parliamentary databases and to the European parliamentary database. A final prototype will be presented after 24 months.

## Action Line C: Library services for access to networked information resources

| Key issues | The main technical issues are:<br>• all issues associated with the design of a WWW-based Internet online service;<br>• multimedia design and user friendliness;<br>• database design;<br>• interoperability;<br>• conformity to Internet standards and security;<br>• the use of HTML for all applications as a way to build user interfaces;<br>• TCP/IP over the Internet as the transport protocol-suite;<br>• firewall technology and an extensive certification programme to ensure the necessary level of trust. |
|---|---|

**Impact, users and expected results**

The project will make a significant contribution to both the extent and quality of the infrastructure for European legislative and legal information. It will increase the potential for civic participation as well as providing basic tools for both traditional and long-distance education. Through the production of multimedia educational material the project will help to integrate the new online library services in a distance learning environment.

There will be three main test sites in Sweden, Spain and the UK.

**Expected duration**   24 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Stockholm University | SE | C |
| De Montfort Univerity Library | UK | P |
| Universitat Oberta de Catalunya | ES | P |
| Context | UK | A |
| Sveriges Riksdag | SE | A |
| Riksdagsbiblioteket | SE | A |
| Diputació de Barcelona | ES | A |
| Örebro stadsbibliotek | SE | A |
| European Parliament, Directorate General for Research EPOQUE | LU | X |

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**Status**

Under Negotiation
Operative Commencement Date (Planned): September 1996

**Date**   20 July 1996

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Libraries: Electronic Remote Access to Information over Networks

LIBERATION

*Keywords: Electronic library; Electronic publications/publishing; Hypermedia; Hyper-G*

Proposal No: LB-3063

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**Action Line**

C: Library services for access to networked information resources.

**Call Topic(s)**

11: User applications supporting unified access to combined networked information and library-based resources.

**Project description**

The project is based on the credo that modern libraries must provide a dynamic, annotatable and easily searchable information space that is not restricted by physical boundaries. It is less clear, however, to what extent material should be scattered over the Internet, reside in local servers or be stored on individual CD ROMs.

LIBERATION sets out to provide answers to this question. It takes a substantial body of information (e.g. journals, textbooks, reference works, dictionaries, courseware) that is, or is about to be available in electronic form, and packages it into a format that allows distribution to libraries via CDs, LANs and WANs such as the Internet. It will monitor the reaction of users in two different environments: at the user's workplace and at easy-to-use terminals in conventional libraries. LIBERATION will also evaluate a paradigm for charging that has shown more promise in the past than time-based, volume-based or individual-subscription-based techniques.

**Technical approach**

The project will prepare a fairly substantial set of multimedia material and package it for usage on both CD-ROMs and for network use. Network use will be both via Internet and via local networks (LANs) that are "fed" from the Internet. In the Internet, traditional billing models (subscriptions and volume charges) and free access to some material will be offered and data on the effects of various billing schemes will be collected. In particular it will be investigated whether the claim is true that "if a multimedia version of a book is offered on Internet for free, then the sales of the printed book go UP rather than DOWN". In the LAN version, material will be offered for "n users at a time" where the fee a library pays to the publisher increases as n grows. Both networked variants will be tested with users at the workplace and with terminals placed in libraries. The underlying server technology is Hyper-G.

**Key issues**

The main issues to be explored include:
- Cooperation of libraries and publishers in the field of electronic publishing via networks and CD-ROM;
- behaviour of end-users with regard to accessing electronic library materials;
- Cost recovery schemes and mechanisms in an electronic library environment.

| | |
|---|---|
| **Impact, users and expected results** | LIBERATION provides the first genuine comparison between various types of use of electronic material. This will allow increased efficiency both in the production and use of multimedia material in libraries or supplied by libraries. LIBERATION will also be a showcase: it is fair to assume that one of the variants of it will be successful enough to warrant further exploitation, including the reorientation of libraries to new modes of serving their customers and of European publishers to more profitable fields. LIBERATION is a carefully balanced answer to some of the grand digital library schemes in the US: rather than putting all eggs in one basket LIBERATION allows to go full speed into electronic publishing, adjusting the direction according to the wishes of users and the market. |

**Expected duration**   30 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Institute for Information Processing and Computer Supported New Media, TU Graz | AT | C |
| Hallward Library, University of Nottingham | UK | P |
| University of Freiburg (Library and Institute for Informatics) | DE | P |
| Addison-Wesley Germany | DE | P |
| Bibliographisches Institut & F.A. Brockhaus | DE | P |
| Springer Verlag | DE | X |

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**Status**   Operative Commencement Date: May 1996

**Date**   20 July 1996

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Library Integrated System for Telematics-based Education

**LISTED**

*Keywords: Adult independent learners; Copyright; Distance learning; Lifelong learning;
Public library services*

Proposal No: LB-3111

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**Action Line**          C: Library services for access to networked information resources.

**Call Topic(s)**        12: Integrating library services with distance learning environments.

**Project description**  LISTED integrates "Flexible and Distance Learning" (FDL) solutions into a public library environment. Library users will gain access to a wide range of learning materials through a consistent interface: the library. This range includes a portfolio of interactive multimedia FDL titles, "wrapped" with distant (via networks) or local mentor-support. Six prototypes in four EU Member States are envisaged. These will be linked for Europe-wide user-support, feedback and discussion fora. Building on the PLAIL project, LISTED includes an updated analysis of user needs and a market analysis for future exploitation. Pertinent copyright issues are also dealt with in depth.

**Technical approach**   The core technical development will be that of an extended catalogue tool for use by libraries in searching and finding resources appropriate to their clients. It will provide the links to existing multimedia learning material via long-distance (including the Internet and satellite networks) and local networks (including CATV, networked CD-ROM/CD-I), thus allowing users direct use or sampling of potential learning opportunities.

**Key issues**           Among the issues covered by LISTED the following are prominent:
- Support of adult independent learners, in particular those who are at a disadvantage (handicapped people, workplace returners, etc.).
- Library staff training in providing services to adult independent learners.
- Market research and copyright problems.

**Impact, users and expected results**   LISTED proves that the public (local) library can be an efficient gateway to lifelong learning. It shows that by a relatively small investment in computer and networking technology libraries can extend significantly the information services provided to clients who are in search of further education opportunities. A key outcome of LISTED will in fact be a business plan, embracing findings from six test sites in four EU Member States. It will emphasise the technological, personnel and other resource implications associated with library based FDL services.

*Action Line C: Library services for access to networked information resources*

**Expected duration**      27 months


| Participants | Organisation | Country | Role |
|---|---|---|---|
| | Solihull Metropolitan Borough Council, Libraries and Arts Department | UK | C |
| | AN Chomhairle Leabharlanna | IRL | P |
| | Clwyd County Council, Library and Information Centre | UK | P |
| | Danish Technological Institute | DK | P |
| | Instituto da Biblioteca Nacional e do Livro | PT | P |
| | Universitat Aberta de Catalunya | ES | A |
| | Fundación Municipal de Cultura, Educación y Universidad Popular de Gijon | ES | A |
| | University College Dublin | IRL | A |
| | Staffordshire Open Learning Unit | UK | A |
| | Dublin Corporation Public Libraries | IRL | A |
| | Kildare County Library | IRL | A |
| | Universidade Aberta | PT | A |
| | Camara Municipal de Setubal | PT | A |
| | Discovery Solutions Ireland, Ltd. | IRL | A |

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**Status**      Operative Commencement Date: April 1996

**Date**      20 July 1996

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Harmonised Access & Retrieval for Music-Oriented Networked Information
Concerted Action

**HARMONICA**

*Keywords:  Bibliographic records; Multimedia; Music libraries; Networking; Standards*

PROLIB-HARMONICA

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**Concerted Action**      This is a concerted action in the area of networked music services in libraries, potentially covering all action lines.

**Call Topic(s)**      It involves, but is not restricted to, Call Topics 1 (integration tools), 7 (new scenarios for distributed libraries) and 8 (user services based on resource discovery).

**Project description**      While music has always been an integral component of the traditional library environment, it has not always received the attention it deserves, probably as a result of the complexity of the issues it involves. Difficulties in handling music have been compounded now that it has evolved from scores and printed literature to include recorded music and, more recently, the use of new media and networks for text, sound and images.

The main aim of the HARMONICA initiative is, therefore, to improve access through libraries to music collections of different types, while taking into account the needs of various groups of users in the evolving world of networked information and interactive multimedia.

Many players are involved in the area of networked services for music. They include research centres, publishers and related market-oriented suppliers, networking interests, performance rights agencies and standards bodies.

**Technical approach**      The concerted action will be divided into two phases. The first 10-month phase, through three studies and a range of concertation activities, will be used for mapping out the current state of the art and defining priorities while the second phase (26 months) will concentrate on achieving consensus in the priority areas selected as a means of developing an infrastrucutre for further research and development.

Task groups will be created to coordinate work on catalogues and collections, on user needs and interface requirements and on networks and digitisation. In addition, conferences and workshops will be held to obtain advice and feedback from other experts on the developments and ideas emerging from the concerted action and related activities.

**Key issues**          The following issues will be given special attention, particularly in the first phase:
- compilation of a directory of key music information sources;
- review of cataloguing practice to prepare for integrated access;
- guidelines for digitisation, storage and retrieval of music resources;
- mark-up practice for musical scores as a component of networked access;
- examination of user needs for professional and general users;
- development of models combining the three main aspects of music information: documents/recordings, catalogues and users;
- examination of telecommunications costs and facilities across Europe.

**Impact, users and expected results**          Provision of a more robust framework for the development of networked music information services in libraries.

**Expected duration**          36 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| SVB | NL | C |
| Österreichische Akademie der Wissenschaften, Kommission für Schallforschung | AT | A |
| Dansk Musik Informations Center | DK | A |
| UNI-C | DK | A |
| Bibliothèque Nationale | FR | A |
| Institut de Recherche et de Coordination Acoustique - Musique | FR | A |
| The Friends of Music Society | GR | A |
| Discoteca di Stato | IT | A |
| Donemus | NL | A |
| Music Library of Sweden | SE | A |

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**Status**          Under negotiation
Operative Commencement Date (planned): September 1996

**Date**          20 July 1996

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European Copyright User Platform

ECUP +

*Keywords: Copyright*

Proposal No: 3000

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**Concerted Action**  This is a concerted action to enhance awareness among information professionals of copyright issues.

**Call Topic(s)**  This action underpins all areas of the workplan.

**Project description**  The technological developments towards digitization and enhanced electronic services confront libraries with increasing problems with regard to (electronic) copyright. Especially in the field of electronic (delivery) services a library-friendly solution has to be found rapidly. If not, it will frustrate further innovation of library services and will push libraries into a disadvantage position. ECUP+ builds on FP3-funded activities, started in 1993 and which included the establishment of the European Copyright User Platform and its awareness campaign.

The goals of this concerted action are to follow-up the results achieved under the previous ECUP activities and to establish new services to enhance the awareness on copyright amongst information professionals. The concerted action has been organised along four objectives:

- to continue discussing library privileges in electronic services and to develop model clauses for licenses for the use of electronic information with rightholders and collecting societies;
- to continue making librarians aware of the implications of copyright on electronic services and to introduce the results of the discussions with rightholders and collecting societies;
- to establish a focal point for questions on copyright and information on EU legislative developments in this area;
- to reinforce the position of libraries in discussions about copyright issues with the appropriate bodies.

**Technical approach**  During the first 9 months, a total of 6 meetings will be held in different compositions with the rightholders and the collecting societies. In the 9 months following 15 workshops will be given to report the results of these meetings.

The focal point for copyright questions will be set up from the beginning of the contract and will start with a discussion list. At a later stage it will also function as the coordinator and distributor of information on copyright issues coming from the European institutions, WIPO, WTO and the USA Information Infrastructure Task Force. An inventory will be made of the most frequently asked questions and the results published. The focal point will be linked up with ISPO and other EU services on the WWW.

The legislative changes agreed on by the Steering Group will be forwarded to the members of EBLIDA for promotion among the national governments.

## Concerted Actions & Accompanying Measures

| | |
|---|---|
| **Key issues** | The main issues are:<br>• the steering group;<br>• a WWW server;<br>• a moderated list server;<br>• National workshops in all Member States. |

**Impact, users and expected results**

The meetings between the rightholders and the library professionals will contribute to a better understanding and will give grounds for common actions. The workshops in the Member States will raise additional awareness to the workshops already held under the previous contract. The common actions with the rights owners will be introduced as well as the projects adopted under the Libraries Programme.

A focal point on copyright questions does not exist at the moment. This focal point will enable the participants under the Libraries Programme to acquire professional consultation on a subject which is vitally important to the library profession. The focal point will also enhance discussions on copyright issues over the WWW and will function as a one-stop shop for information on international copyright developments.

The activities of the Steering Group will reinforce the position of libraries at a national and an international level.

**Expected duration**    36 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| EBLIDA | NL | C |
| 38 Member Associations | All EU<br>Member<br>States | A |

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**Status**    Operative Commencement Date: January 1996

**Date**    20 July 1996

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European Forum for Implementors of Library Applications

**EFILA+**

*Keywords: Implementors forum; Interlibrary loan; Library automation applications; Standards;
SR/Z39.50*

Proposal No: 3012

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**Concerted action**
EFILA is a concerted action in the area of the implementation of open standards for library automation.

**Call Topic[s]**
4: Creating and testing interconnected library services, integrating applications for at least two different library service functions.

**Project description**
The European Forum for Implementors of Library Applications will be open to all parties interested in library automation. The target group of the activities will be those organisations, groups, and persons involved in the implementation of standards in connection with library networking and automation. The aim is to encourage implementors of library automation systems to participate in the EFILA activities. EFILA has been recognised by the North American ZIG group as a liaison partner in the development of Z39.50 which is to become the ISO standard for Search and Retrieve. Through this relationship with EWOS/EG-LIB EFILA will participate in feeding standardised profiles to ISO/TC 46 harmonising the profiling work with IFOBS and OIW/SIG-LA (ZIG).

**Technical approach**
A Programme Committee, with pan European representation, will be established to advise and plan the activities of EFILA. EFILA will meet four times during 1996. Two meetings will be general and two meetings will focus on a specific subject. Meetings in 1996 are planned for January, March, June and October. The main topic for January is European experience with implementing ANSI Z39.50 version 3. For the October meeting, EFILA will host the ZIG (Z39.50 Implementors Group) meeting in Brussels and in conjunction with this will arrange tutorials on Z39.50, character sets, the combination of ILL and Z39.50, etc.

The already existing discussion list (ca 130 subscribers) will be continued. Anyone interested in implementation issues can on request be added to the mailing list. The Secretariat will maintain the list, the mailing archive, and will actively search for relevant information and distribute it on the list.

EFILA World Wide Web pages will be established to give information on the activities of EFILA. Links to Web pages on projects and activities relevant to implementation of library applications will be established. The secretariat will maintain the WWW pages. The aim of the EFILA Web pages is to create a common place for implementors where they can exchange information on their projects and find relevant information on standardisation activities.

## Concerted Actions & Accompanying Measures

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|---|---|
| **Key issues** | The globalisation of the information society and the development of electronic libraries puts a greater demand on libraries to create integrated systems able to act as a single system for the user. This requires the widespread use of standardised solutions based on internationally recognised standards. Implementors and suppliers of library applications need to become more aware of the existing standards and their opportunities to influence the development of these standards. |

**Impact, users and expected results**

EFILA intends to:

- make implementors more aware of standards;
- create a forum for implementors where they can exchange information and their experiences, create contacts with other implementors, and give input to the library standardisers;
- organise meetings where implementors can meet with experts and discuss relevant topics in working groups;
- provide feedback to the profiling work of EWOS and other regional workshops.

**Expected duration**    12 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| Danish Standards Association | DK | C |
| EWOS | BE | X |
| | | |
| Active participants (examples) | | |
| British Library | UK | |
| BRODD | NO | |
| Deutsche Bibliotheks Institut | DE | |
| Fischer & Lorenz | DK | |
| Universitetsbibliothek, Karlsruhe | DE | |
| Teltec | IRL | |
| LIBRIS | SE | |
| Dansk Biblioteks Center | DK | |
| Koninklijke Bibliotheek | NL | |
| TKAY | FI | |
| Fretwell-Downing | UK | |
| Intecs Sistemi, Pisa | IT | |

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**Status**    Operative Commencement Date: January 1996

**Date**    20 July 1996

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Concerted Action on Management Information for Libraries in Europe

CAMILE

*Keywords:- Performance measurement/indicators; Quality management; Standards*

Proposal No. LB-3026

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**Concerted Action**

This project is a concerted action in the area of performance measurement and decision support in libraries.

**Call Topic(s)**

3: Development and testing of tools for the management and administration of library services in an electronic environment.

**Project description**

The CAMILE project will bring together experience and expertise in library management through the partnership of four existing Libraries Programme projects working in the area of decision support in libraries. It is anticipated that this will lead to long term consensus, the development of common approaches and ultimately the development building of new standards.

The action will provide for information sharing beyond the life of all four existing projects (DECIDE, DECIMAL, EQLIPSE, MINSTREL). Expert subject groups will be formed which will share expertise leading to the identification of research areas requiring further work and stimulation. A programme of dissemination, aimed at multiple levels of competence within the library community, will provide training and continuing education, in addition to examples of best practice and practical application of modern management techniques in libraries.

**Technical approach**

The action is designed to directly exploit the outcomes of existing research activities, extending these through the development of common themes and the extension of communications processes. The action will:
- build consensus on the issues and activities relating to library and information management including, decision making performance measurement, performance indicators and the measurement and assessment of quality both quantitatively and qualitatively;
- provide a framework for technical and theoretical discussion, formulation of common policies and the development of standards;
- bring together activities and ideas at a national level and contribute at European and international level to the identification of areas/topics worthy of further investigation and research;
- provide a forum wherby information on new research areas, common issues and challenges can be relayed back to EC projects and programmes.

**Key issues**

Project interaction, cooperation and dissemination of results.

| Impact, users and expected results | It is anticipated that this concerted action will lead to a greater and more effective use of management information tools and techniques in libraries in Europe. It will encourage the use of European focused performance measures and contribute to greater communication of information between libraries. The involvement of a range of library system suppliers will ensure the take-up of results into new generations of library systems. The contribution of library schools will ensure the penetration of ideas and actions into the library profession. The concertation will also establish communication between interested libraries designed to be continued after the end of the project. |
|---|---|

**Expected duration**     24 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| De Montfort University | UK | C |
| Carpenter Davies Associates | UK | P |
| Manchester Metropolitan University | UK | P |
| University Central Lancashire | UK | P |
| University College, Dublin | IRL | A |
| Universidad de Alcalá de Henares | ES | A |
| Inheritance Systems | UK | A |
| Dublin City University | IRL | A |
| Dynix Ireland Ltd. | IRL | A |
| Universitäts- und Landesbibliothek, Munster | DE | A |
| BNC, Roma | IT | A |
| Stockholm University Library | SE | A |

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**Status**     Under negotiation
Operative Commencement Date (planned): Autumn 1996

**Date**     20 July 1996

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Public Libraries Concerted Action

**PubliCA**

*Keywords: Information Society; Public library services*

Proposal No: 3055

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**Action Line**          Concerted Action, across all Action Lines.

**Call Topic**           Not applicable.

**Project description**  The overall purpose of PubliCA is to support development and enhancement of public library services throughout the European Union. Public libraries are essential information resources for their communities, sustaining democratic opprtunities and creating social cohesion. PubliCA will enable a coherent approach to the development of new services to meet the needs of the citizens in the Information Society; while ensuring that the new services are integrated with traditional public library services. The concerted action will also help the European Commission to ensure that public libraries are able to play an active role in the Libraries Programme by raising awareness amongst public libraries about the opportunities of the Programme, by providing guidance through the procedures of the Commisssion and by developing methods to allow the public libraries to benefit from the results and developments in other EC funded projects. In addition the action is aimed at the reduction of disparity between public libraries in different Member States.

**Technical approach**   Two main activities are foreseen:
- designing and implementing an integrated awareness raising, knowledge transfer and training strategy for public libraries on opportunities within and results from the Libraries Programme;
- collecting validating and disseminating relevant economic and organisational information to enable public libraries to choose and implement technologies tools and products relevant to the integration of services.

**Key issues**           The main issues are:
- interaction and co-ordination with the study public libraries in the Information Society, by the formation of a Steering Group;
- awareness raising and information exchange through the compilation and distribution of information packs, proposers and information days, setting up of a European public library Web site;
- the preparation of PubliCA phase II, which will be based on a much broader group of public libraries; the organisational structure, mandate and detailed tasks will be defined.

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|---|---|
| **Key issues (continued)** | • project identification and definition; an inventory of ongoing public library projects inside and outside the EU will be made; possible consortium partners will be identified; currently four possible project areas are identified (Internet applications in public libraries, Information mediator staff training, Open distance learning, Decision support systems), within these areas further project definition will take place; |
| | • reduction of disparity between public libraries in different Member States; studies will be specified in order to investigate a strategic approach towards a more harmonised European public library space. |

| | |
|---|---|
| **Impact, users and expected results** | The direct result aimed for is a better participation of public libraries in the Libraries Programme; in the long(er) term the action should create a better position for European public libraries in the information society and help ensure their role. |

| | |
|---|---|
| **Expected duration** | 24 months (duration of phase I is 12 months) |

| **Participants (provisional)** | Organisation | Country | Role |
|---|---|---|---|
| | Stad Leuven | BE | C |
| | London Borough of Croydon | UK | P |
| | Aarhus Kommune | DK | P |
| | Helsigin Kaupunki | FI | P |
| | Dublin Corporation | IRL | P |
| | Municipal de Oeiras | PT | P |
| | Royal Danish Library School | DK | P |
| | Teledanmark Consult | DK | A |

| | |
|---|---|
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| | |
|---|---|
| **Status** | Under negotiation<br>Operative Commencement Date (Planned): Autumn 1996 |

| | |
|---|---|
| **Date** | 20 July 1996 |

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Implementation Maintenance and Promotion of the EDILIBE/EDITEUR Standards Sets

**IMPRESS**

*Keywords: EDI/EDIFACT; Standards*

Proposal No. LB-3091

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**Accompanying Measure**  
This project is an accompanying measure in the area of EDIFACT and EDI standards in libraries.

**Call Topic(s)**  
6: Services for the acquisition and supply of materials to libraries.

**Project description**  
Project IMPRESS aims to support, disseminate and encourage implementation of the book sector EDI standards produced as part of the EDILIBE project by providing maintenance of the EDItEUR/EDILIBE EDI message set, stimulating and supporting its implementation and promoting the benefits of EDI.

Having successfully completed promotional activities in Spain and Italy, this project will also concentrate on promotion of EDI in Denmark, Sweden and Finland. The project will be managed and co-ordinated by EDItEUR, the Pan-European Book Sector EDI Group sponsored by the European Bureau of Library and Documentation Associations (EBLIDA), the Federation of European Publishers (FEP) and the European Booksellers Federation (EBF). EDItEUR's Board of Directors are nominated by these three bodies.

EDItEUR will use experienced consultants to undertake the detailed technical tasks guided by a working party of library, bookseller and publisher users.

**Technical approach**  
The key emphases of Project IMPRESS will be:
- to provide maintenance of the messages produced as part of the EDILIBE Project, revising the message formats, code lists and implementation notes as required in the light of user demands and changes to the underlying EDIFACT standards;
- to stimulate and support the implementation of the EDItEUR/EDILIBE EDI messages, ensuring uniform and consistent interpretation and implementation of the standards by setting up and servicing implementation groups, help desk facilities, electronic mail support and forums;
- to design, set up and maintain an EDItEUR Internet World Wide Web site and electronic mail list server to support maintenance, implementation and promotion of the EDItEUR/EDILIBE EDI standards;
- to promote the use of EDI and the EDItEUR/EDILIBE standards to the European book sector in general and the Danish, Swedish and Finnish book sectors in particular by producing local language versions of the EDItEUR Book Sector EDI information pack and organising seminars for leaders of the library, publishing and bookselling sectors in those countries.

## Concerted Actions & Accompanying Measures

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|---|---|
| **Key issues** | The promotion and maintenance of EDILIBE/EDItEUR standards sets. |

**Impact, users and expected results**

Key effects of the continuing European book sector EDI activities, supported by the Libraries Programme, have been to influence the book sectors of other non-EU countries, such as Canada, Japan and US, to adopt the EDItEUR message standards, providing opportunities for libraries to obtain the books they require from those countries and to facilitate export of European books. The use of EDI has also been shown to increase efficiency and reduce costs, enabling staff to be employed in more productive tasks than rekeying and improving customer service throughout the book sector. It is anticipated that the IMPRESS action will provide support to the continuance of these successes in the use of EDI in the library/booktrade business cycle in Europe.

**Expected duration**    24 months

**Participants**

| Organisation | Country | Role |
|---|---|---|
| EDItEUR | UK | C |
| Den Danske Boghandlerforening | DK | S |
| A. B. Seelig & Co | SE | S |

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**Status**    Operative Commencement Date: Summer 1996

**Date**    20 July 1996

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Computerised Bibliographic Record Actions Plus Preservation and Service Developments for Electronic Publications

**CoBRA+**

*Keywords: Bibliographic records; Electronic publications/publishing; Metadata; National libraries*

Proposal No: LB-3100

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**Concerted Action**   This is a concerted action involving national libraries in Europe.

**Call Topic(s)**   6: Services for the acquisition and supply of materials to libraries;
2: Tools and methods for the creation and use of library materials in electronic form.

**Project description**   This is a concerted action, involving national libraries in Europe. Its main goals are to build on a concertation activity (CoBRA) set up in 1993 to promote initiatives and actions in the area of national bibliographic services at a European level. CoBRA+ will continue work already under way but will widen its focus beyond national bibliographic services to include collection based issues particularly those concerned with electronic publications and related service developments in national libraries. Particular emphasis will be placed on resource access and sharing, user needs and the use of communications networks to achieve these aims.

**Technical approach**   The Steering Group of 8 national libraries will establish two main Task Groups. The first will deal with metadata and bibliographic control and access, with particular reference to electronic publications. The second will be concerned with examining issues and recommending actions in the area of electronic publications and digital resources. The task groups will examine issues underpinning the development of future projects, and carry out small-scale, targetted technical feasibilities.
There will also be a steering group with the role of developing exploitation plans for the implementation and integration into the operations of libraries of both the results of projects currently being carried out under CoBRA and results from CoBRA+ projects which become available.

| | |
|---|---|
| **Key issues** | The main technical issues to be explored are:<br>• bibliographic description for electronic and network publications and related access issues;<br>• subject access, authority control, language issues (particularly in a networked environment);<br>• networked information resource description and retrieval;<br>• digitisation techniques;<br>• implications of legal deposit of electronic publications;<br>• long term storage of, and access to, electronic publications and digital collections;<br>• service developments for electronic publications and digital collections;<br>• integration into operational and service environments of current work into conversion formats, character sets, file transmission standards. |
| **Impact, users and expected results** | CoBRA+ will continue the promotion and implementation of agreed common actions between key national libraries and other major players in Europe, aimed at stimulating the creation of a European libraries infrastructure. It will encourage cross-border resource sharing and access to services, by libraries and by their users.<br>The results will be: recommendations for projects and collaborative initiatives; technical feasibilities and recommendations; exploitation plans for integrating results of ongoing CoBRA initiatives. |
| **Expected duration** | 24 months |

**Participants**

| Organisation | Country | Role |
|---|---|---|
| British Library | UK | C |
| Deutsche Bibliothek | DE | P |
| Bibliothèque Nationale | FR | P |
| Koninklijke Bibliotheek | NL | P |
| Instituto da Biblioteca Nacional e do Livro | PT | P |
| Helsingin Yliopiston Kirjasto (National Library of Finland) | FI | P |
| National Library of Ireland | IRL | P |
| Schweizerische Landesbibliothek | CH | P |

| | |
|---|---|
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| **Date** | 20 July 1996 |

EUROPEAN COMMISSION
COMMISSION EUROPEENNE

*Telematics for Libraries*
*NATIONAL FOCAL POINTS*

*Télématique pour les bibliothèques*
*POINTS FOCAUX NATIONAUX*

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*Research and development in the Libraries Sector of the Telematics Applications Programme aims to help increase the ready availability of library resources across Europe and to facilitate their interconnection with the information and communications infrastructure. The two main orientations are the development of advanced systems to facilitate user acces to library resources, and the interconnection of libraries with other libraries and the developing "information highway".*

*National Focal Points for the Libraries Sector have been established in all member States and in other European countries to promote the programme and to assist proposers requiring sector-specific advice and information.*

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