

The CNR-GMD Virtual Library Project

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Objectives

“To build a virtual library for GMD and CNR that offers networked access to a distributed multi-format collection of technical reports from these two institutions”

“The basic infrastructure of this virtual library will be Dienst*”

*Dienst is the technology used by NCSTRL (*Networked Computer Science Technical Reference Library*)

Ercim Technical Reference Digital Library(ETRDL)

Digital library system which provides a *service* to assist the ERCIM scientists in exchanging their technical documentation and making it immediately available world-wide

<http://www.iei.pi.cnr.it/DELOS/ETRDL>

User Requirements

- **ETRDL users**
 - information seekers
 - information providers
 - information administrators (librarians)



User Requirements (cont.)

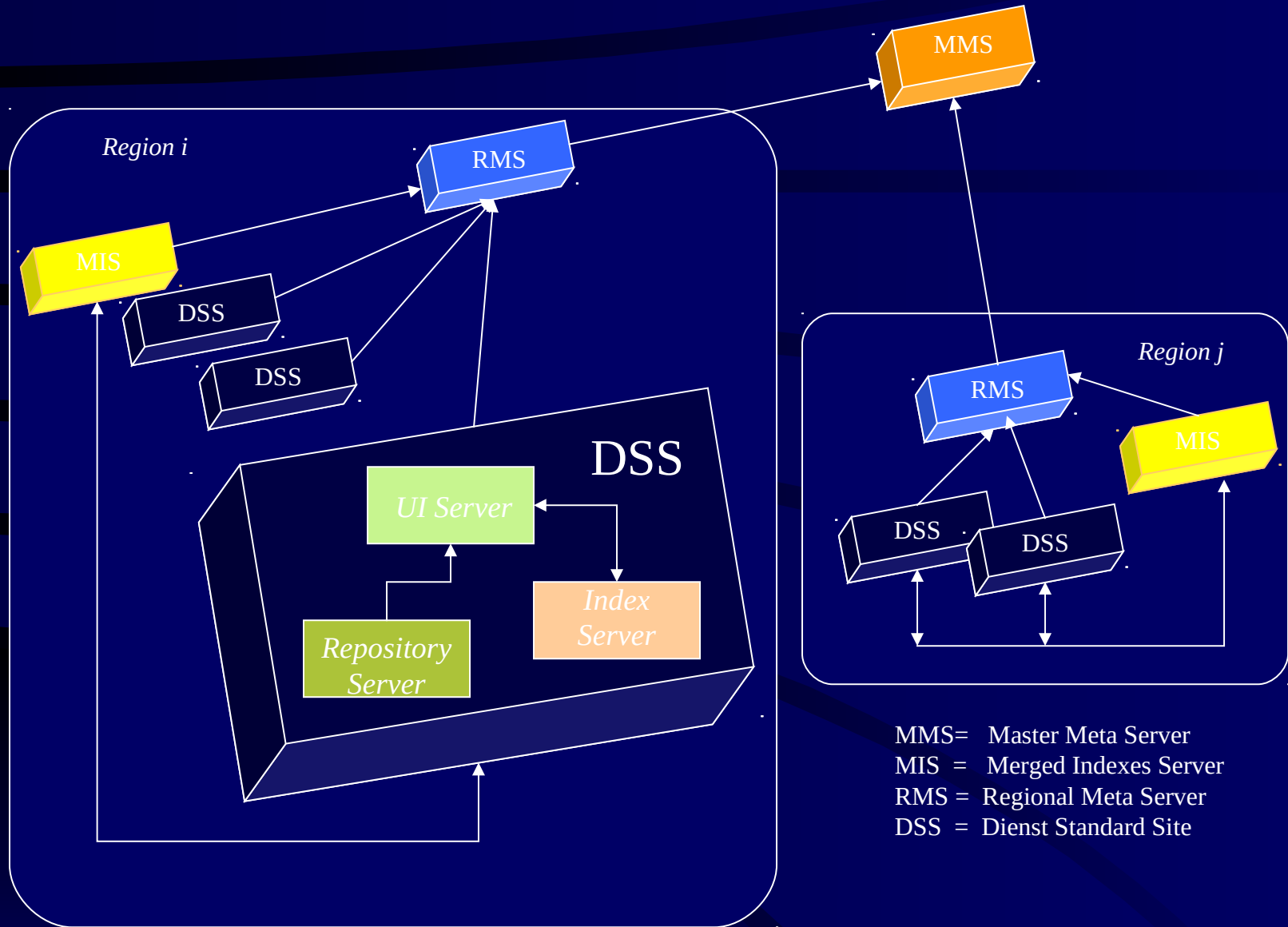
- ETRDL must provide a *library service*
 - Access
 - Selection
 - Acquisition
 - Bibliographic description
 - Cataloguing
 - Dissemination
 -
- ETRDL must permit *localization*
 - language
 - administration procedures
 -

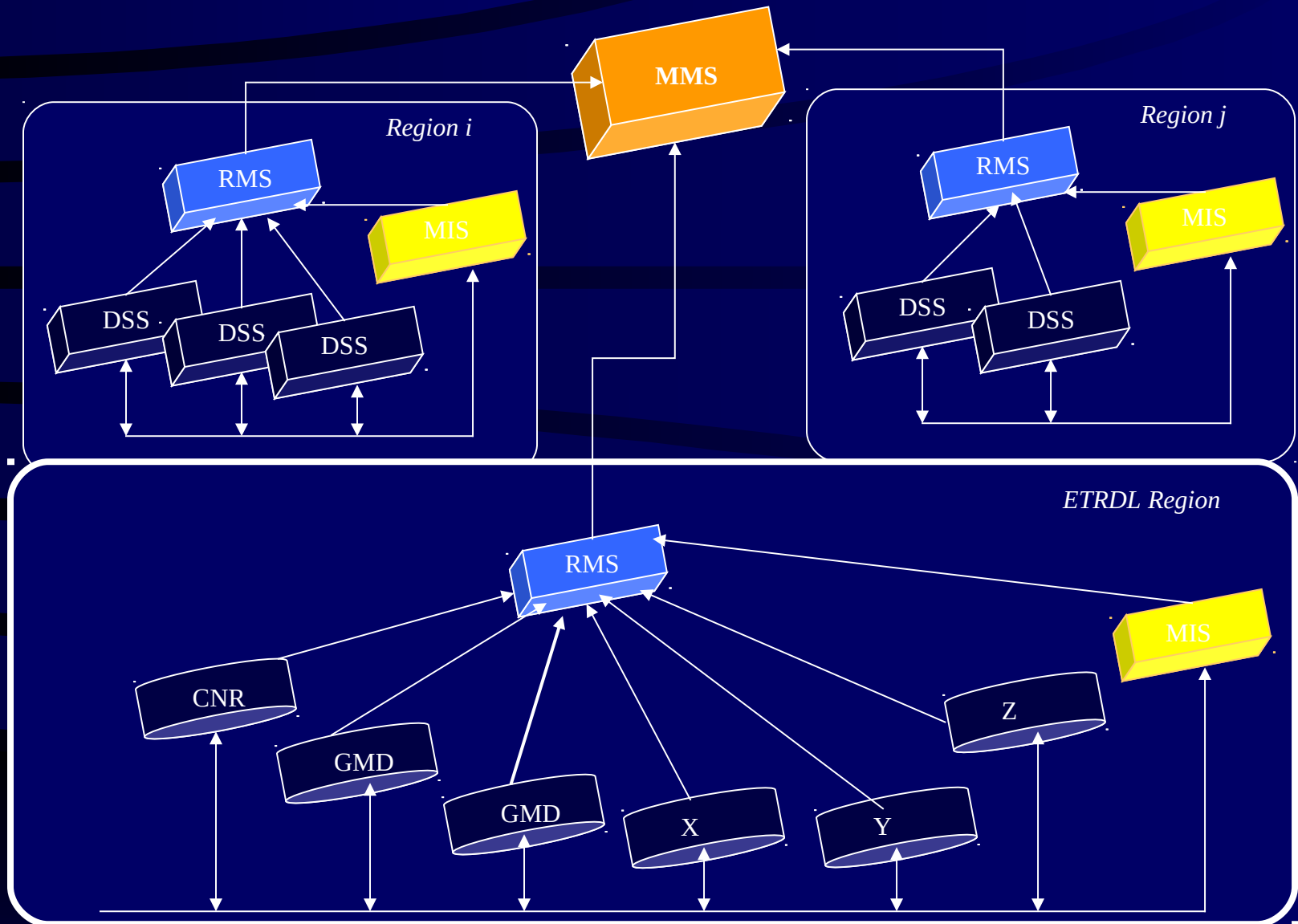
NCSTRL and ETRDL

Additional functionality

- Multilingual information access
 - user interface localization
 - different character set manipulation
 - cross language search
- Querying
 - search by subject, selection by date, language, type
 - boolean structures
- Services
 - submission, withdraw
 - administration

Dienst





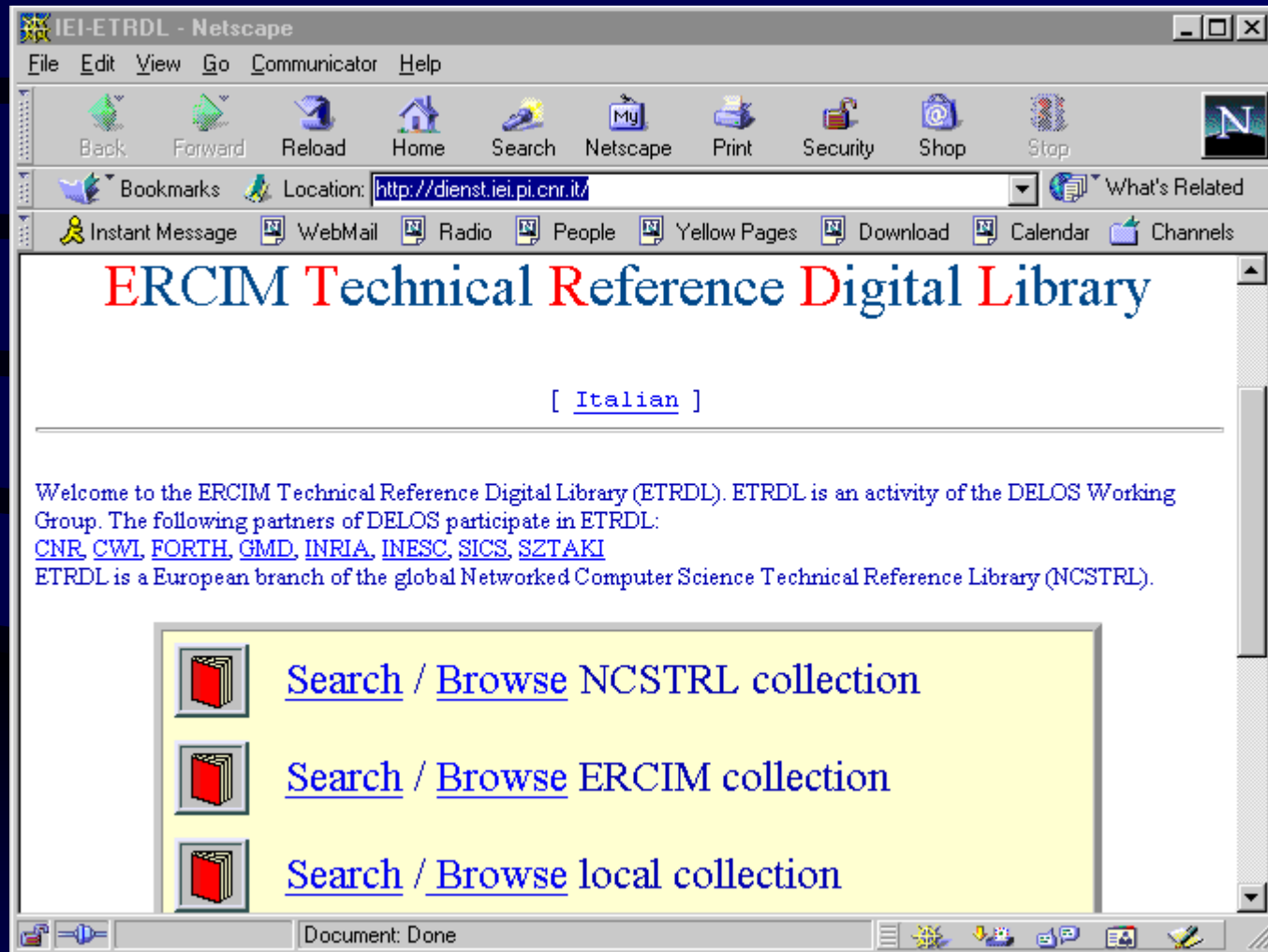
NCSTRL

ETRDL

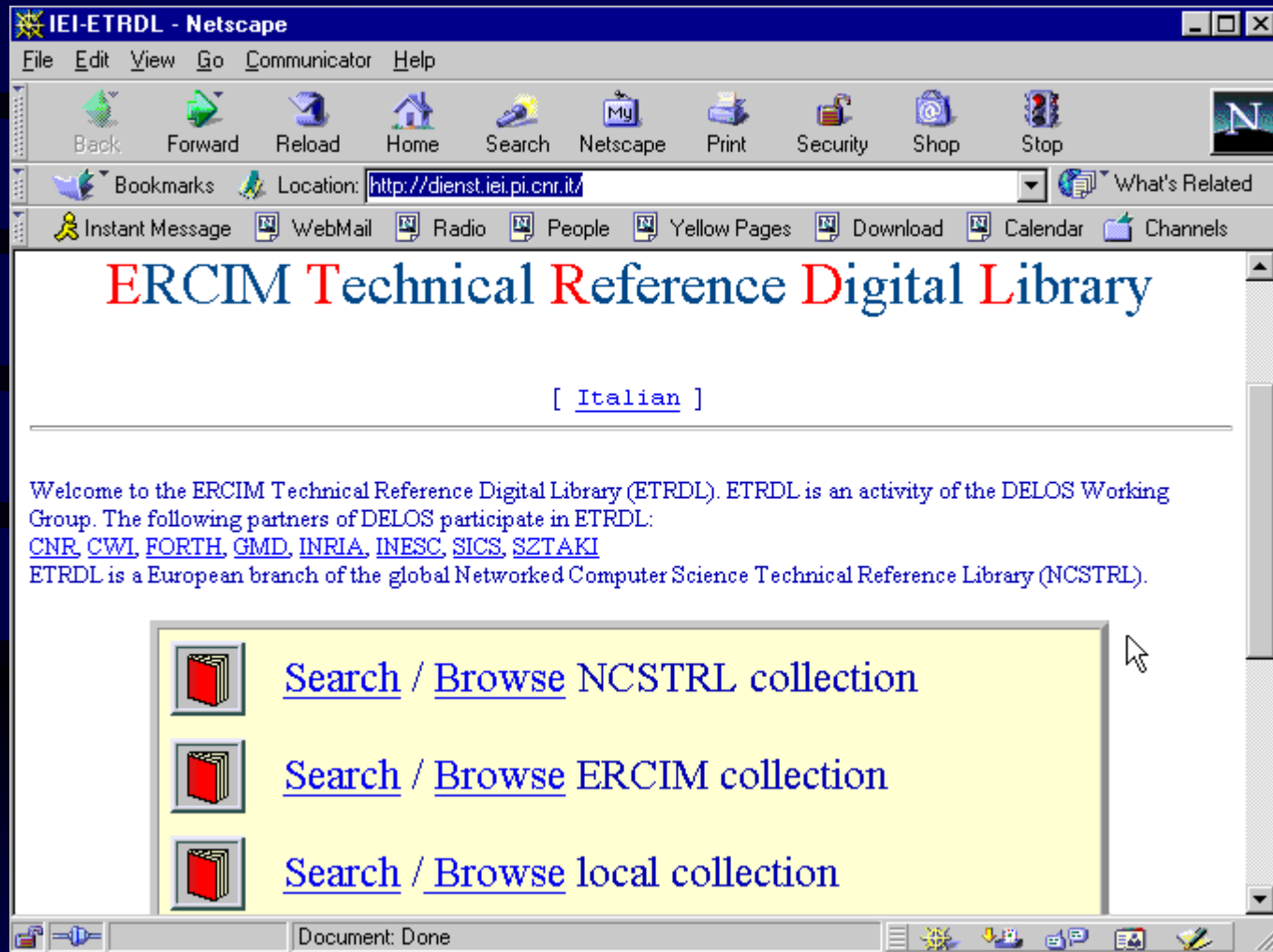
ETRDL current state

- CNR (16 institutions)
- GMD
- FORTH (Greece)
- INRIA(France)
- SICS(Sweden)
- SZTAKI(Hungary)
- FIMU - University of Masaryk (Czech Republic)
- other CNR institutions

ETRDL access points



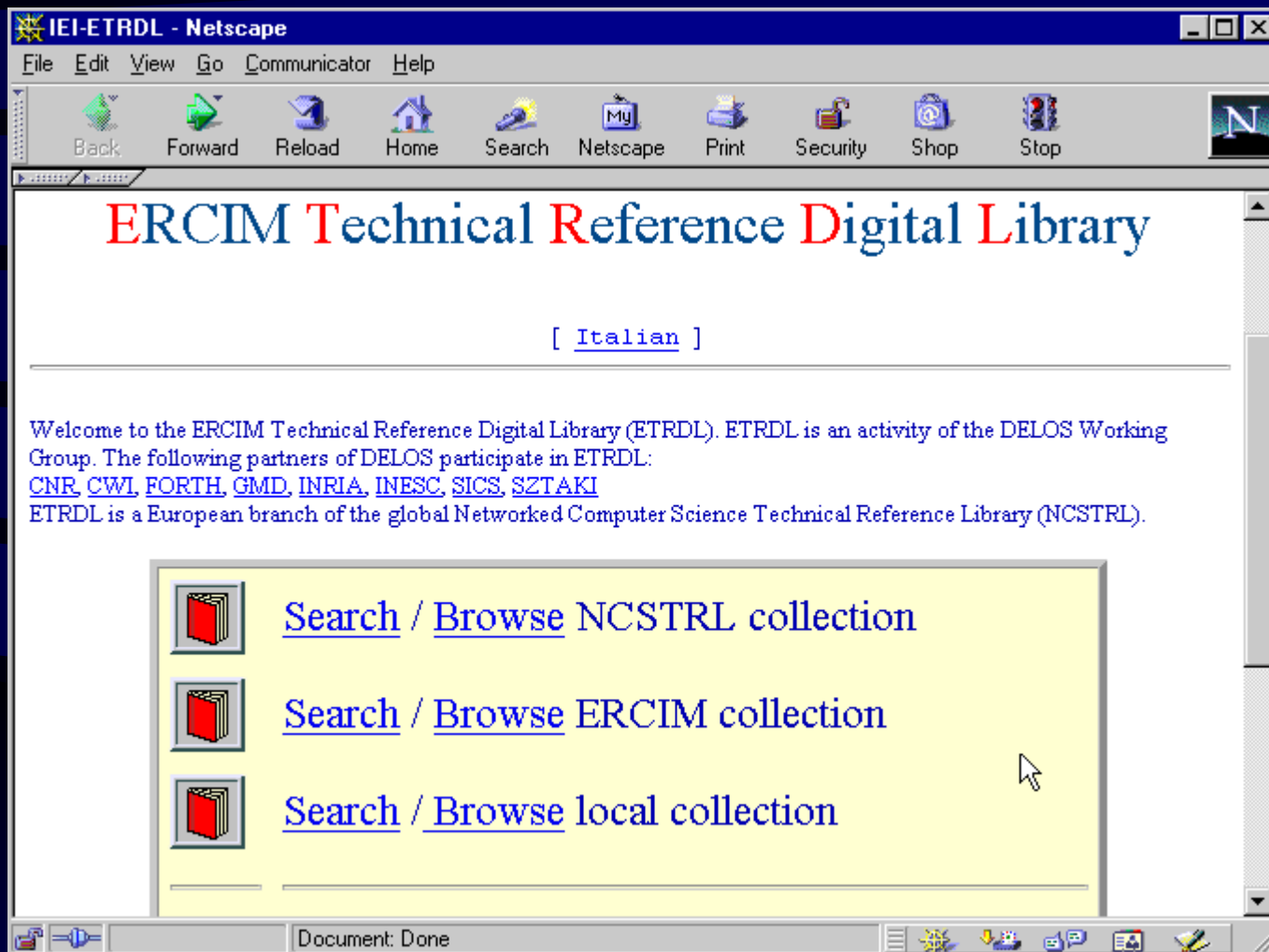
ETRDL browse session



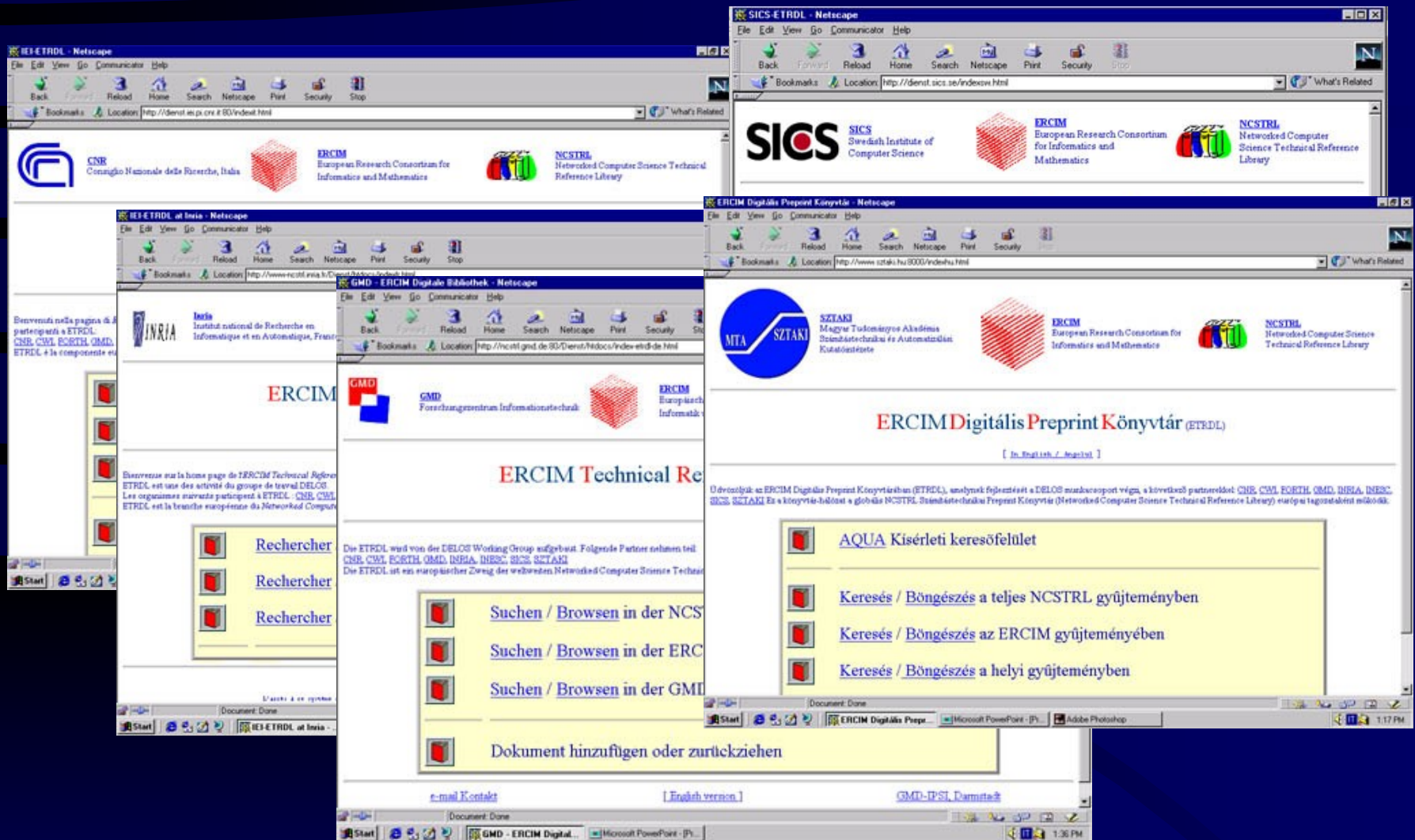
ETRDL search

- **Simple search**
 - full text
- **Fielded search**
 - author, title, abstract, local abstract, subject
+ selectors: document type, year, language
- **Direct Search**
 - by document identifier

Fielded search session



Multilingual information access



ETRDl submit session

The screenshot shows a Netscape browser window titled "Submission Form - Netscape". The address bar displays the URL: `http://dienst.iei/AUIscripts/submit/new_upload.pl?langver=`. The page header reads "ERCIM Technical Reference Digital Library". The main heading is "Document Submission Form" in large red letters. Below this, instructions state: "To submit your *document* to the *Dienst* server via HTTP, please fill in the following form. If you need help for any field, please click [here](#). All fields are mandatory, except for the telephone number."

The form section is titled "Bibliographic record" and contains three input fields:

<u>Title:</u>	Linear algebra problems with APL2
<u>Author(s):</u>	Beltrame, Renzo L.
<u>e-mail:</u>	Renzo.Beltrame@iei.it

The status bar at the bottom indicates "Document: Done".

ETRDL submit session

Submission Form - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

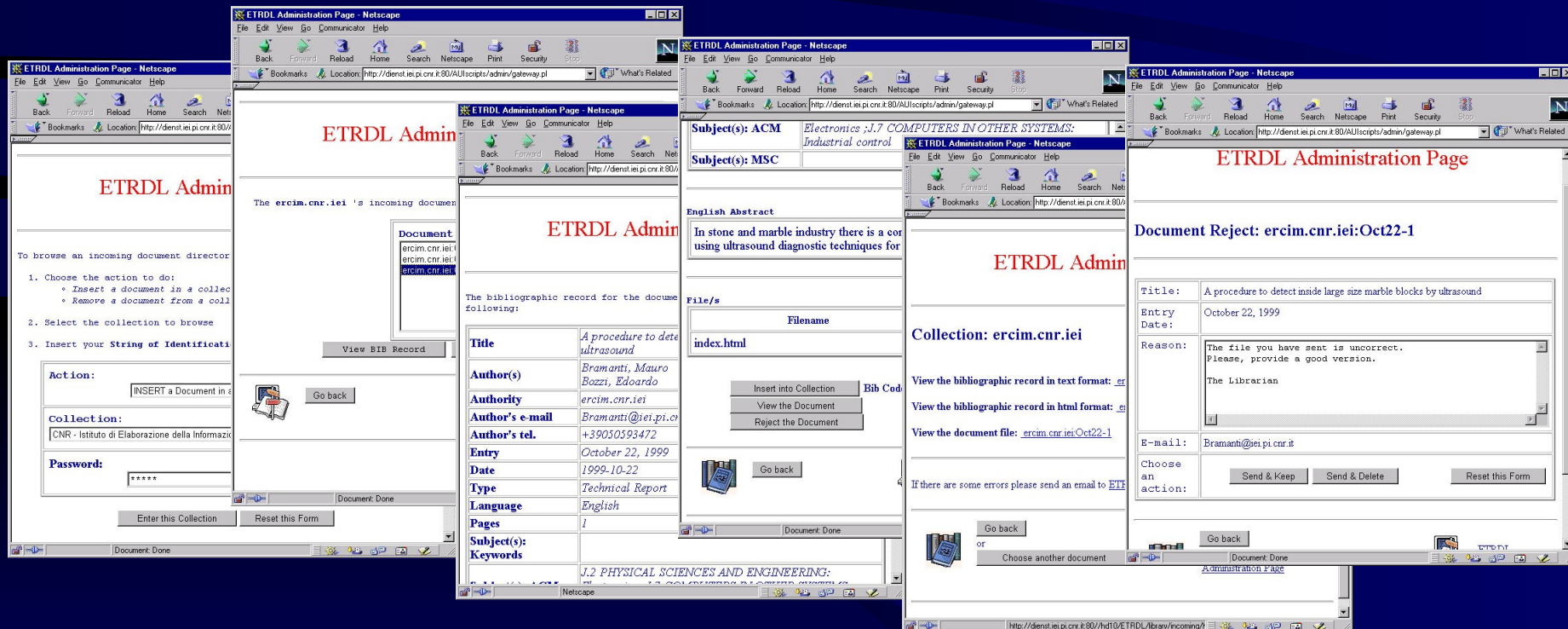
Bookmarks Location: http://dienst.iei/AUIscripts/submit/new_upload.pl?langver= What's Related

Submission contact	<u>e-mail:</u> Renzo.Beltrame@cnuce.cnr.it <u>Tel.:</u> +39 050 593 288
Subject(s):	<u>Free Keywords :</u> Computing Classification System (ACM) C.4 PERFORMANCE OF SYSTEMS: Measurement techniques Mathematics Subject Classification (MSC)
Publisher:	>>> Click and choose your Collection <<<
	<u>English:</u> We present a performance comparison of three IBM systems, main-frame, SP1, and SP2. Some data are added, which refer to enhanced nodes of SP2, and to two different nodes type and configuration. We choose for the comparison three linear

Document: Done

Administration

Partners are responsible for implementing their own administrative procedures.
Here below we show the default system interface.



Follow-up

- DELOS Network of Excellence

- Digital Library Test Suite

- *SCHOLNET*

A Digital Library Testbed to support
Networked Scholarly Communities

- Definition of a generic open infrastructure which can be used as a medium for sharing research results among the colleagues in a field
 - Extension of the ETRDL set of services to build higher levels of functionality

ETRDL bibliography

- The ERCIM Technical Reference Digital Library
by S. Biagioni, J. Borbinha, R. Ferber, P. Hansen, S. Kapidakis, L. Kovacs, F. Roos, A.M. Vercoustre, -
In: Research and Advanced Technology for Digital Libraries. Lecture Notes in Computer Science (Vol. 1513)
- Implementing the Common User Interface for a Digital Library: The ETRDL experience.
by M. B. Baldacci, S. Biagioni, C. Carlesi, D. Castelli and C. Peters
Proceedings of Eight DELOS Workshop: User Interfaces in Digital Libraries. DELOS Working Group Report No.99/W001, (1998)
(<http://www.ercim.org/publicationws-proceedings/DELOS8/freire.html>)
- Supporting retrieval by “relation among documents” in the ERCIM Technical Reference Digital Library
by S. Biagioni, C. Carlesi and D. Castelli - In : Metadata for Web Databases. ERCIM Workshop reports. S. Augustin, Germany, 1998. 67-73.

ETRDL bibliography

- The ERCIM Technical Reference Digital Library goes On-line

by A. Andreoni, C. Carlesi and P. Pagano - ERCIM News No.37 - April 1999
(http://www.ercim.org/publication/Ercim_News/enw37/andreoni.html)

- AQUA: Query Visualization for the NCSTRL Digital Library

by L. Kovács, A. Micsik, B. Pataki - In: Digital Libraries 99 : The Fourth ACM Conference on Digital Libraries, Berkeley, August 11-14, 1999. Edward A. Fox and Neil Rowe (ed.)

- Developing a European Technical Reference Digital Library

by A. Andreoni, M. B. Baldacci, S. Biagioni, C. Carlesi, D. Castelli, P. Pagano and C. Peters - In: Research and Advanced Technology for Digital Libraries: third European Conference ; proceedings / ECDL'99, Paris, France, September 22-24, 1999. Serge Abiteboul Anne-Marie Vercoustre (ed.). (Lecture notes in computer science ; Vol. 1696) (link.springer.de/link/service/series/0558/tocs/t1696.htm)

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- The ERCIM Technical reference Digital Library:
Meeting the Requirements of a European
Community within an International Federation

by A. Andreoni, M. B. Baldacci, S. Biagioni, C. Carlesi, D. Castelli, P. Pagano, C. Perter, S. Pisani,
D-Lib Magazine December 1999, Volume 5 Number 12
(<http://www.dlib.org/dlib/december99/peters/12peters.html>)