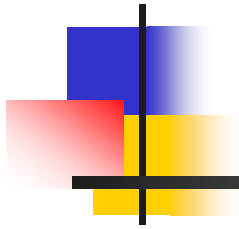


Scholar-based Innovations in Publishing



Gerry McKiernan

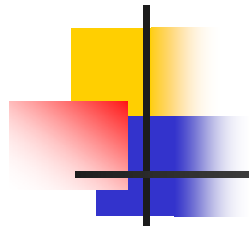
Science and Technology Librarian and Bibliographer

Iowa State University Library

Ames IA

gerrymck@iastate.edu

<http://www.public.iastate.edu/~gerrymck/ScholarBased.ppt>



ALCTS

Scholarly Communication Discussion Group

American Library Association
Annual Meeting, Toronto

June 23, 2003

9:30 AM – 11:00 AM

Metro Toronto Convention Center



THANK YOU!

- Taemin K. Park, Ph.D. (Indiana University Libraries, Bloomington)
- Michelle Sitko (Marywood University Library)
- Anne McKee (Greater Western Alliance)
- Carolyn K. Coates (Eastern Connecticut University Library)
- Ann S. Doyle (University of Kentucky Libraries)



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DISCLAIMER

The views and opinions expressed in this presentation are those of the presenter and do not constitute an endorsement by Iowa State University or its Library.

<QUOTE#1>

"Life is what happens to you while you're busy making other plans."

Attributable to
John Lennon



© Richard Avedon



<QUOTE#2>



"You say you want a revolution
Well, you know
We all want to change the world
You tell me that it's evolution
Well, you know
We all want to change the world."



<QUOTE#3>



"You say you've got a real solution
Well, you know
We'd all love to see the plan
You ask me for a contribution
Well, you know
We are doing what we can."



<QUOTE#4>



"You say you'll change the constitution
Well, you know
We all want to change your head
You tell me it's the institution
Well, you know
You'd better free your mind instead."

John Lennon (1940-1980)

"Revolution #1"

Hey Jude/ Revolution (August 1968)



Scholarly Publishing

- Revolution
- Evolution
- Solution
- Contribution
- Constitution
- Institution
- **EXCITATION**

THE BEACH BOYS

GOOD EXCITATIONS





"APPROPRIATE EXCITATION"

"I believe that the collective behavior and information exchange pattern of any community depend on their culture, their shared values and their past and current practices. These things are very difficult to change, but given the *appropriate excitation* (emphasis added) they can change very fast."

Imre Simon

Re: Discipline Differences in Benefits/Feasibility of Open Access?", Posting to *September 1998 American Scientist Forum* electronic discussion list, November 24, 2002, 17:20, available at: <http://www.ecs.soton.ac.uk/~harnad/Hypermail/Amsci/2399.html> (accessed 7 June 2003).



EXCITATIONS

ArXiv.org	CogPrints	RePEc
eScholarship Repository	Glasgow ePrints Service	Knowledge Bank (OSU)
DSpace™	E-Print Repository (ANU)	Scholarly Publishing Office (Michigan)
ELSSS	SPARC	The Stoa Consortium
BioMed Central	GNU EPrints Software	Public Library of Science
DARE	FAIR	SciELO

EXCITATION #1



<http://xxx.arXiv.cornell.edu>



arXiv.org: e-Print Archive (1)

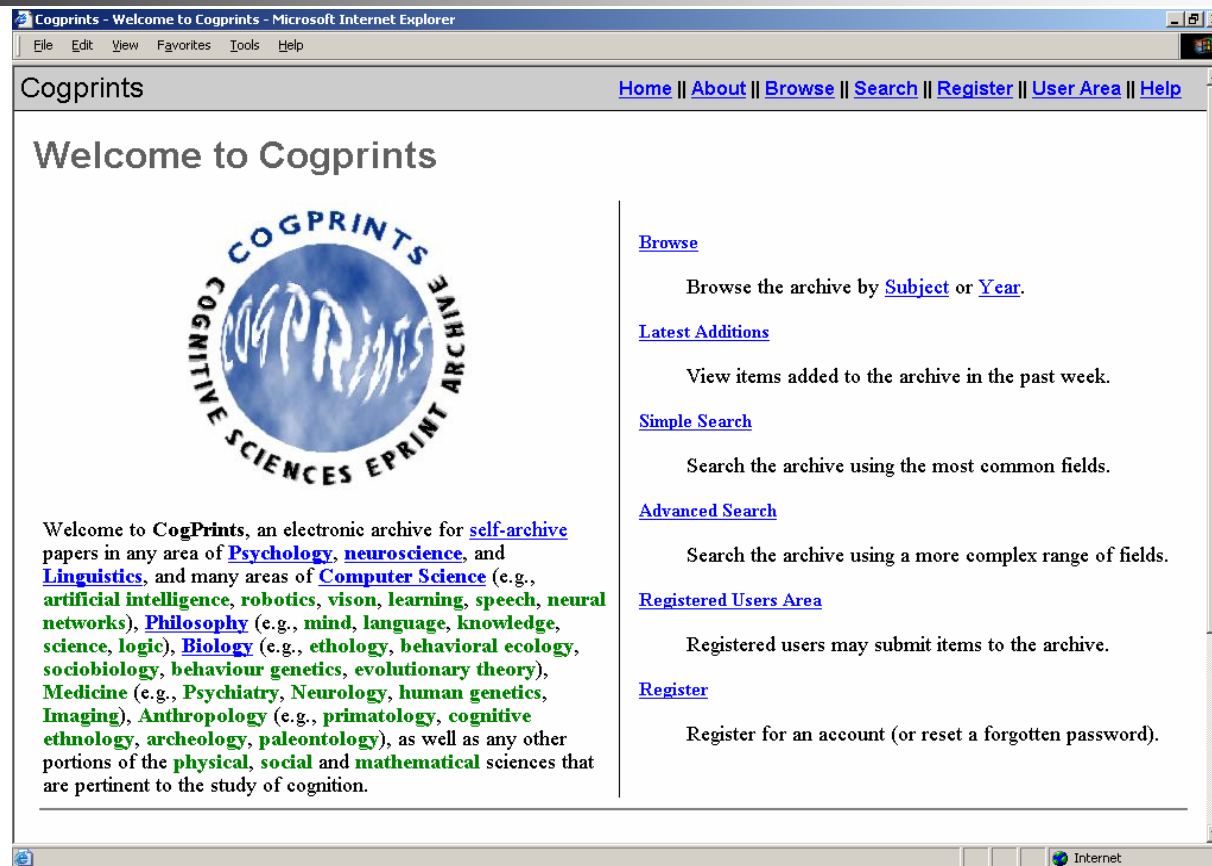
- Established in August 1991 by Paul Ginsparg, Los Alamos National Laboratory (now at Cornell)
- Originally for High-Energy Physics community; now Physics, Mathematics, Non-linear Sciences, Computer Science
- Automated the process by which authors could submit electronic preprints (or postprints)
- Allowed researchers and others to directly search and retrieve the full-text of documents



arXiv.org: e-Print Archive (2)

- 220,000 submissions (December 31, 2002);
- 3 million accesses / month
- *arXiv.org* e-print service has also served as
'... a model of rapid, direct and relatively cheap interaction in which researchers participate as producers, distributors and users of information'
- Now owned and operated by Cornell University, and funded by Cornell and the National Science Foundation (NSF)

EXCITATION #2

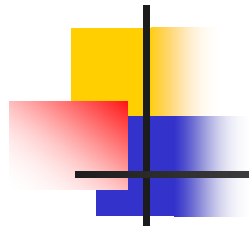


<http://cogprints.ecs.soton.ac.uk/>



CogPrints: Cognitive Sciences EPrint Archive (1)

- Launched in August 1997 by Stevan Harnad, Professor of Cognitive Science, Department of Electronics and Computer Science, University of Southampton (UK)
- Psychology, Neuroscience, Linguistics, and many areas of Computer Science
- Presently implemented using *GNU EPrints 2* archive-creating software (software.eprints.org)



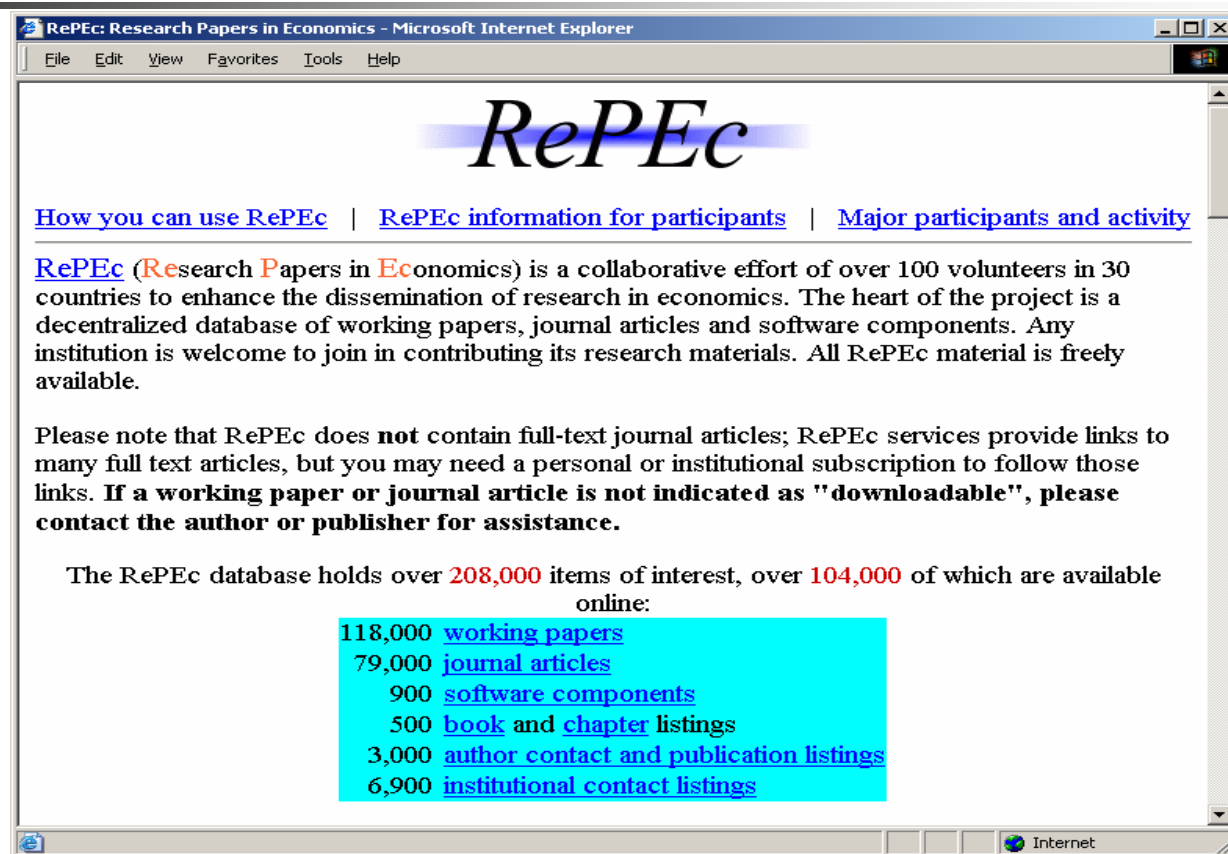
CogPrints: Cognitive Sciences EPrint Archive (2)

- Stevan Harnad: a vocal advocate of author self-archiving and institutional repositories:

For Whom the Gate Tolls? How and Why to Free the Refereed Research Literature Now, Through Online Self-Archiving

<http://eprints.ecs.soton.ac.uk/archive/00005944/>

EXCITATION #3



<http://repec.org>

RePEc:

Research Papers in Economics (1)

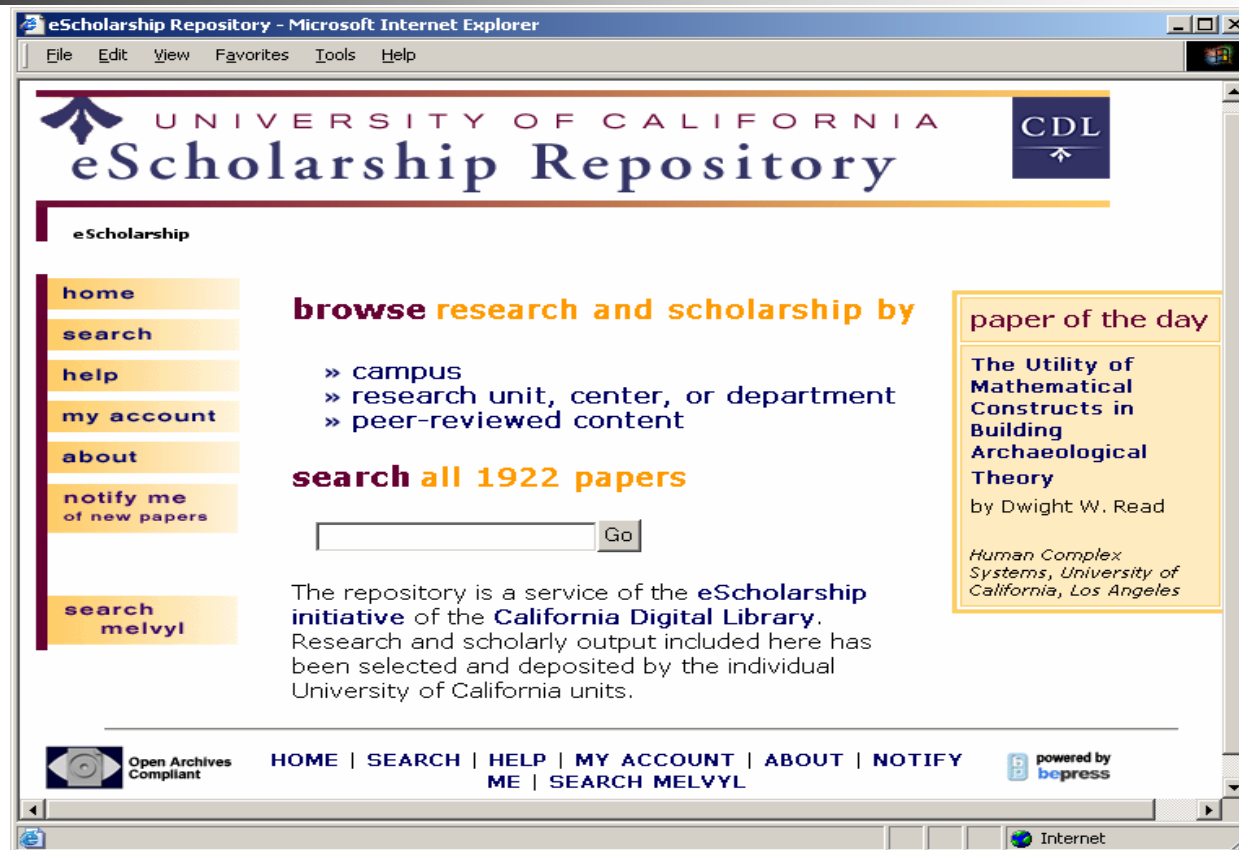
- *RePEc* is 'a collaborative effort of over 100 volunteers in 30 countries to enhance the dissemination of research in economics'; originated by Thomas Krichel, now Palmer School of Library and Information Science
- At the core of *RePEc* is a decentralized database of working papers, journal articles, and software components

RePEc:

Research Papers in Economics (2)

- *RePEc* provides access to one of the largest sources of freely-downloadable e-prints in the world
- As of mid-June 2003, *RePEc* contained records for more 208,000 items of interest, with more than half of these (104,000) available as full text
- Currently more than 118,000 working papers, 79,000 journal articles, 900 software components, and 3,000 author and 6,900 institutional contact listings

EXCITATION #4



<http://repositories.cdlib.org/escholarship/>



eScholarship Repository (1)

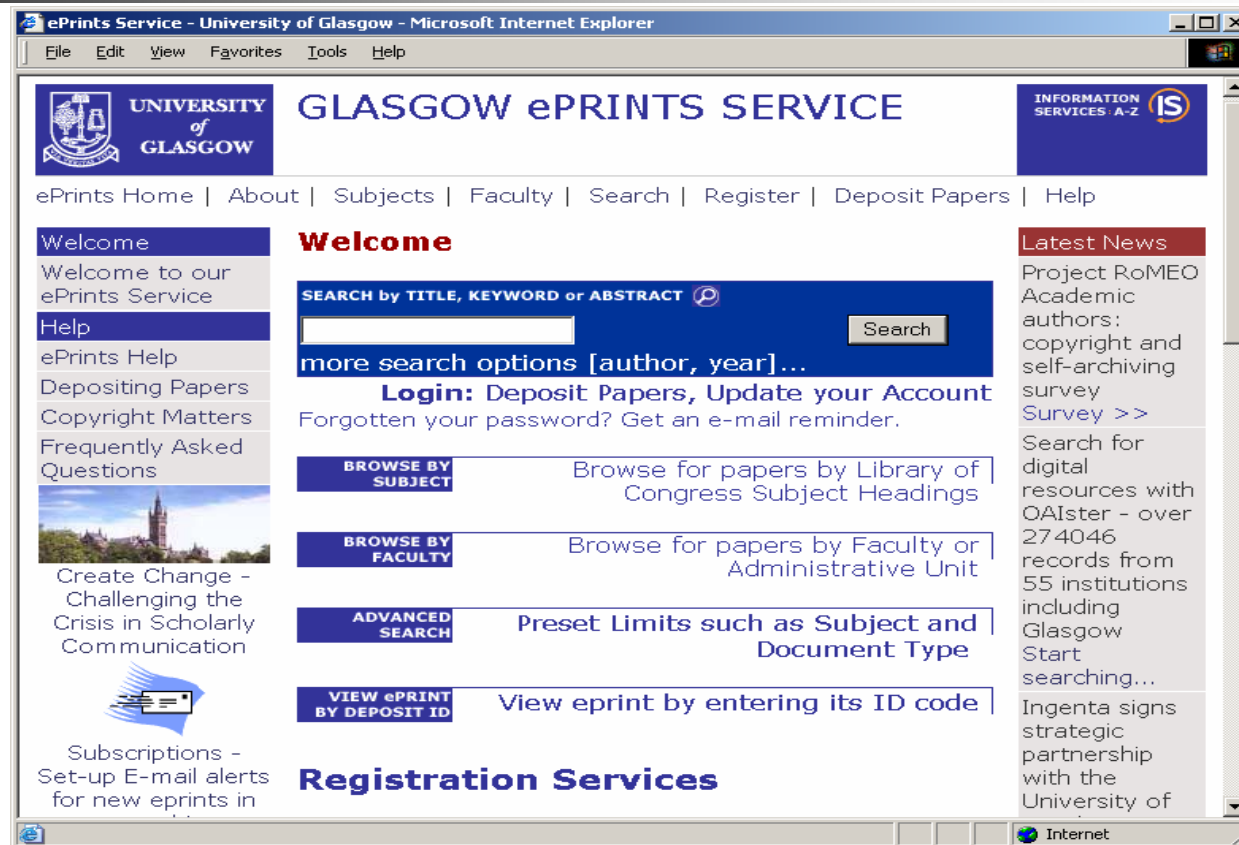
- Inaugurated in April 2002, the *eScholarship Repository* provides a central location for University of California faculty to deposit electronic versions of working papers, pre-publications, and research reports
- Sponsored by the California Digital Library (CDL) (www.cdlib.org) - a 'co-library of the campuses of the University of California' - the repository offers persistent access and facilitates discovery of UC faculty scholarship



eScholarship Repository (2)

- *eScholarship Repository* offers university units, centers, and departments:
 - an alternative to commercial ventures or self-publishing
 - free access to advanced electronic publication technology
 - software that facilitates expeditious and efficient publication
 - ability to upload associated content, e. g., images, spreadsheets, Microsoft PowerPoint presentations, etc.
 - world-wide accessibility to scholarship via the Open Archives Initiative (OAI)
 - increased visibility of individual and organizational research and programs
 - e-mail alerting service for new content

EXCITATION #5



<http://eprints.lib.gla.ac.uk/>



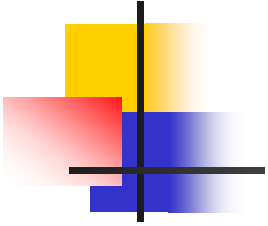
Glasgow ePrints Service (1)

- The *Glasgow ePrints Service* is 'an experimental Open Archives (www.openarchives.org) service established to provide access to the full text of the research output of scholars, scientists, and researchers affiliated with the University of Glasgow, and intended to complement current conventional publication routes and services'
- It is expected that participation in the ePrints service will make university faculty scholarship more 'visible, accessible and usable through a global network of interlinked Open Archive services'



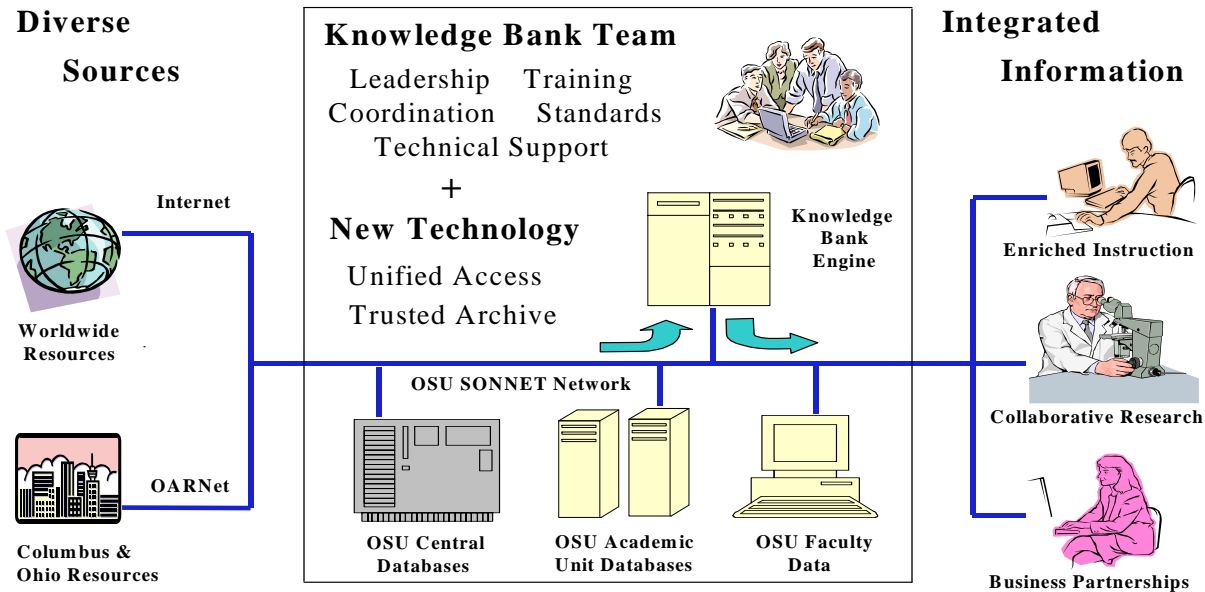
Glasgow ePrints Service (2)

- A wide variety of document types can be submitted, and include:
 - conference papers
 - gray literature
 - preprints
 - project reports
 - published papers
 - technical reports
 - theses
- Browse by classes and subclasses of the [Library of Congress Classification \(LCC\) Outline](#)



EXCITATION #6

The OSU Knowledge Bank



http://www.lib.ohio-state.edu/Lib_Info/scholarcom/KBproposal.html



Ohio State University Knowledge Bank (1)

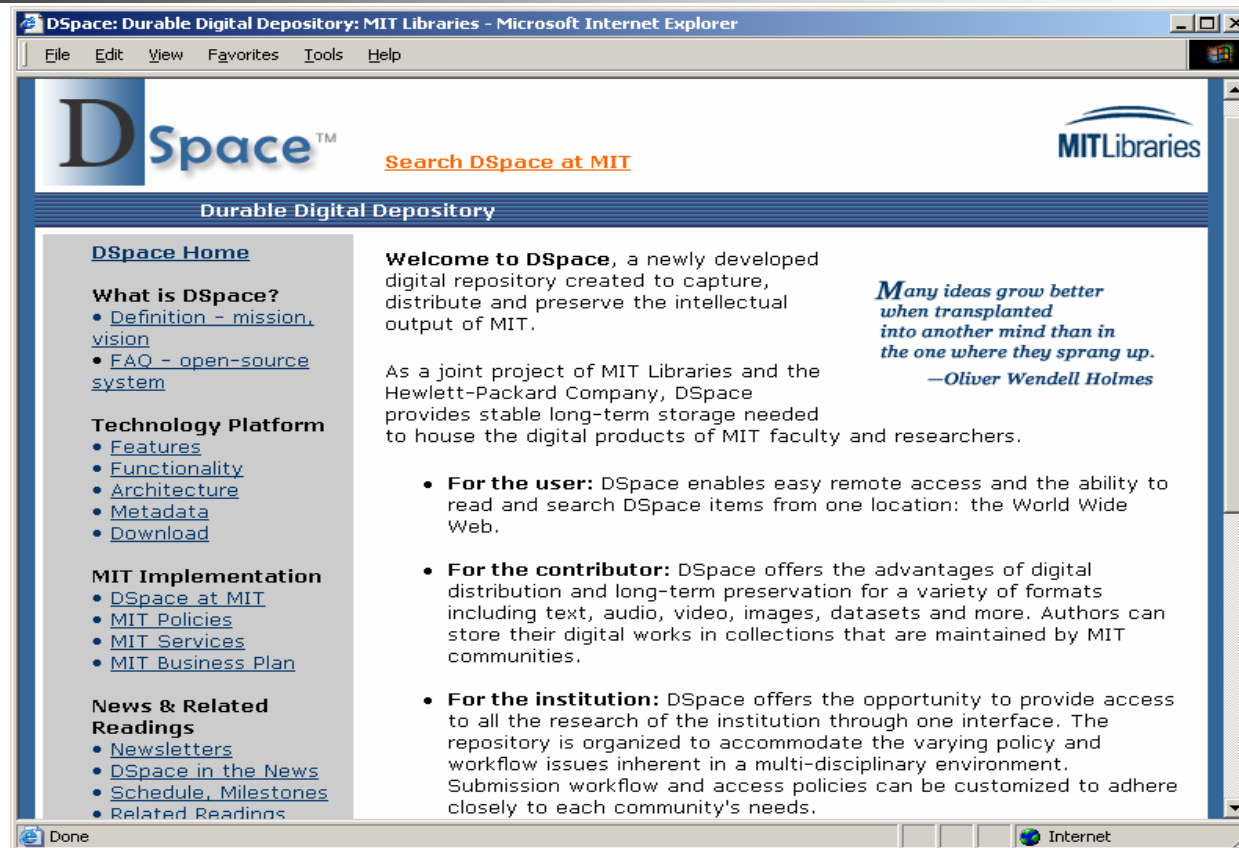
- The concept of the *Knowledge Bank* (or Research Bank) was first articulated in 2001 during deliberations of the Ohio State University (OSU) Distance Learning/Continuing Education Committee upon realization that 'the generation, collection, indexing, and preservation of intellectual content ... might benefit from the application of new digital technology and more focused organization'



Ohio State University Knowledge Bank (2)

- The Knowledge Bank is envisioned as both a *referatory* and a *repository*
- The former is viewed as a gateway to digital objects produced by OSU faculty, staff, and students, while the latter is envisioned as an electronic archive for the digital content created at the university that facilitates long-term 'use, dissemination, and preservation'

EXCITATION #7



<http://dspace.org>



DSpace™ (1)

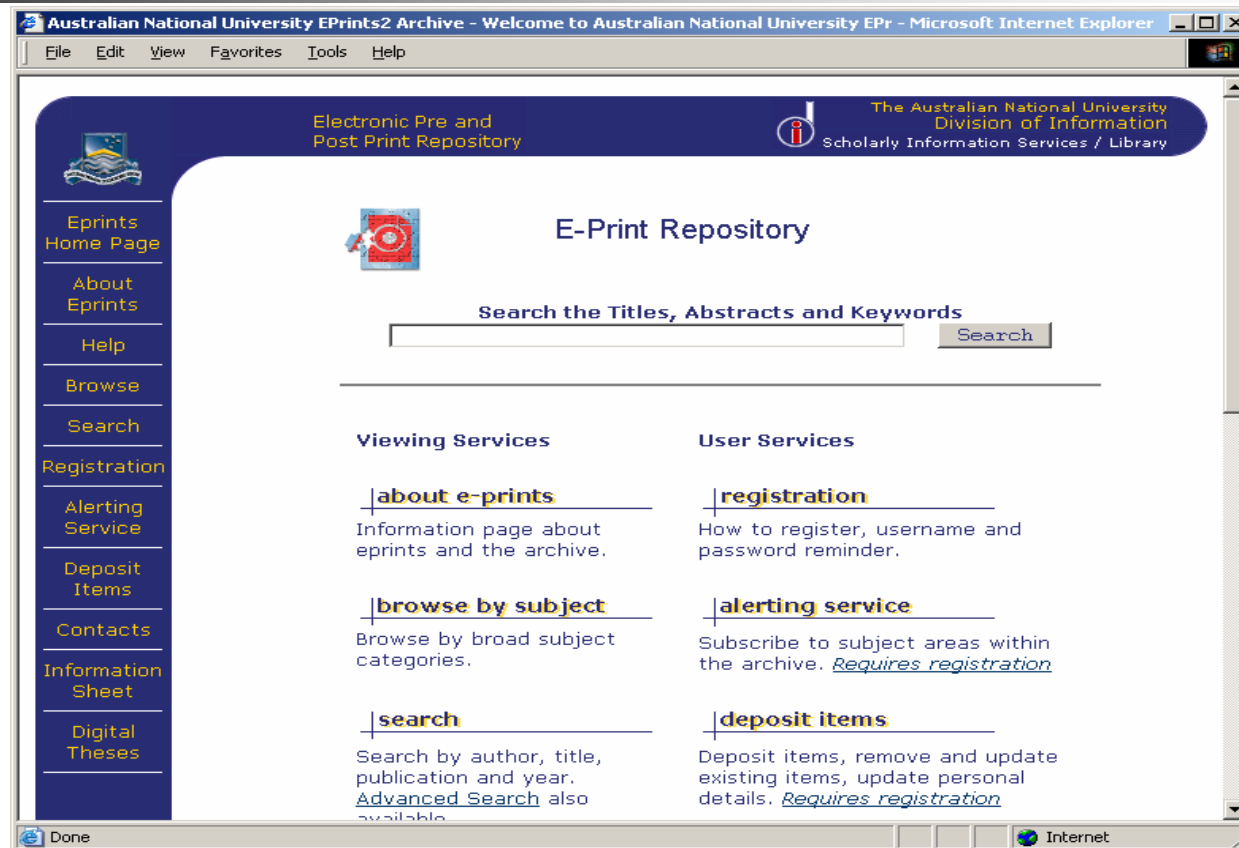
- *DSpace*™ is a 'newly-developed digital repository [originally] created to capture, distribute and preserve the intellectual output of faculty and staff of the Massachusetts Institute of Technology (MIT).'
- *DSpace*™ is organized to accommodate the multidisciplinary and organizational needs of a large institution and can provide access to the digital intellectual assets of an entire institution



DSpace™ (2)

- *DSpace*™ not only accepts text submissions, but images, audio, and video as well
- Among the types of resources it can accommodate are: articles, preprints, working papers, technical reports, conference papers, as well as books, theses, data sets, computer programs, and visual simulations and models
- *DSpace*™ software is freely-available
<http://sourceforge.net/projects/dspace/>

EXCITATION #8



<http://eprints.anu.edu.au/>



Australian National University E-Print Repository (1)

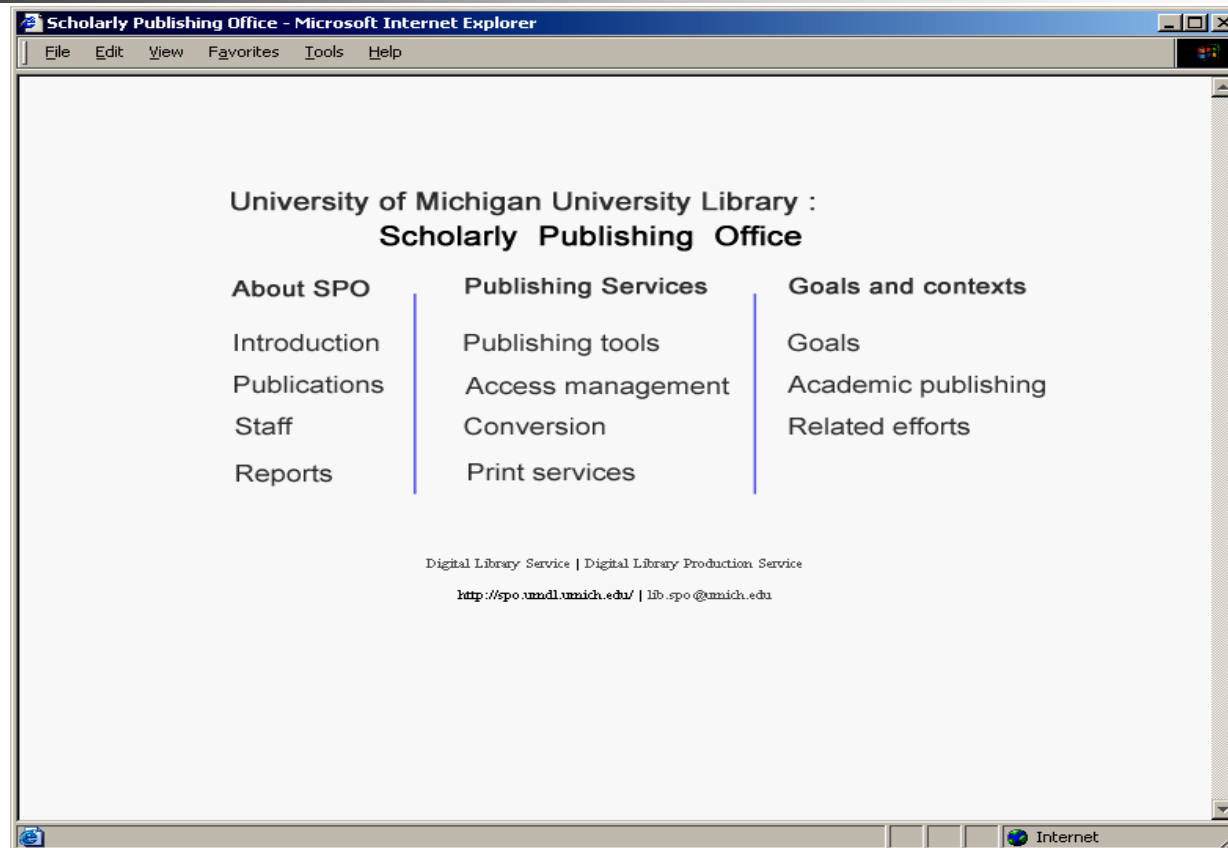
- The *E-Print Repository* was established in September 2001 by the Scholarly Information Services unit of the Australian National University (ANU), under the direction of then University Librarian Colin Steele
- The intent of this project is to provide ANU with 'an electronic archive of research literature [as well as] a framework ... [that] will ultimately allow for the retention and distribution of research literature outside the multi-national publishers'



Australian National University E-Print Repository (2)

- The *E-Print Repository* is part of a broader national initiative undertaken by the Standing Committee on Information Policy (SCIP) of the Australian Vice-Chancellors Committee (AVCC). This initiative aimed to:
 - improve economics in scholarly communications
 - improve accessibility to the work of Australian scholars
 - enhance access and contribution to internationally linked scholarship
 - increase awareness of Australian research
 - create an archive of the publications produced at individual institutions

EXCITATION #9



<http://spo.umdl.umich.edu/>



University of Michigan University Library Scholarly Publishing Office (1)

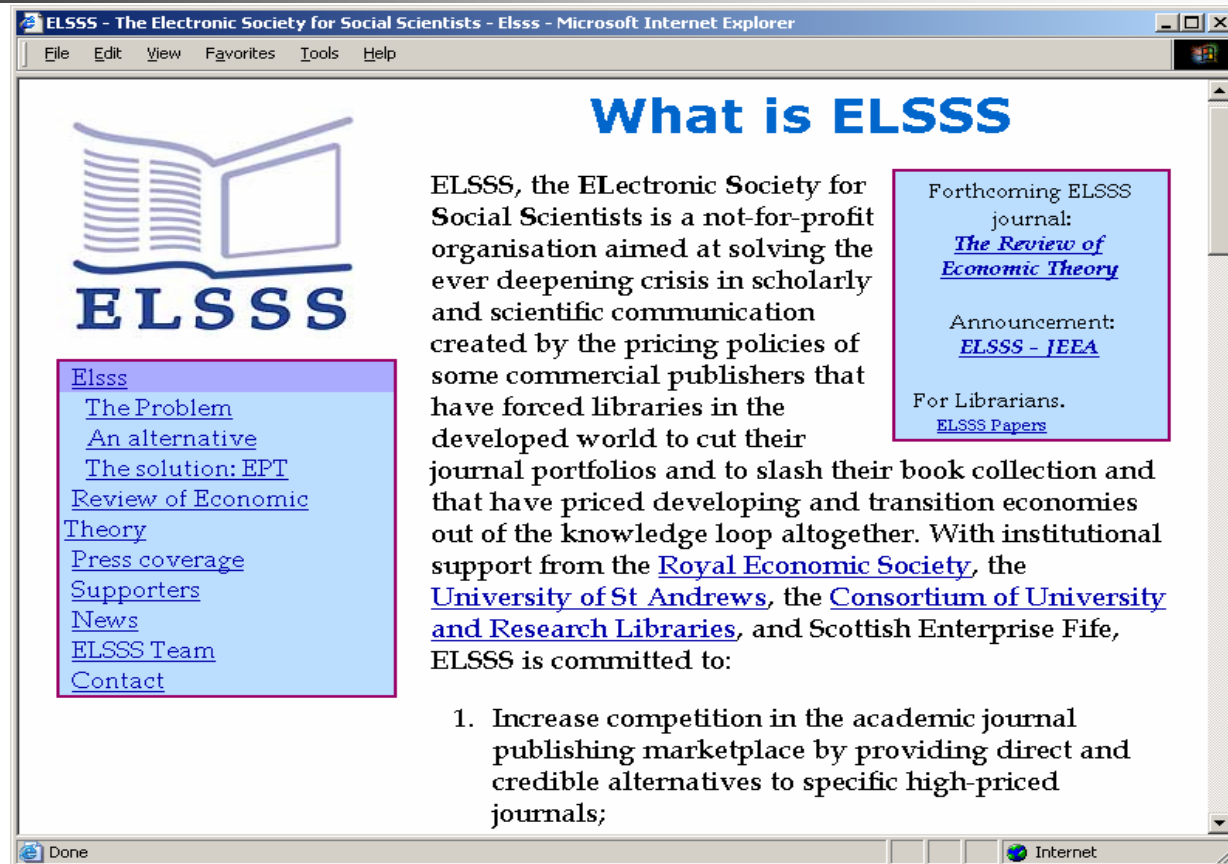
- The *Scholarly Publishing Office* (SPO) is a unit of the University of Michigan Library responsible for developing and providing tools and methods for the electronic publication and distribution of scholarly content
- This unit supports 'the traditional constructs of journal and monographic publication in an online environment, as well as publishing scholarly work expressly designed for electronic delivery'



University of Michigan University Library Scholarly Publishing Office (2)

- Overall, the *Scholarly Publishing Office* exists 'to develop services that are responsive to the needs of both producers and users, to foster a better economic model for campus publishing, to support local control of intellectual assets, and to create highly functional scholarly resources'

EXCITATION #10



<http://www.elsss.org.uk/>



ELSSS:

ELectronic Society for Social Scientists (1)

- *ELSSS* was launched in November 2000 as 'an innovative solution' to the 'serials crisis' – the rapid and substantial increase in journal subscription prices that far exceed the level of institutional library support for journal subscriptions
- ELSSS is 'a not-for-profit organisation aimed at solving the ever-deepening crisis in scholarly and scientific communication created by the pricing policies of some commercial publishers'



ELSSS:

Electronic Society for Social Scientists (2)

- Specifically, 'ELSSS aims to provide head-to-head competition to named high-price commercially-produced journals in the social sciences generally, and in economics'
- To attract the highest quality submissions, ELSSS plans to offer:
 - high level quality control: only submissions that match or exceed the quality of ELSSS competition will be accepted for publication
 - significantly shorter submission-to-decision time-lag
 - wider readership and higher impact
 - an 'opportunity to interact with fellow academics in ways not offered by high-priced journals'

EXCITATION #11



<http://www.arl.org/sparc/>

SPARC:

Scholarly Publishing and Academic Resources Coalition (1)

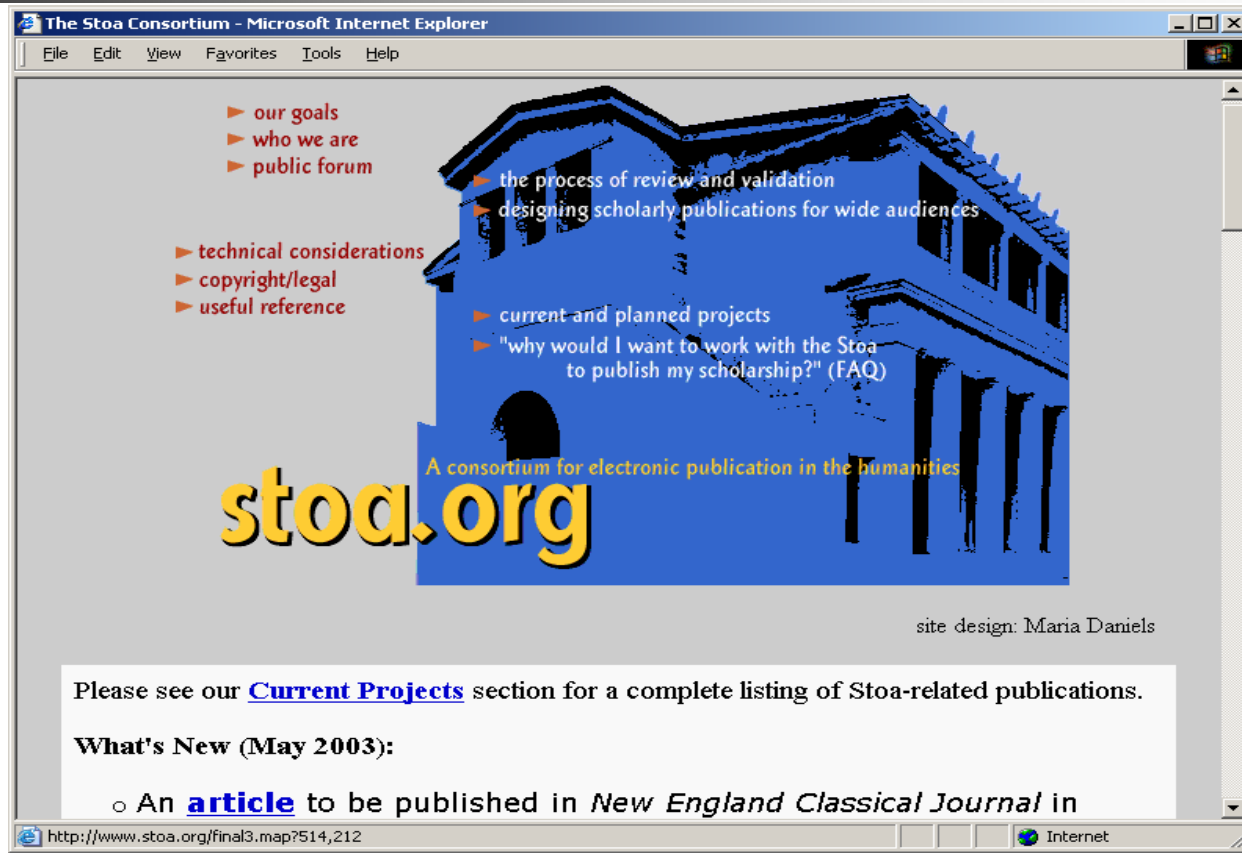
- Launched in June 1998, The *Scholarly Publishing and Academic Resources Coalition* (SPARC) is 'an alliance of universities, research libraries, and organizations' that seeks to serve 'as a catalyst for action, helping to create systems that expand information dissemination and use in a networked digital environment ... '

SPARC:

Scholarly Publishing and Academic Resources Coalition (2)

- *SPARC* has encouraged collaborations through three major initiatives: *SPARC Alternatives Program*, *SPARC Leading Edge Program*, and the *SPARC Scientific Communities Program*
- The *SPARC Leading Edge Program* 'encourages and supports projects that represent a paradigm shift in technology use, introduce an innovative business model, and/or meet the scholarly and research information needs of an emerging or fast-growing STM [scientific, technical, and medical] field'

EXCITATION #12



<http://www.stoa.org/>



The Stoa Consortium (1)

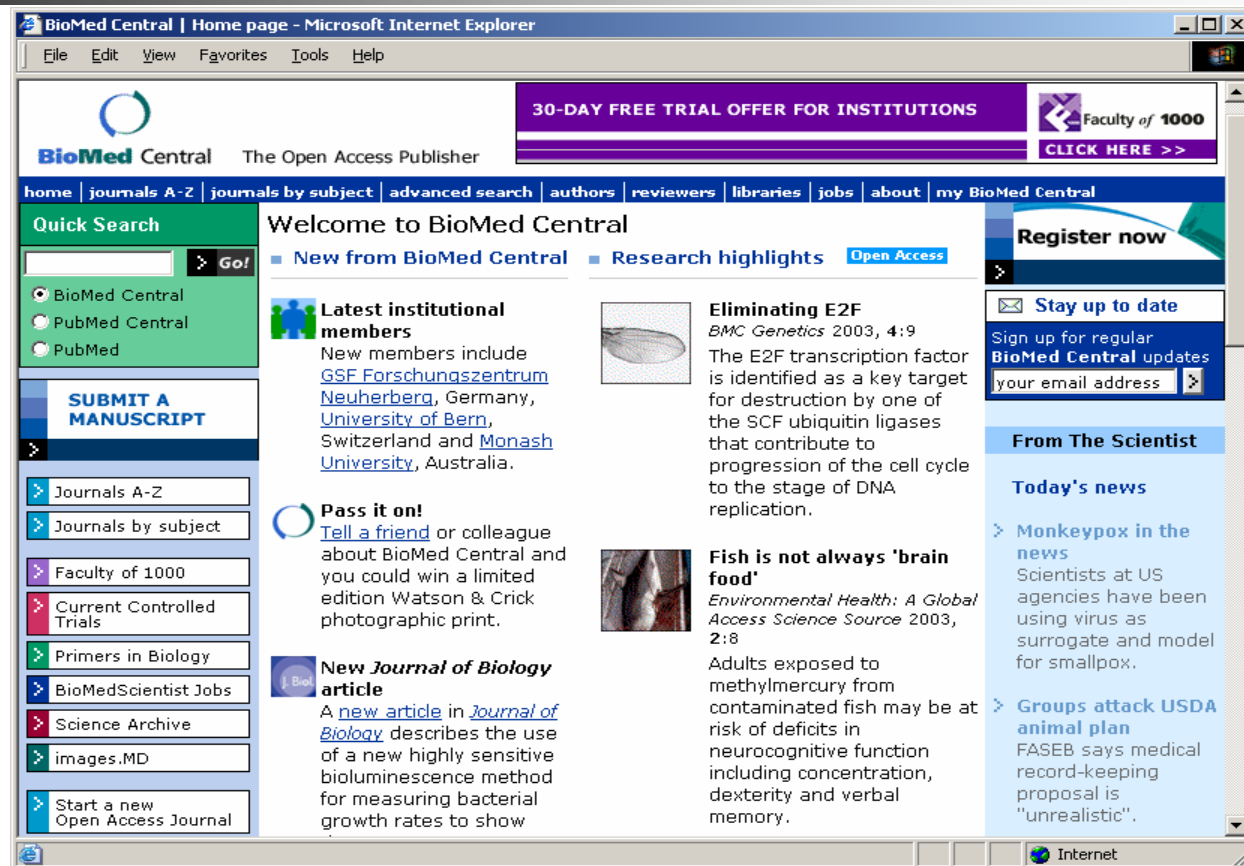
- *The Stoa Consortium* is a Web-based publishing forum for the Humanities. Its goals are:
 - to foster a new style of refereed scholarly publications in the Humanities not only of interest to specialists but also to public audience
 - to develop and refine new models for scholarly collaboration via the Internet
 - to assist in the long-term interoperability and archival availability of electronic materials
 - to support resolutions to copyright and other issues as they arise in the course of scholarly electronic publication



The Stoa Consortium (2)

- The vision of *The Stoa* is to establish a 'new paradigm of peer-reviewed publishing in the Humanities, buoyed by new models of scholarly collaboration, and using recognized standards ... '
- *The Stoa* can 'best be understood as a source of support and coordination for electronic scholarship in the humanities, with a special focus on the ancient world and the classical tradition;' more technically, it can be described as a 'refereed collaborative publication of structured data for wide audiences'

EXCITATION #13



<http://www.biomedcentral.com>



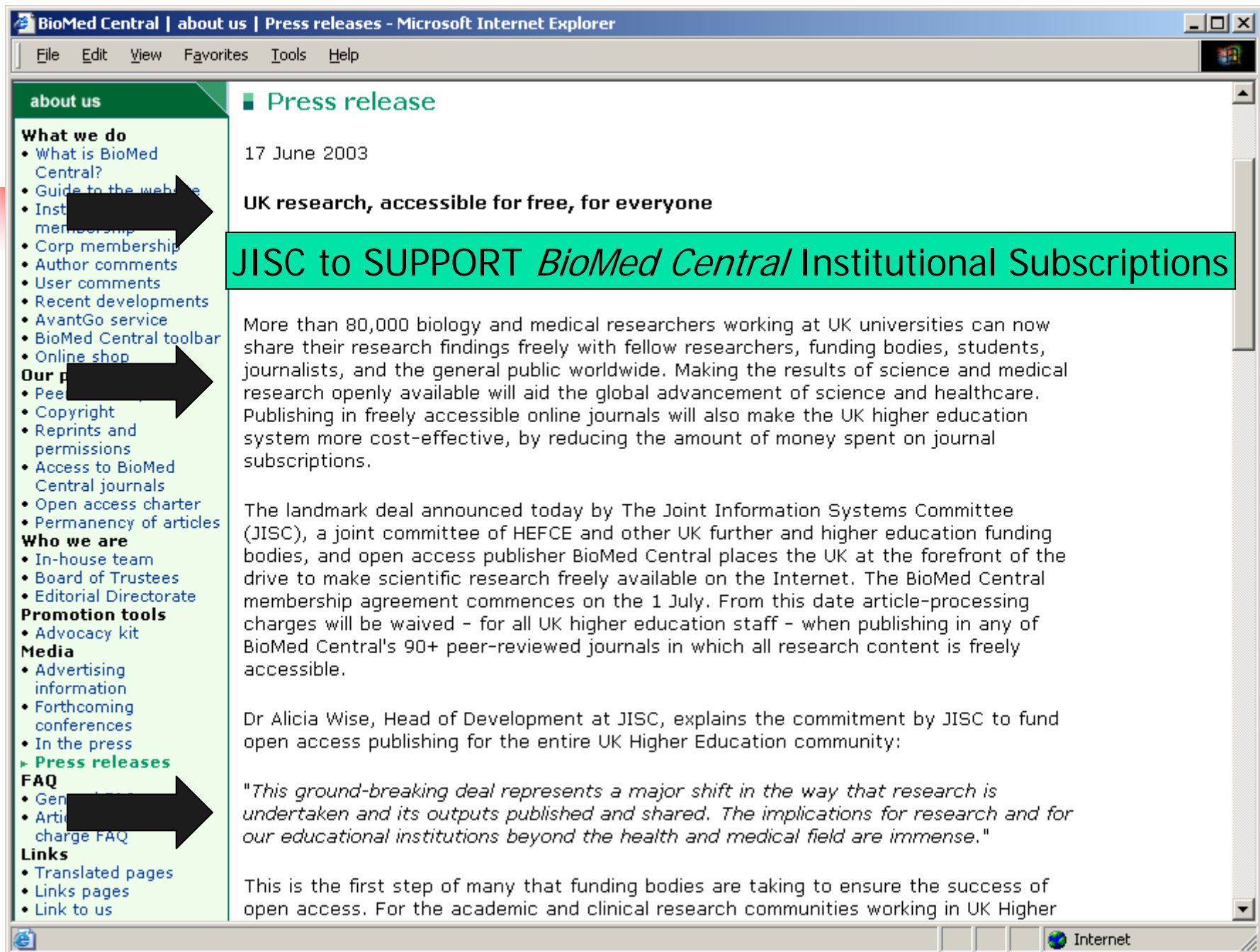
BioMed Central (1)

- Launched in May 2000, *BioMed Central* is an 'independent publishing house committed to providing immediate free access to peer-reviewed biomedical research'
- *BioMed Central* publishes electronic and print/electronic journals on a wide variety of subjects, with coverage ranging from general topics, cardiovascular disorders, endocrine disorders, and genetics, to immunology microbiology pharmacology, and women's health

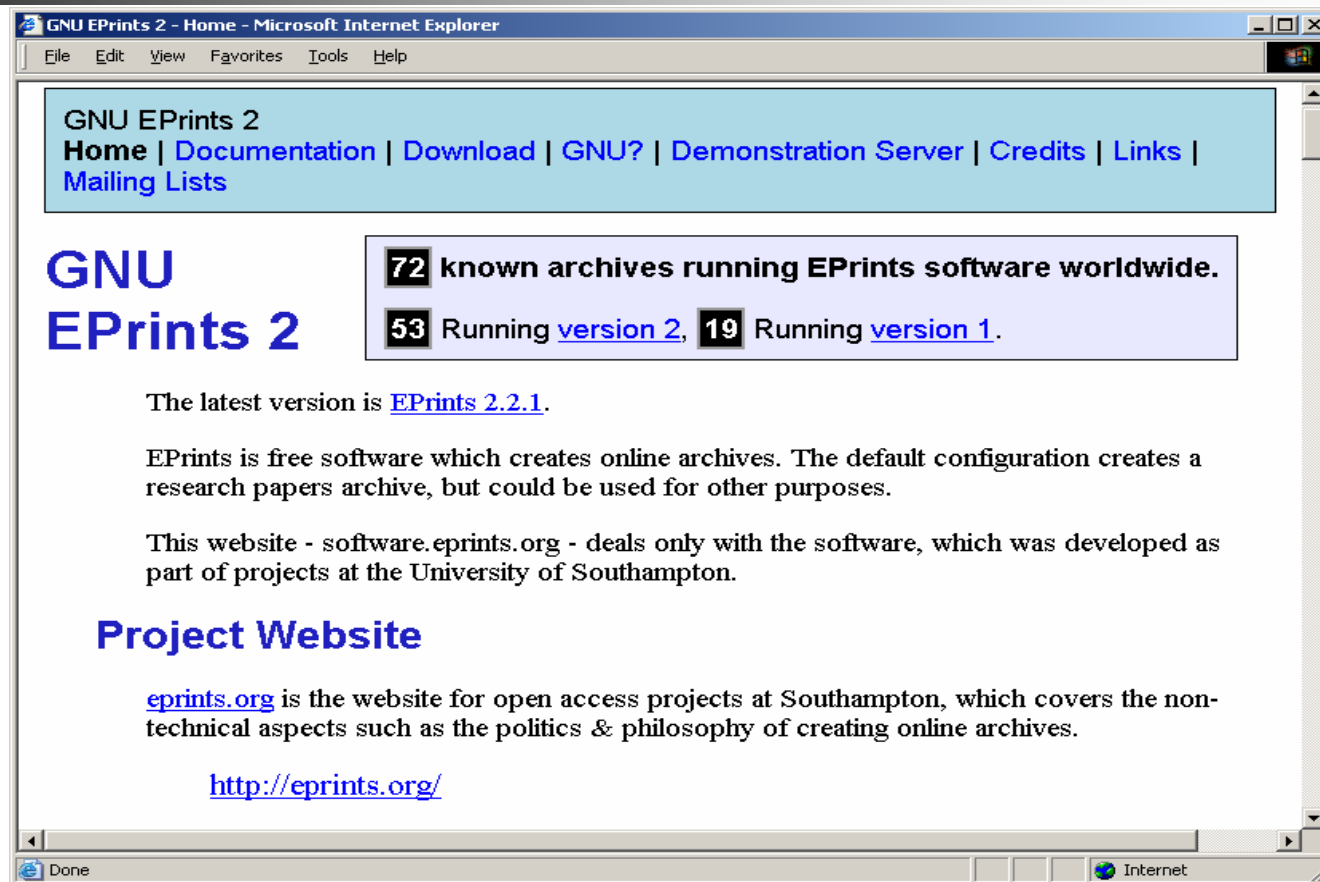


BioMed Central (2)

- All submitted manuscripts to a *BioMed Central* journal are fully and expeditiously peer-reviewed.
- For all *BMC* medical journals, referees are requested to provide signed reviews
- Pre-publication versions of each paper and associated correspondence (i.e., submitted version(s), reviewer reports, author responses) are made available with the published article for this journal series.
- Research articles published by *BioMed Central* are archived in [PubMed Central](#) (PMC)



EXCITATION #14



<http://software.eprints.org>



GNU EPrints Software (1)

- *GNU EPrints 2* is a free software package developed at the Electronic and Computer Science Department of the University of Southampton, United Kingdom, that enables the creation of an electronic 'archive' or 'repository' of departmental or institutional publications
- *GNU EPrints 2* was developed by Christopher Gutteridge, System Administrator with the Systems Group, Department of Electronics and Computer Science, University of Southampton with the assistance of Mike Jewell



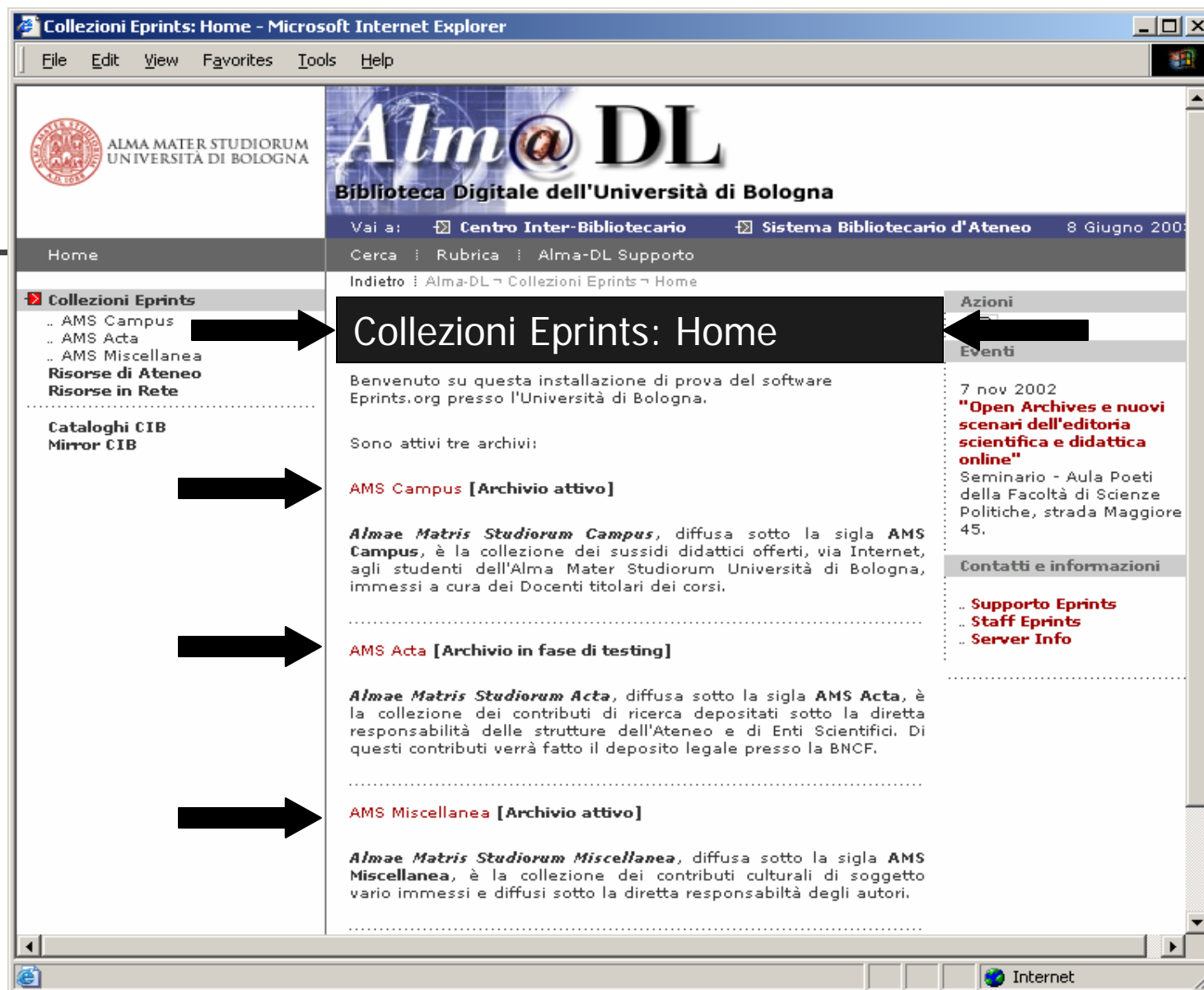
GNU EPrints Software (2)

- *GNU EPrints 2* offers a variety of user-friendly features and functionalities that facilitate the establishment of a digital publications repository, most notably:
 - a script that automates much of the installation process
 - storage of individual electronic publications in one or more than one document format
 - organization of access to contents in a subject hierarchy that facilitates browsing and searching
 - document submission using a simple Web-based interface

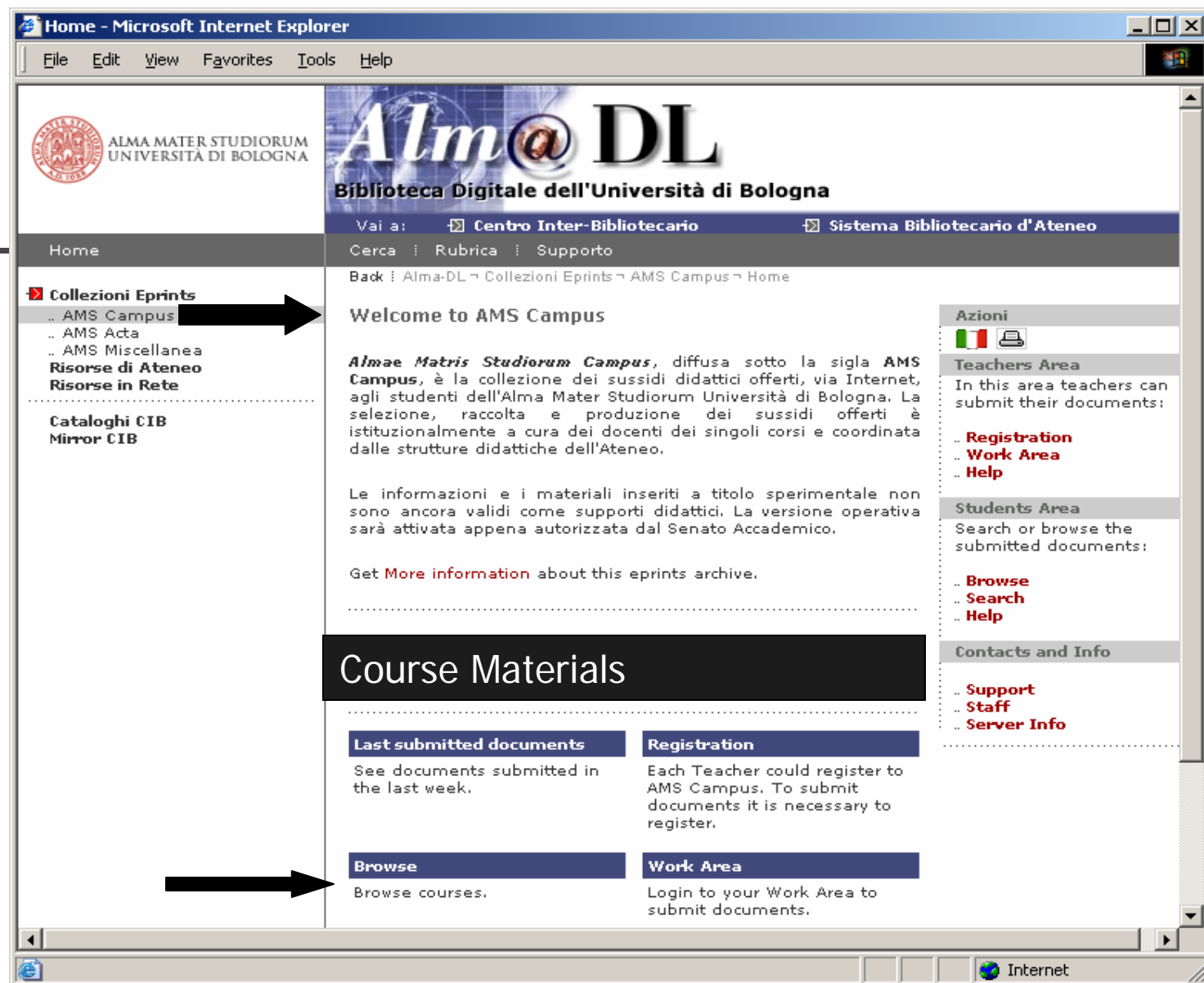


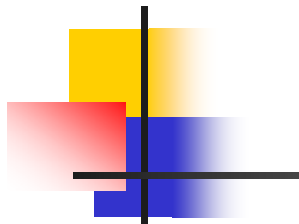
GNU EPrints Software (3)

-  ■ CogPrints
-  ■ Glasgow ePrints Service
-  ■ E-Print Repository (Australian National University)
-  ■ Collezioni Eprints (University of Bologna, Italy)




<http://almadl.cib.unibo.it/eprints/>






Browse by Subject - Microsoft Internet Explorer

File Edit View Favorites Tools Help



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



Alma@DL

Biblioteca Digitale dell'Università di Bologna

Vai a: [Centro Inter-Bibliotecario](#) [Sistema Bibliotecario d'Ateneo](#)



Cerca | Rubrica | Supporto

Back | Alma-DL | Collezioni Eprints | AMS Campus | Browse by Subject

Please select a value to browse from the list below.

- **Facoltà (69)**
 - - Altre attività formative - (12)
 - Esercitazioni di deposito [Corso di Archiviazione di Documenti Elettronici] (2)
 - Ricerca bibliografica e documentale (10)
 - Agraria
 - Agraria (Cesena)
 - Agraria (Reggio Emilia)
 - Architettura (Cesena) (1)
 - Rilievo dell'architettura [Ing. Giuseppe Amoruso] (1)
 - **Chimica Industriale (10)** ←
 - Chimica dei composti organometallici [Prof. Graziano Baccolini] (1)
 - Chimica Fisica Organica [Prof. Raffaele Guido Della Valle]
 - Chimica organica II [Prof. Alfredo Marco Ricci]
 - Chimica organica II [Prof. Goffredo Rosini]
 - Complementi di chimica organica [Prof. Alfredo Marco Ricci]
 - Complementi di chimica organica [Prof. Goffredo Rosini]
 - Laboratorio di chimica analitica [Prof.ssa Barbara Ballarin] (1)
 - Laboratorio di chimica fisica (corso B) [Prof. Gian Domenico Nivellini] (3)
 - Laboratorio di chimica fisica [Prof. Franco Bertinelli] (4)
 - Metodi analitici in chimica industriale [Prof.ssa Barbara Ballarin] (1)
 - Metodi fisici in chimica organica [Prof. Loris Grossi]

Azioni

Teachers Area

In this area teachers can submit their documents:

- .. **Registration**
- .. **Work Area**
- .. **Help**

Students Area

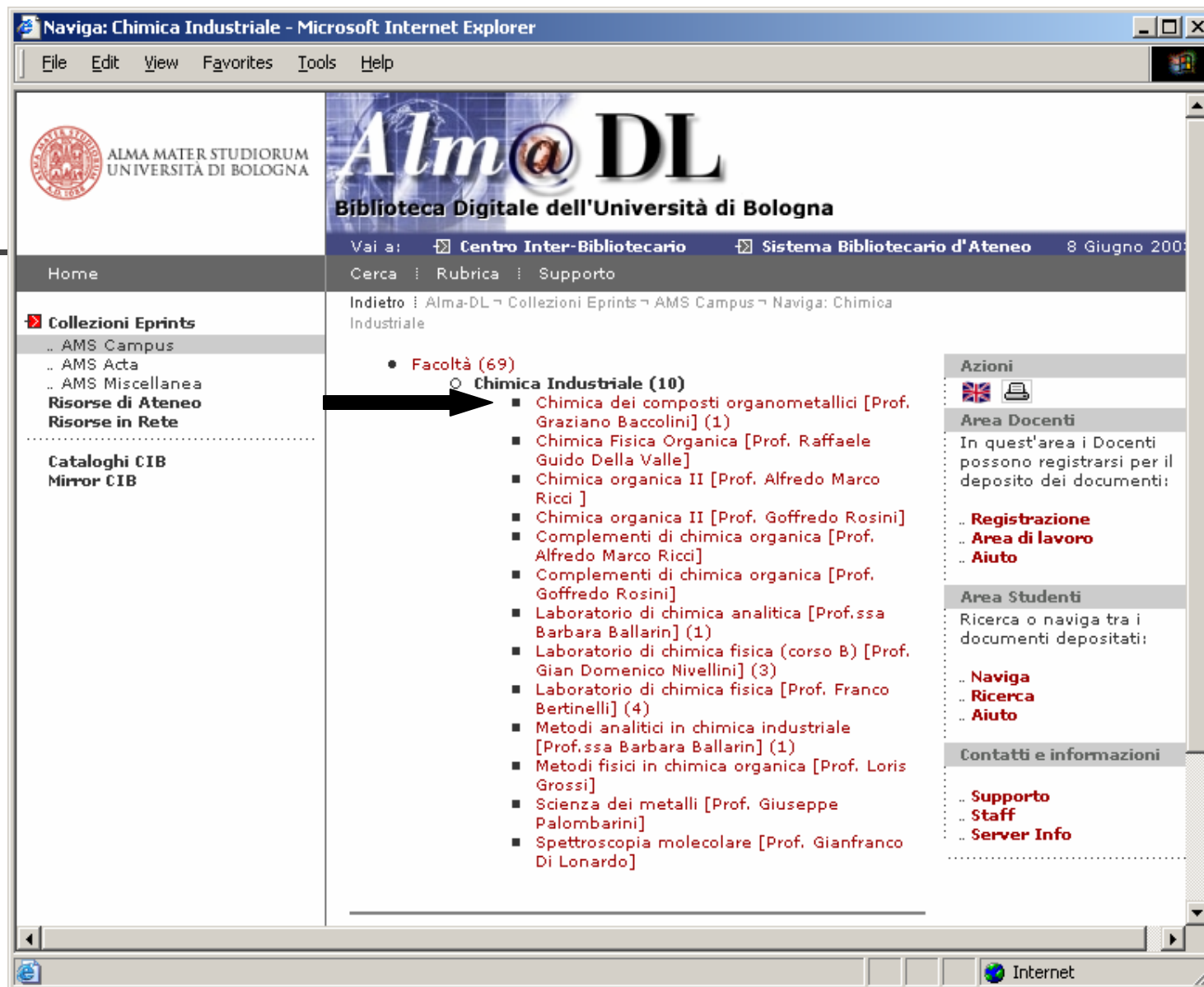
Search or browse the submitted documents:

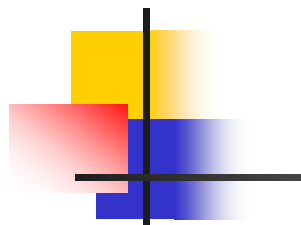
- .. **Browse**
- .. **Search**
- .. **Help**

Contacts and Info

- .. **Support**
- .. **Staff**
- .. **Server Info**

Done Internet





Chimica dei composti organometallici - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Chimica dei composti organometallici (G. Baccolini)

(Corso complementare inserito in "Indirizzo Ricerca e Sviluppo Prodotti" e "Indirizzo Chimico-Biotecnologico")

L'obiettivo di tale corso è motivato dall'esigenza di unificare alcuni importanti argomenti riguardanti la chimica organometallica e organometalloide che sono stati trattati solo marginalmente nei corsi fondamentali.

I contenuti sono in linea con gli abstracts riportati nella sezione 29 del Chemical Abstracts "Organometallic and Organometalloidal compounds".

Come primo argomento viene messo in risalto quale ruolo importante possa avere **la pentacoordinazione ed esacoordinazione di un elemento (P, S, Si, C, Pd, ecc)** nel determinare il corso di una reazione in cui è coinvolto e quindi la sua utilità nel prevedere una sintesi. Conoscere i fattori che governano la pentacoordinazione del fosforo è fondamentale per capire molti concetti e processi biologici come la definizione di composti fosforilati ad alta energia (fosfoenolpiruvato) o come alcuni **processi enzimatici**, (azione del RNase sulla decomposizione dell'acido ribonucleico.ecc) o la replicazione del DNA e la trascrizione del RNA o i processi di fosforilazione di composti di interesse biologico.

Un altro riguardo particolare è stato dato alla **chimica organica del fosforo** coprendone tutti i vari aspetti come la loro sintesi e il loro utilizzo in campo industriale biochimico e medico. Infatti negli ultimi anni c'è stato un'espansione nell'interesse per la sintesi di derivati organici del fosforo e tale interesse nasce dai vari usi che possono avere nel campo industriale, biologico e come reagenti intermedi per facilitare alcuni processi di sintesi senza i quali sono necessarie ardue procedure (reaz di Wittig ed Aza-Wittig, Mitsunobu ecc).

Particolarmente interessante è la produzione industriale di **"fine chemicals"** contenenti il fosforo con ampi campi di applicazioni come, per esempio, ritardanti di fiamma, additivi e stabilizzanti di materiali plastici e per lubrificanti, erbicidi, regolatori per la crescita delle piante, antibiotici, antivirali, antitumorali ecc. Un notevole ulteriore campo di applicazione industriale è la produzione di fosfine e difosfine chirali cicliche da usare nella produzione di catalizzatori per la sintesi

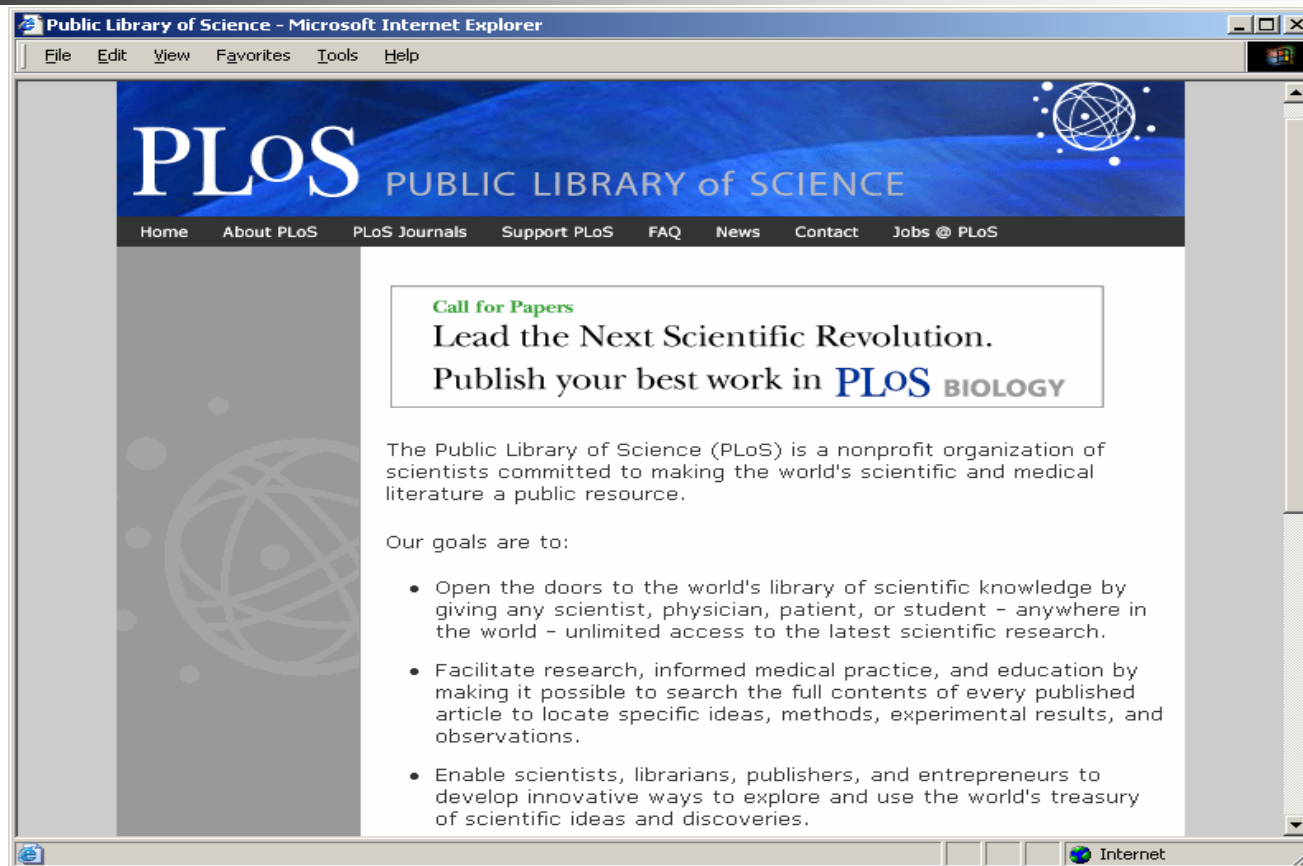
Done Internet



GNU EPrints Software (4)

- CogPrints
- Glasgow ePrints Service
- E-Print Repository (Australian National University)
- Collezioni Eprints (University of Bologna, Italy)
- DLIST (USA) ←
- E-LIS (Italy) ←

EXCITATION #15



<http://www.plos.org/>



Public Library of Science (1)

- Founded in October 2000, the *Public Library of Science* 'is a non-profit organization of scientists committed to making the world's scientific and medical literature a public resource'
- In general, *Public Library of Science* seeks 'to establish online public libraries of science that will archive and freely distribute the complete contents of every published scientific article'



Public Library of Science (2)

- And:

- 'greatly expand access to scientific knowledge by giving any scientist, physician, student - or anyone with access to the Internet, anywhere in the world - unlimited access to the latest scientific research
- facilitate research, informed medical practice and education by making it possible to freely search the full text of every published article to locate specific ideas, methods, experimental results and observations; and
- enable scientists, librarians, publishers and entrepreneurs to develop innovative new ways to access and use the information in this immensely rich but highly fragmented resource'

EXCITATION #16



<http://www.surf.nl/en/actueel/print/index2.php?oid=7>

DARE:

Digital Academic Repositories (1)

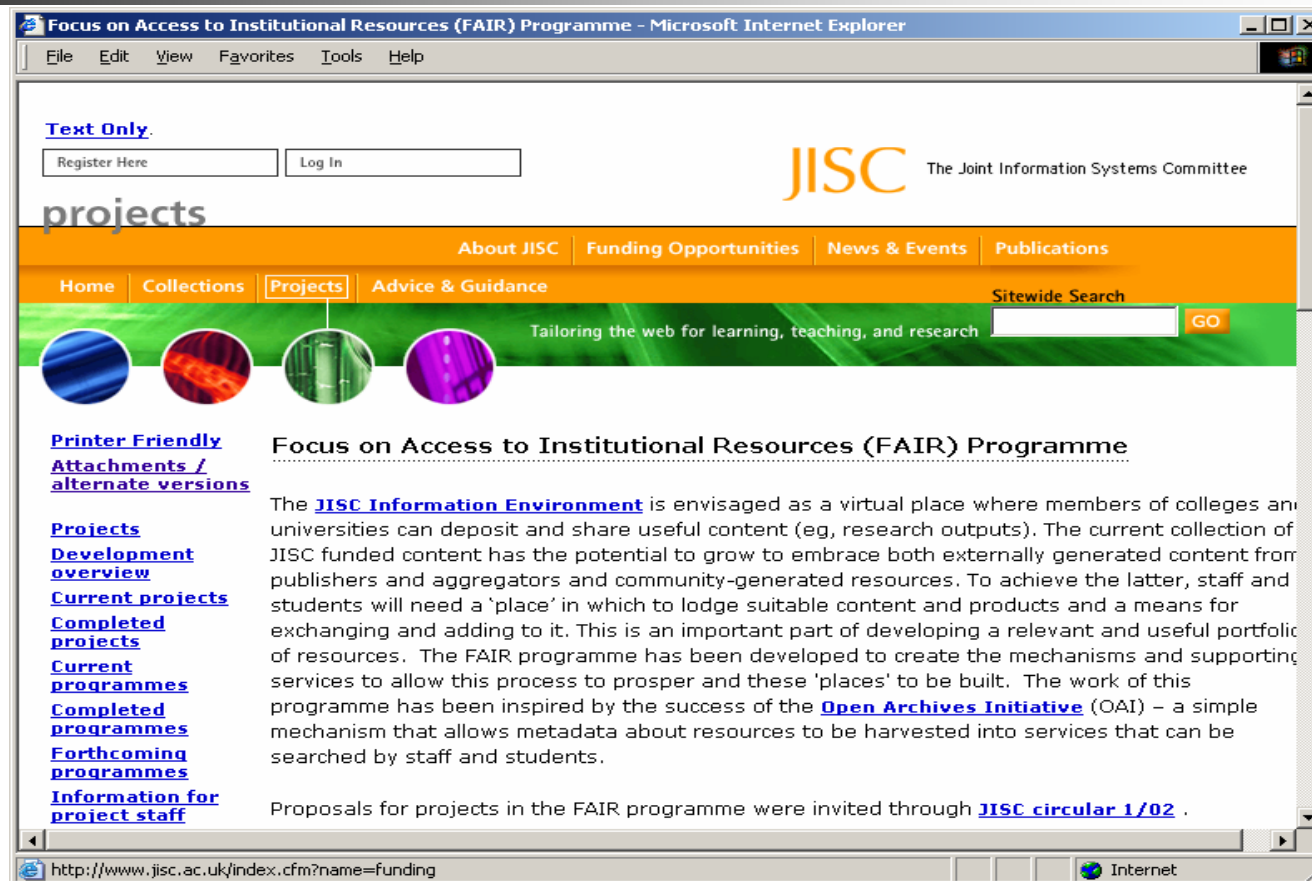
- The *Digital Academic Repositories* (DARE) project (www.surf.nl/download/DARE-summary.pdf) is a new collaborative initiative among select Dutch universities that seeks to develop the necessary infrastructure and platforms required for the long-term storage, distribution, and access to the individual and collective scholarly and educational digital assets of participating institutions

DARE:

Digital Academic Repositories (2)

- At the core of *Digital Academic Repositories* is a distributed network of institutional repositories, 'information systems for academic output such as working papers/pre-prints, theses, research reports, data sets, conference contributions, multimedia presentations, etc'
- Within this framework, individual participating institutions will oversee and manage their respective digital activities and assets

EXCITATION #17



http://www.jisc.ac.uk/index.cfm?name=programme_fair

FAIR:

Focus on Access to Institutional Resources (1)

- The Joint Information Systems Committee (JISC) (www.jisc.ac.uk) is the strategic advisory committee that works on behalf of funding bodies for further and higher education in England, Scotland, Wales and Northern Ireland, and promotes the innovative application and use of information systems and information technology
- In late summer 2002, JISC awarded funding to 14 projects under its *Focus on Access to Institutional Resources* programme (FAIR)

FAIR:

Focus on Access to Institutional Resources (1)

- The specific objectives of *FAIR* are to:
 - explore the OAI protocol ([OAI-PMH](#)) as a mechanism for disclosure and sharing a range of resource types (e.g., images, video clips, learning objects, finding aids)
 - explore other mechanisms for disclosure
 - explore the challenges associated with disclosure and sharing, including Intellectual Property Rights
 - test the delivery of disclosed information through established JISC services
 - inform the work for developing the Information Environment

FAIR:

Focus on Access to Institutional Resources (3)

- DAEDALUS: Data providers for Academic E-content and Disclosure of Assets for Learning, Understanding, and Scholarship (University of Glasgow Library)
- ePrints UK (Resource Discovery Network)
- TARDis: Targeting Academic Research for Dissemination and Disclosure (University of Southampton)

EXCITATION #18



<http://www.scielo.br/>

SciELO:



Scientific Electronic Library Online (1)

- *SciELO* (Scientific Electronic Library Online) is the result of a partnership among the State of São Paulo Science Foundation (FAPESP), Latin America and Caribbean Center on Health Sciences Information (BIREME), and national and international institutions involved with scientific communication



SciELO:

Scientific Electronic Library Online (2)

- As of June 2003, the *SciELO* gateway provided access to more than 10,000 articles from more than 100 academic journals
- Subject coverage includes:
 - Agricultural Sciences
 - Applied Social Sciences
 - Biological Sciences
 - Engineering
 - Exact and Earth Sciences
 - Health Sciences
 - Human Sciences
 - Linguistics, Letters, and Arts

<QUOTE#5>

"The opportunities ...
are not in our stars,
but within ourselves."

Cassius

Julius Caesar

Act I, Scene 2

With apologies to
William Shakespeare
(1564-1616)





BY EXAMPLE



<http://dlist.sir.arizona.edu/>



DLIST: Digital Library of Information Science and Technology

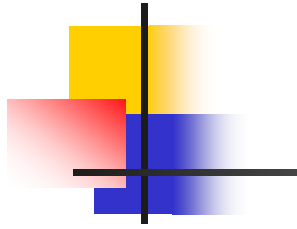
- The objective of *DLIST* is to serve as a repository of electronic resources in the domains of Library and Information Science (LIS) and Information Technology (IT)
- *DLIST* contains materials in a variety of formats



DLIST: Digital Library of Information Science and Technology

- These formats include but are not be limited to:
 - published and unpublished papers
 - data sets
 - instructional and help materials ←
 - pathfinders ←
 - reports
 - bibliographies



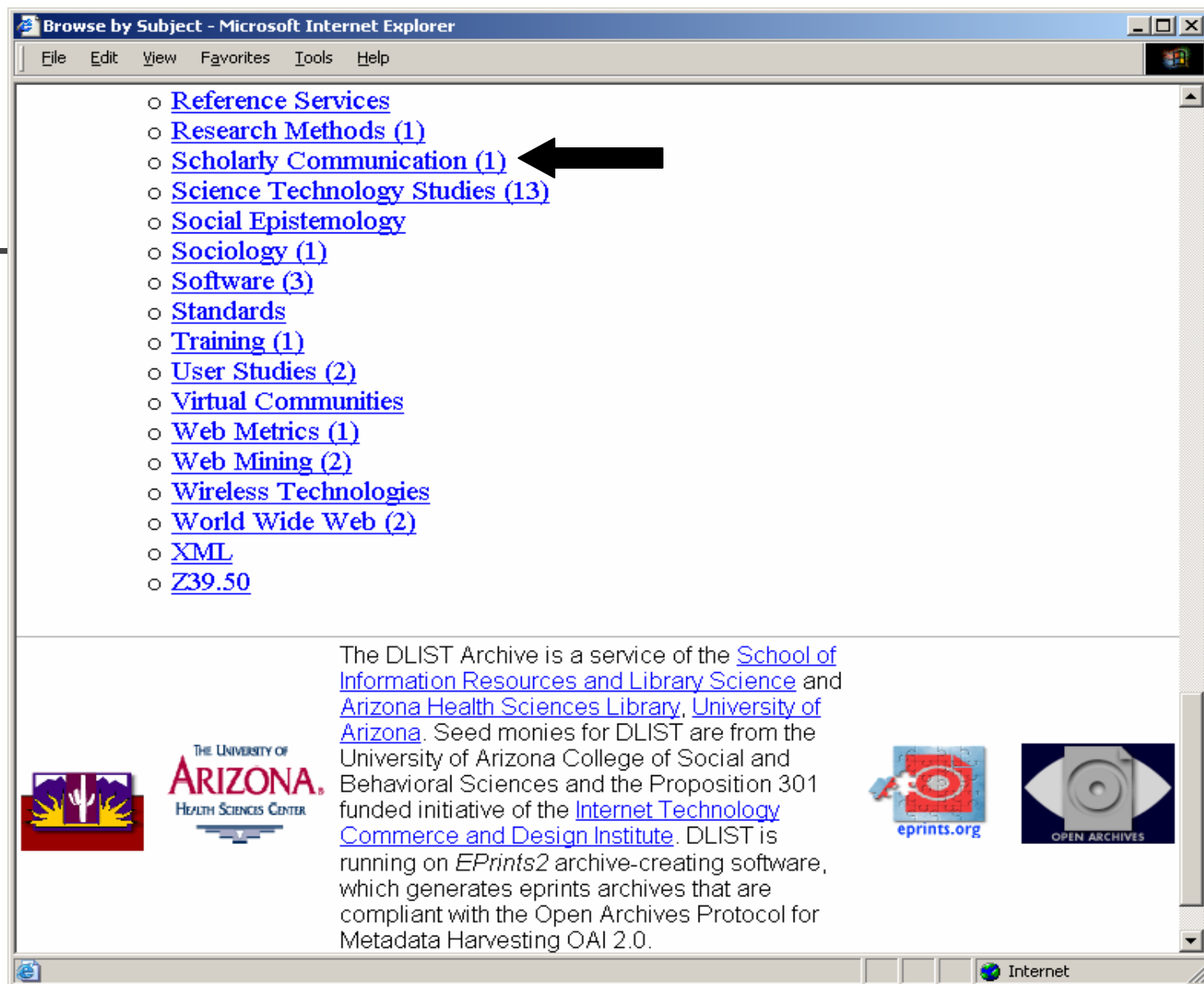


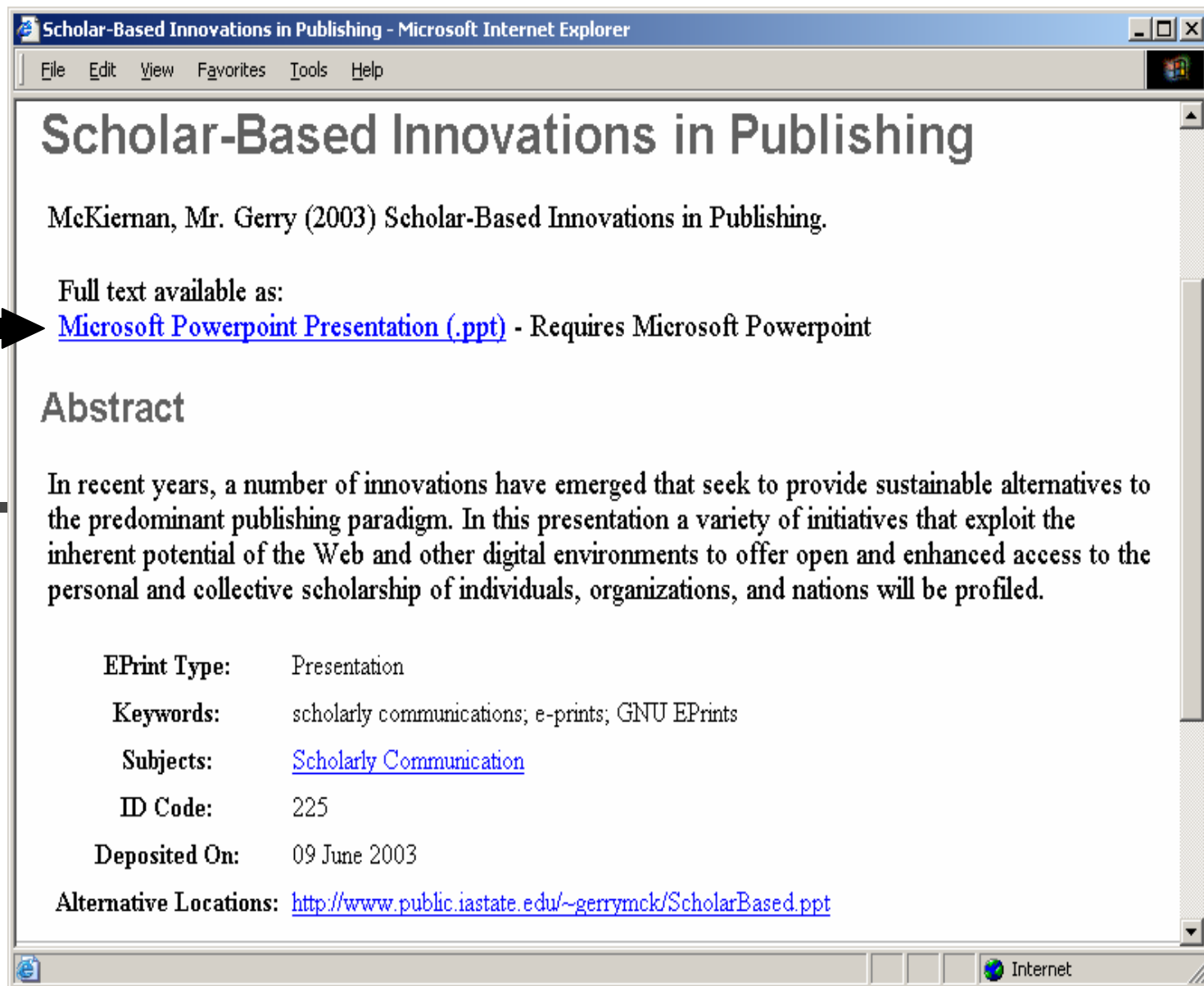
Browse by Subject ←

Please select a value to browse from the list below.

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 - [Archaeology](#)
 - [Archives \(1\)](#)
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 - [Bibliometrics \(11\)](#)
 - [Cataloging \(3\)](#)
 - [Citation Analysis \(2\)](#)
 - [Classification \(3\)](#)
 - [Co-citation Analysis \(2\)](#)
 - [Cognitive Science](#)
 - [Communications \(1\)](#)
 - [Computational Linguistics](#)
 - [Computer Science \(1\)](#)
 - [Data Mining \(1\)](#)
 - [Databases \(2\)](#)
 - [Digital Libraries \(8\)](#)
 - [Distributed Learning \(3\)](#)
 - [Economics \(1\)](#)
 - [Economics of Information \(2\)](#)
 - [Electronic Publishing \(4\)](#)

Done Internet





Scholar-Based Innovations in Publishing

McKiernan, Mr. Gerry (2003) Scholar-Based Innovations in Publishing.

Full text available as:

[Microsoft Powerpoint Presentation \(.ppt\)](#) - Requires Microsoft Powerpoint

Abstract

In recent years, a number of innovations have emerged that seek to provide sustainable alternatives to the predominant publishing paradigm. In this presentation a variety of initiatives that exploit the inherent potential of the Web and other digital environments to offer open and enhanced access to the personal and collective scholarship of individuals, organizations, and nations will be profiled.

EPrint Type: Presentation

Keywords: scholarly communications; e-prints; GNU EPrints

Subjects: [Scholarly Communication](#)

ID Code: 225

Deposited On: 09 June 2003

Alternative Locations: <http://www.public.iastate.edu/~gerrymck/ScholarBased.ppt>

Scholar-based Innovations in Publishing



Gerry McKiernan

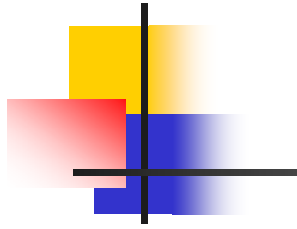
Science and Technology Librarian and Bibliographer

Iowa State University Library

Ames IA

gerrymck@iastate.edu

<http://www.public.iastate.edu/~gerrymck/ScholarBased.ppt>



Browse by Year - Microsoft Internet Explorer

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Browse by Year



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- [1996 \(2\)](#)
- [1998 \(5\)](#)
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- [2000 \(5\)](#)
- [2001 \(21\)](#)
- [2002 \(28\)](#)
- [2003 \(5\)](#)



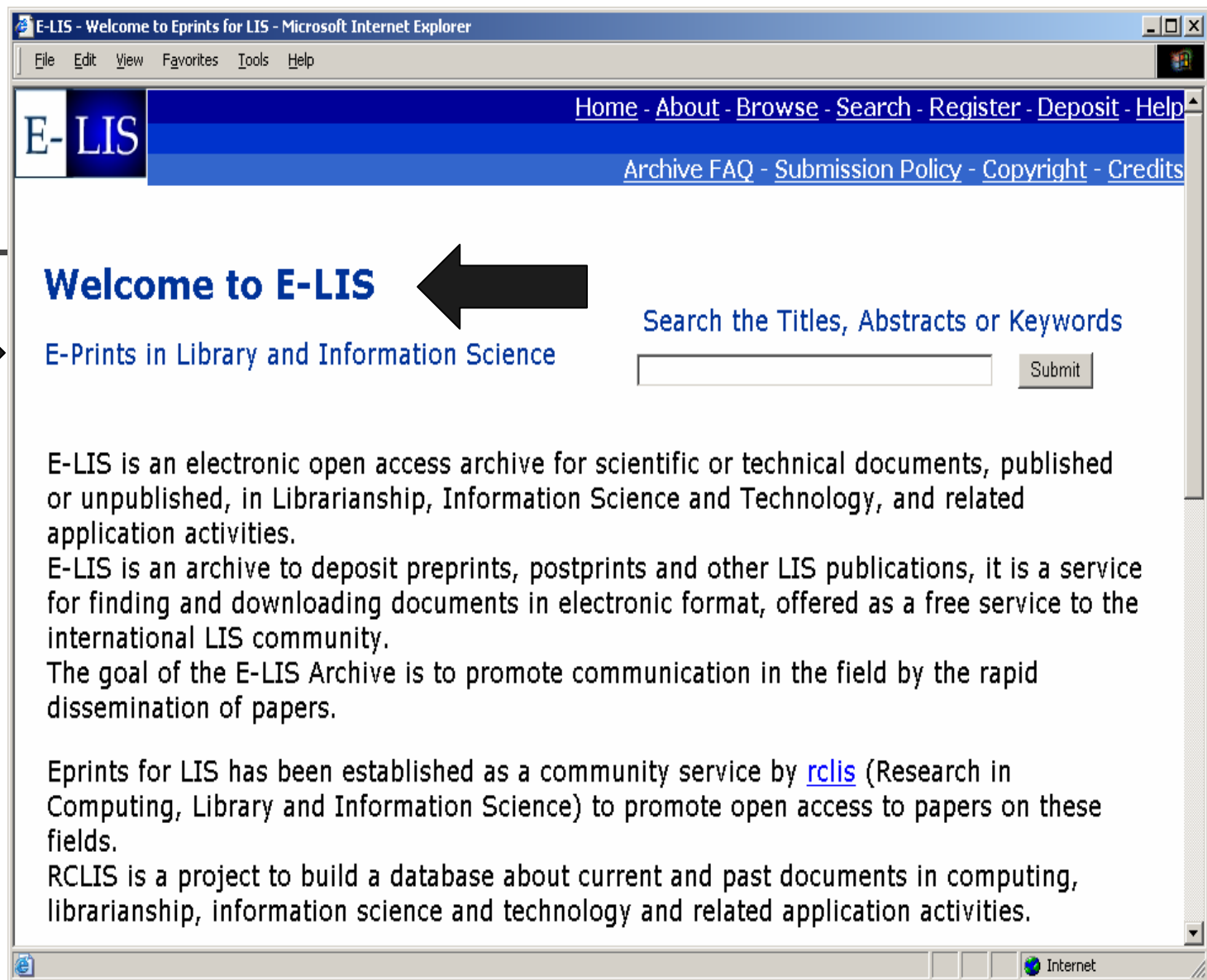
THE UNIVERSITY OF
ARIZONA.
HEALTH SCIENCES CENTER

The DLIST Archive is a service of the [School of Information Resources and Library Science](#) and [Arizona Health Sciences Library, University of Arizona](#). Seed monies for DLIST are from the University of Arizona College of Social and Behavioral Sciences and the Proposition 301 funded initiative of the [Internet Technology Commerce and Design Institute](#). DLIST is running on *EPrints2* archive-creating software, which generates eprints archives that are compliant with the Open Archives Protocol for Metadata Harvesting OAI 2.0.



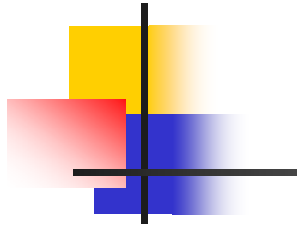
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E-LIS - JITA classification schema - Microsoft Internet Explorer

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Classification schema for E-LIS

JITA Classification System of Library and Information Science

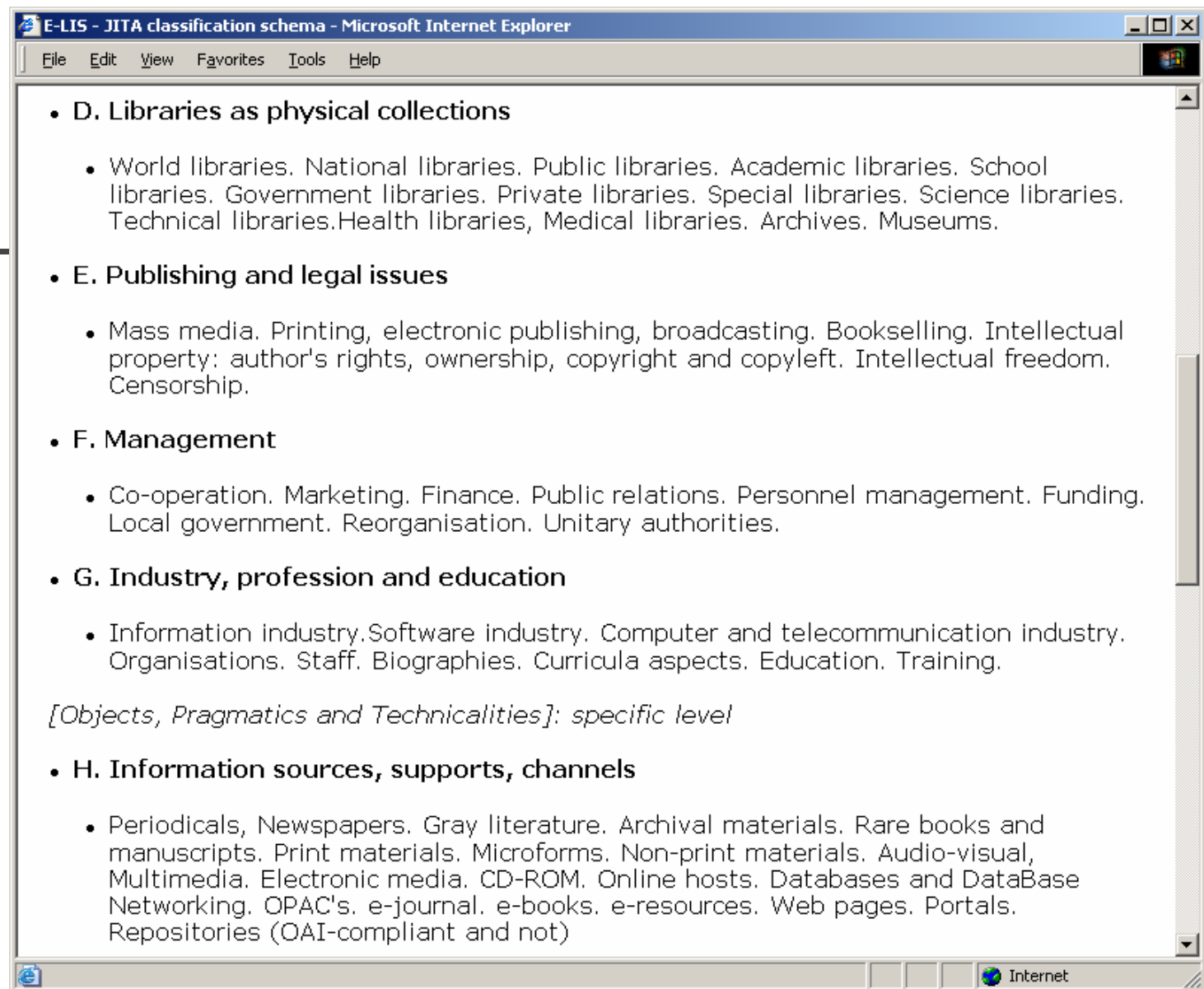
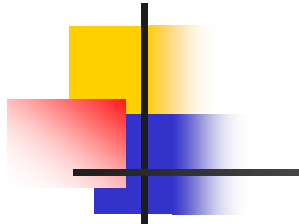
[Theoretical and General]: general level

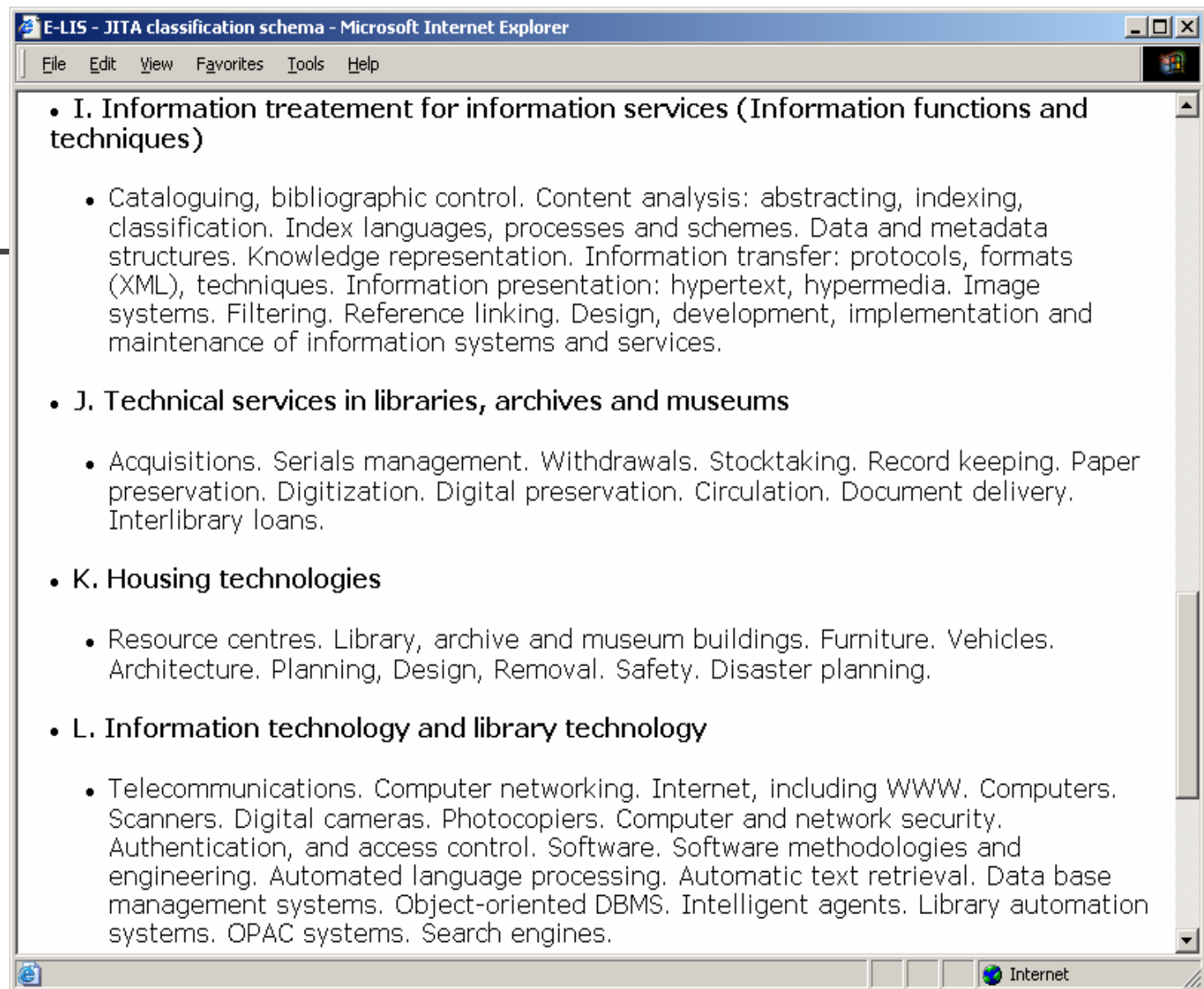
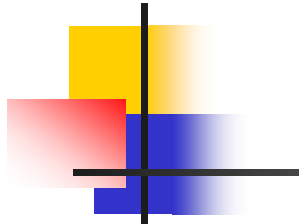
- **A. Theoretical and general aspects of libraries and information**
 - Library and information science as a field. Information theory and library theory. Relationship of library and information science with other fields such as computing and communication science and cognitive science.
- **B. Information use and sociology of information**
 - Use and impact of information. Bibliometric methods. Information in society. Information society. Information economics. Information policy. Information dissemination and diffusion. Information needs and information requirements analysis. User interfaces, usability.

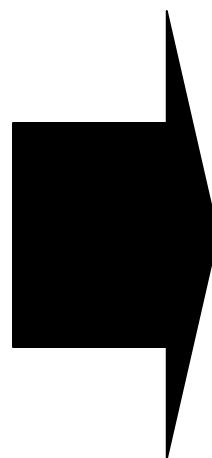
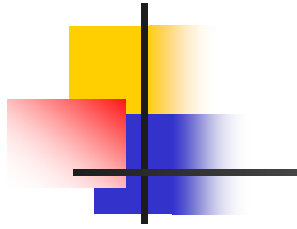
[User oriented, directional, and management functionalities]: intermediate level (socio-economical and legal issues included)

- **C. Users, literacy and reading**
 - Use studies. User studies. User categories: children, young people, social groups. User training, promotion, activities, education. Literacy. Reading and story telling.

Internet







E-LIS - JITA classification schema - Microsoft Internet Explorer

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- Resource centres. Library, archive and museum buildings. Furniture. Vehicles. Architecture. Planning, Design, Removal. Safety. Disaster planning.
- **L. Information technology and library technology**
 - Telecommunications. Computer networking. Internet, including WWW. Computers. Scanners. Digital cameras. Photocopiers. Computer and network security. Authentication, and access control. Software. Software methodologies and engineering. Automated language processing. Automatic text retrieval. Data base management systems. Object-oriented DBMS. Intelligent agents. Library automation systems. OPAC systems. Search engines.

The JITA Classification Schema has been developed starting from a merger of NewsAgentTopic Classification Scheme (maintained by Mike Keen at Aberystwyth, UK, until 31st March 1998) and the RIS classification scheme of the (now defunct) Review of Information Science originally conceived by Donald Soergel (University of Maryland). JITA is an acronym of the authors' first names: Jose' Manuel Barrueco Cruz, Imma Subirats Coll, Thomas Krichel and Antonella De Robbio. The authors thank Michael Keen, University of Wales Aberystwyth and Andy Powell, UKOLN for the permission of the using NewsAgentTopic Classification Scheme in the development of this schema. In addition, the authors are grateful for comments by Lorcan Dempsey (VP, Research, OCLC) and Sophie Rigny (Library of Congress).

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DoIS

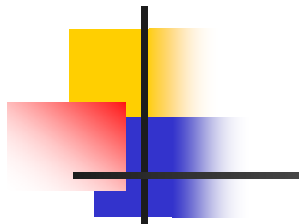


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 - [A. Theoretical and general aspects of libraries and information \(5\)](#)
 - [B. Information use and sociology of information \(11\)](#)
 - [C. Users, literacy and reading \(3\)](#)
 - [D. Libraries as physical collections \(4\)](#)
 - [E. Publishing and legal issues \(23\)](#)
 - [F. Management \(4\)](#)
 - [G. Industry, profession and education \(4\)](#)
 - [H. Information sources, supports, channels \(51\)](#)
 - [I. Information treatment for information services \(Information functions and techniques\) \(46\)](#)
 - [J. Technical services in libraries, archives and museums \(17\)](#)
 - [K. Housing technologies](#)
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EPrints submitted by McKiernan, Gerry

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[McKiernan, Gerry \(2002\) Seize the EI: The Eclectic Journal and Its Ramifications. Technical Report.](#)

[McKiernan, Gerry \(2001\) E is for Everything: The Extra-Ordinary, Evolutionary \[E-\] Journal . Technical Report.](#)

[McKiernan, Gerry \(1999\) Morning Becomes Electric: Post-Modern Scholarly Information Access, Organization, and Navigation. Technical Report.](#)

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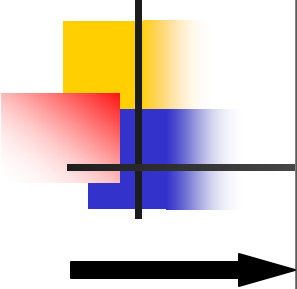
[McKiernan, Gerry \(1997\) Hand-Made in Iowa: Organizing the Web Along the Lincoln Highway . D-Lib Magazine 1997 \(Feb\).](#)

[McKiernan, Gerry \(1996\) The Once and Future Library. Issues in Science and Technology Librarianship Fall\(1996\).](#)

[McKiernan, Gerry \(2002\) eProfiles: Innovative Information Systems and Services. Technical Report.](#)

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E is for Everything: The Extra-Ordinary, Evolutionary [E-] Journal

McKiernan, Gerry (2001) E is for Everything: The Extra-Ordinary, Evolutionary [E-] Journal . Technical Report.

Full text available as:
[PowerPoint](#)

Abstract

An ever-increasing number of e-journals are transcending the limitations of the paper medium by incorporating and integrating a wide variety of innovative electronic features and content. In this article, we examine the current evolution of the scholarly journal and review the emergence of functionalities that expand and extend the conventional electronic journal. We further explore additional e-journal enhancements and consider new forms and formats of scholarly communication likely to arise in the not-so-distant future.

Keywords: electronic journal; innovation, customization; multimedia; eclectic journals; object-oriented

Subjects: [L. Information technology and library technology](#)
[H. Information sources, supports, channels](#)
[I. Information treatment for information services \(Information functions and techniques\)](#)

ID Code: 50

Deposited By: [McKiernan, Gerry](#)


Deposited On: 05 January 2003

Alternative Locations: <http://www.public.iastate.edu/~gerrymck/Eis4.ppt>

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E is for Everything: The Extra-Ordinary, Evolutionary [e-] Journal



Gerry McKiernan

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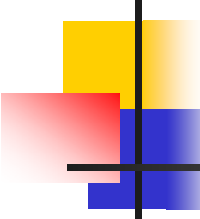
gerrymck@iastate.edu

WiLSWorld 2001

The Future's So Bright ...

July 27, 2001

University of Wisconsin, Madison



"We scientists *can* exercise control of our journals. We can transform them from commercial commodities back to instruments of service to education and research. When we are in control, we fulfill our responsibility to ourselves, to society, to our institutions, and to our colleagues throughout the world."

Michael L. Rosenzweig
Editor in Chief,
Evolutionary Ecology Research

Michael L. Rosenzweig, *Declaring Independence: A Guide to Creating Community-Controlled Science Journals* (Chapel Hill, NC, Washington, DC: Scholarly Publishing and Academic Resources Coalition, Triangle Research Libraries Network, 2001), 1. Also available at: http://www.arl.org/sparc/DI/Declaring_Independence.pdf (accessed 7 June 2002).



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"Scholar-based Innovations in Publishing. Part II: Library and Professional Initiatives," *Library Hi Tech News* 20 no. 3 (April 2003): 19-27.

"Scholar-based Innovations in Publishing. Part III: Organizational and National Initiatives," *Library Hi Tech News* 20 no. 5 (June 2003): 15-23.

"Open Access and Retrieval: Liberating the Scholarly Literature," in *E-Serials Management: Transitions, Trends, and Technicalities*, ed. David Fowler (Binghamton, NY: Haworth Press, Fall 2003).

THANK YOU FOR YOUR ATTENTION!

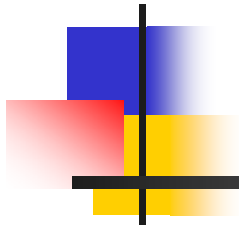


Scholar with His Books (1671)

Gerbrand van den Eeckhout (1621-1674)

<http://www.kfki.hu/~arthp/html/e/eeckhout/>

Scholar-based Innovations in Publishing



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<http://www.public.iastate.edu/~gerrymck/ScholarBased.ppt>



ACKNOWLEDGEMENT

Due to circumstances beyond my control, I was unable to attend ALA to deliver this presentation in person.

I am most grateful to Julia Blixrud, Assistant Director, Public Programs, SPARC, and fellow panelist, for presenting on my behalf.

Thanks!, Julia!

Gerry McKiernan



REVISED FINAL

July 4, 2003
3:00 PM