



LIBRARY

SPECIAL ISSUE

January 1983

18

NEWSLETTER

from the Department for Scientific and Technical Communication

SPECIAL ISSUE ON TELEMATICS**ELECTRONIC DOCUMENT DELIVERY****1. A study of the relationship between user needs and technology options****THE STUDY OBJECTIVES WERE:**

To specify user needs and assess how closely the various technology options for electronic document delivery currently or soon to be available are likely to match those needs, including financial requirements.

To assess the ability and willingness of publishers to operate a document delivery service.

THE STUDY METHODOLOGY included:

postal questionnaires
personal interviews
a technology review and assessment
development of scenarios
costing of typical systems
literature searches

THE STUDY REPORT gives:

- an analysis of questionnaires completed by librarians, information officers, information scientists and users of library and information services
- transcripts of interviews with users and representatives of user organisations
- an analysis of questionnaires completed by publishers
- transcripts of interviews with publishers
- a review of developments in data capture (text and images), phototypesetting and composition, storage, media, systems, transmission and output devices
- scenarios based on Teletex, facsimile transmission, a hybrid of Teletex and facsimile transmission, satellite transmission, digital optical disc and magnetic tapes
- capital costs, running costs and user costs for typical systems

- a conceptual framework for a document delivery service
- bibliographies on factors relating to the market for a document delivery service and electronic mail

THE STUDY CONCLUDES that:

- there are a number of scenarios for an electronic document delivery service which represent a reasonable, though no complete, match with user's and publisher's requirements, if technical criteria alone are used
- an electronic document delivery service based on current technology could be offered at a price which would appear reasonable to potential users
- publishers in the scientific, technical, medical and professional fields are willing to set up and operate a document delivery service if this is economically viable.

WHO COMMISSIONED THE STUDY?

The study was commissioned jointly by the Publishers Association of the United Kingdom and DG XIII, the Directorate-General Information Market and Innovation, Commission of the European Communities.

The work was undertaken by Pira, the UK research association for the paper & board printing and packaging industries, and the report is published by IEPIC, the International Electronic Publishing Research Centre.

WHO SHOULD READ THE REPORT?

The study is essential reading for policy makers, those with responsibility for strategy and future profit generation in publishing, information managers and equipment suppliers to the information industry. The study provides unique information on:

- information user attitudes
- document delivery technology

- the role of communications technology
- cost comparisons
- systems conceptualisation.

An individual company wishing to undertake such research would require to invest a minimum of £ 50.000 in research resources. The study, complete with full documentation, is offered at a price equal to less than 1% of such costs. The report is in the following parts:

- Literature search
- User survey
- User interviews
- Publishers survey
- Technical mechanisms for document delivery
- The relationship between user needs and technology options for a document delivery service
- Economic feasibility
- Framework for a document delivery service and includes a Management Summary and an Appendix of Select Bibliographies.

It is presented in two volumes, in looseleaf A4 format:

volume 1, 350 pages; volume 2, 286 pages
Price £ 250 for the two-volume report.

The report can be obtained from:

The International Electronic Publishing Research Centre — IEPRC
Pira House
Randalls Road
Leatherhead
Surrey KT22 7RU
ENGLAND

2. Call for proposals for experiments on electronic document delivery and electronic publishing

The Commission would welcome proposals for experiments on EDD and electronic publishing.

Interested publishers, libraries, database producers, host computer operators, equipment manufacturers, communication service providers, user groups etc. are invited to request from:

Mr C. VERNIMB
Commission of the European Communities
DG XIII-B Office B4/022
Jean Monnet Building
Kirchberg
L - 2719 LUXEMBOURG

a formsheet for submitting proposals and information material.

Interest in proposing experiments should be declared not later than 21 January 83. The deadline for submitting the final proposals is 6 May 1983.

3. Other recent publications

ELECTRONIC DOCUMENT DELIVERY — I The ARTEMIS concept for document digitalisation and teletransmission

This report prepared by Arthur D. LITTLE, describes a document delivery service, code name ARTEMIS, which prints out on reader's terminals the pages of scientific and technical documents requested from computer data bases. Source documents are 'digitalised', that is, converted to computer readable form, either as text or as facsimile. The former can be printed on a teleprinter, but does not preserve all the format of the original; the latter can be delivered to a facsimile receiver. The digitalised documents are stored in data bases attached to host computers. From these, they can be retrieved in response to a user's request and sent overnight via Euronet or another telecommunications network, to the user's unattended terminal or to his computer for later printing.

Over half of the report is devoted to a detailed and eminently readable description of the technology including a listing of equipment on the market. The technologies affecting electronic document capture and storage, printing terminals and copiers as well as the telecommunications options available are examined and analysed for the non-expert.

EUR 7170 EN
pp.: xi + 233
Price: £ 29,—

ISBN 0-904933-29-6

ELECTRONIC DOCUMENT DELIVERY — II Proceedings of a workshop and exhibition organised by the CEC, Directorate-General Information Market and Innovation.

As a second step in the Commission's study of electronic document delivery, an exhibition and workshop was held 18/19 December 1980 in Luxembourg at which relevant systems and services were demonstrated. An impressive group of experts was invited from all aspects of the information and communications industries to deliver presentations or to take part in the discussions which followed. The result is a vivid report of expert views indicating current involvements in projects and some authoritative crystal-ball gazing. The full names and addresses of some 100 participants are given in there.

EUR 7606 EN
pp.: xvi + 214
Price: £ 29,—

ISBN 0-904933-32-6

ELECTRONIC DOCUMENT DELIVERY — III Electronic Publishing Trends in the United States and Europe

In this report prepared by Information Management Associates an assessment is made of the current status of the publishing industry in Europe and the USA, with special reference to the

Falls Sie nähere Informationen über die Tätigkeit der Kommission auf wissenschaftlichem und technischem Gebiet sowie die neuesten auf diesen Gebieten erschienenen Berichte, Artikel, Konferenzberichte, Handbücher, Adressbücher, Atlanten, Glossare usw. wünschen, lesen Sie bitte:

- Euroabstracts Sektion I (betr. Tätigkeiten, die unter die EWG- und EURATOM-Verträge fallen),
- Euroabstracts Sektion II (betr. Tätigkeiten im Bereich des EGKS-Vertrages).

Ein Freixemplar kann bei folgender Anschrift schriftlich bestellt werden: KEG - GD XIII/A2, Jean Monnet-Gebäude B4/84, Postfach 1907, Luxemburg.

Bibliografische Informationen aus Euroabstracts sind auch on-line über Euronet-Diane in der EABS-Datenbasis erhältlich. Nähere Auskünfte können schriftlich bei Ms A. ILJON, Postfach 1907, Luxemburg, und telefonisch unter Nr. 4301-2923 Luxemburg erfragt werden.

Über die neuesten Entwicklungen auf diesen Gebieten halten Sie die Videotext-Anzeigen der Kommission auf dem laufenden:

- im Vereinigten Königreich (Prestel * 24845 #)
- in den Niederlanden (Viditel * 5213 #)
- in der BR Deutschland (Bildschirmtext * 24845 #)
- in Frankreich (Télétext: PL * CEE - envoi)
- in Dänemark (Teledata * 42018 #)

Hier finden Sie auch die neuesten Informationen über

- die letzten Entscheidungen des Ministerrats auf dem Gebiet der Forschung;
- die letzten Submissionen für Vertragsforschung;
- geplante Konferenzen, Symposia, usw.
- die neuesten Veröffentlichungen
- einen besonderen Artikel „Die Erfindung des Monats“ usw.

If you require detailed information about the Commission's activities in the scientific and technical field and in particular about recently published reports, articles, conference proceedings, manuals, directories, atlases, glossaries, etc. associated with them, consult:

- Euroabstracts Section I (activities covered by EEC and Euratom Treaties) and/or
- Euroabstracts Section II (coal and steel)

For a free copy write to CEC - DG XIII/A2, JMO B4/084, BP 1907 Luxembourg. Bibliographic information from Euroabstracts is also available on-line via Euronet-Diane in the EABS data base. Write to ECHO service, Ms A. ILJON, BP 1907, Luxembourg, for details or call Luxembourg 4301 2923.

If you wish to keep up to date with the highlights of these activities, consult the Commission's Videotex journals:

- in the UK (Prestel * 24845 #)
- in the Netherlands (Viditel * 5213 #)
- in the Federal Republic of Germany (Bildschirmtext * 24845 #)
- in France (Télétext: PL * CEE - envoi)
- in Denmark (Teledata * 42018 #)

Where you will find news items on:

- latest Council of Ministers decisions on research,
- latest calls for tenders for research under contract,
- forthcoming conferences, symposia, etc.
- recent publications,
- a special feature: „The invention of the month“, etc.

Si vous désirez obtenir des informations détaillées au sujet des activités de la Commission dans les domaines scientifique et technique, en particulier en ce qui concerne les rapports, articles, actes de conférences, manuels, annuaires, atlas, glossaires, etc. qui s'y rapportent, veuillez consulter:

- EUROABSTRACTS, Section I (activités relevant des Traités CEE et EURATOM);
- EUROABSTRACTS, Section II (charbon et acier).

En vue de recevoir un spécimen d'EUROABSTRACTS à titre gratuit, veuillez vous adresser à: C.C.E. DG XIII/A2, JMO B4/084, B.P. 1907, Luxembourg.

Des renseignements bibliographiques contenus dans EUROABSTRACTS peuvent être également obtenus en ligne via EURONET-DIANE dans la base de données EABS. Pour toute information complémentaire, veuillez vous adresser à: Mme A. ILJON Service ECHO, B.P. 1907, Luxembourg, ou téléphoner au N° 4301-2923, Luxembourg.

Si vous voulez avoir des renseignements à jour sur les derniers développements dans ces domaines, les journaux VIDEOTEX suivants de la Commission peuvent être consultés:

- au Royaume-Uni (Prestel * 24845 #)
- aux Pays-Bas (Viditel * 5213 #)
- en République fédérale d'Allemagne (Bildschirmtext ** 24845 #)
- en France (Télétext: PL * CEE - envoi)
- au Danemark (Teledata * 42018 #)

Ces journaux vous renseigneront également sur:

- les dernières décisions du Conseil des Ministres dans le domaine de la recherche;
- les derniers appels d'offres pour des contrats de recherche;
- les conférences, symposia, etc. envisagés;
- les publications les plus récentes;
- un volet spécial consacré à l'innovation;
- etc.

Chi fosse interessato ad ottenere informazioni dettagliate sulle attività della Commissione nel campo scientifico e tecnico ed i relativi rapporti, articoli, atti di conferenze, manuali, annuari, atlanti, glossari, ecc., è pregato di consultare:

- Euroabstracts (Sezione I): attività previste nel quadro dei trattati CEE ed Euratom e/o
- Euroabstracts (Sezione II): carbone e acciaio.

Per ottenere una copia gratuita delle due precedenti pubblicazioni scrivere a CCE - DG XIII/A2, Casella postale 1907, Lussemburgo.

Le informazioni contenute negli Euroabstracts sono altresì accessibili in linea via Euronet-Diane nella base di dati EABS.

Scrivere al Servizio ECHO, Signora A. ILJON, Casella postale 1907, Lussemburgo o telefonare al 4301 2923 in Lussemburgo.

Per tenersi al corrente degli ultimi sviluppi su queste attività, è possibile consultare i giornali Videotex della Commissione:

- in Gran Bretagna (Prestel * 24845 #)
- nei Paesi Bassi (Viditel * 5213 #)
- nella Repubblica federale di Germania (Bildschirmtext * 24845 #)
- in Francia (Télétext: PL * CEE - envoi)
- in Danimarca (Teledata * 42018 #)

Le notizie ivi contenute riguardano:

- le più recenti decisioni del Consiglio dei Ministri riguardanti la ricerca,
- le più recenti gare di appalto per ricerche su contratto,
- l'annuncio di conferenze,
- la recensione di pubblicazioni contenenti risultati della ricerca comunitaria,
- informazioni su brevetti ed invenzioni,
- altre notizie varie sulle Comunità Europee.

As it is well known the usefulness of a catalogue depends very much on it being timely updated. A catalogue is therefore ideally suited for videotex implementation. However, given the high costs, not all 283 pages of the catalogue have been put on Videotex, rather a pilot experiment has been started in which only updates and additions will be displayed on the videotex services of the Commission.

What the videotex and catalogue user should do is checking regularly whether new updates or additions are displayed on videotex and make a note of them in part 4 of the catalogue.

Contact: R. RAPPARINI (0352) 4301 - 2780
in Luxembourg
or G. FONTAINE 780131
in Ispra (Varese), Italy

3. Videotex and the Press

- How will the press adapt its eighteenth century style of presentation to the age of electronic publishing?
- Will the newspaper's breadth of news coverage and its capacity to educate and provoke its readers survive in a medium more geared to reader's choice and less to browsing.
- How will advertising fare on the videotex page?

This book, the proceedings of a seminar held under the auspices of the European Commission, considers how the information revolution (in the form of videotex) will hit newspapers and how they will adapt commercially and editorially. With the help of experts working in the field, many actively fostering that revolution, the book is a topical analysis of questions of great importance to electronic publishing in general and to all who consume news in any form.

EUR 7828

ISBN 0-904933-38-5

pp.: 73

Price: £ 15,—

Order from: Learned Information Ltd, Besselsleigh Road, Abingdon, Oxford OX 13 6LG ENGLAND

impact that electronic publishing technologies will have on the structure and future prosperity of the industry. These technologies are reviewed, including videotex, on the information retrieval, cable television, direct broadcast satellites and videodisc systems. Special attention is given to document delivery services. The legal, social and economic issues arising from the adoption of electronic publishing techniques are also discussed.

EUR 8001 EN
pp.: 55
Price: £ 15,—

ISBN 0-904933-34-2

Three reports are available from:
Learned Information (Europe) Ltd.
Besselsleigh Road
Abingdon
OXFORD OX13 6LG
ENGLAND

VIDEOTEX

1. Pilot Experiment

The Commission of the European Communities is implementing a pilot experiment for the presentation of information from Community Institutions on Videotex.

The present database includes informations from the following Directorate-Generals:

Information Market and Innovation
Agriculture
Regional Policy
Information (Press Offices)
and from the European Investment Bank.

It is already available on Prestel in the UK (*2485 #) and will be soon extended to the Federal Republic of Germany, the Netherlands, France, Ireland, Belgium and Denmark.

Contact: R. RAPPARINI Tel.: (0352) 4301-2780
in Luxembourg.

2. Sectoral Projects

2.1 Euro Green Tree

The Task Force on 'Videotex in Agriculture' having taken note of the findings and conclusions of a market research study performed by Aregon and taking into account present national activities and experiences, recommended to prepare and, if feasible, to carry out pilot experiments for the application of Videotex in Agriculture. The project VIDEO GREEN TREE has been initiated with an invitation to tender for the design of a data-base and retrieval structure applicable in the Community for Videotex data-bases in the field of agriculture.

Contact: C. VERNIMB Tel.: (0352) 4301-2882
in Luxembourg

2.2 Soutraitel

CLAVECIN est le Centre de Liaison Alsace de Videotex pour les Entreprises Commerciales et Industrielles qui, avec l'appui de la Direction Régionale des Télécommunications, a créé une banque de données à usage professionnel dont les principaux chapitres sont les suivants:

- des informations pratiques et adresses utiles
- des informations sur la formation continue
- un marché des opportunités industrielles
- une bourse de déchets industriels
- des statistiques et des renseignements sur le commerce extérieur
- un annuaire des centres techniques
- l'agenda de la Chambre de Commerce et d'Industrie de Strasbourg et du Bas-Rhin
- des statistiques démographiques.

L'ensemble de ces informations ont été produites dans le cadre de cette opération par la Chambre de Commerce et d'Industrie de Strasbourg et du Bas-Rhin, la Chambre Régionale de Commerce et d'Industrie d'Alsace et l'Association de développement du Bas-Rhin.

Une première réalisation destinée directement aux entreprises du secteur de la sous-traitance (donneurs et preneurs d'ordre) a été inaugurée lors du dernier MIDESE. Il s'agit de la banque de données SOUTRAITEL.

Les personnes qui souhaiteraient recevoir de plus amples informations sur ce projet sont priées de s'adresser à:

— R. RAPPARINI (0352) 4301-2780 à Luxembourg
— Ph. EDEL (0033) 88-32.12.55 à Strasbourg

2.3 EDITEL

Editel, a viewdata company based in Belgium, has set up an Hotel Information Service on videotex for the attention of international travellers staying in Brussels. From the hotel videotex terminal, it will be possible to retrieve information on entertainment (restaurants, films, shopping, etc.), useful addresses (Airlines, banks, car rentals, etc.), news (business, sports, weather etc.), travelling (flight and train schedules), business (exchange rates, stocks, gold, ect.), living in Belgium (prices, holidays, etc.), fairs and conventions (special and urgent info).

The Commission of the European Communities will supply information via Editel:

- Who is who in the Commission
- Commission conferences in Brussels
- ECU exchange rate

Contact: R. RAPPARINI (0352) 4301-2780
in Luxembourg
or T. LOWETT - Editel (0032) 2-4665040
in Brussels

2.4 Catalogue of European Industrial Capabilities in Remote Sensing.

EUR 7956 EN ISBN 90-6191-263-6
pp.: x + 310
Price: Hfl. 60,—

Order from: A. A. BALKEMA, P.O. Box 1675 BR
ROTTERDAM

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Print run of the present issue: 30 000