Open Access Journals – dissemination and integration in modern library services

15th Panhellenic Academic Libraries Conference,
Patras, November 2006
Lars Björnshauge,
Director of Libraries
Lund University
Introductory statements

- Libraries and Librarians have played a very important role in promoting and lobbying for Open Access to scholarly literature.
- Libraries and Librarians play a very important role in and advocacy for self-archiving and development of Institutional Repositories.
- We can be very proud of that!!
- We still have a lot to do when it comes to promoting access to the Open Access content in OA journals and Institutional repositories!
Agenda

- Part I:
  - Brief introduction to the Directory of Open Access Journals (DOAJ)
  - Dissemination of Open Access Journals
- Part II:
  - Integration of Open Access Journals in library services
Part I
Directory of Open Access Journals
Purpose of the DOAJ:

• making it easier for
  – readers to find OA-material
  – authors to find a journal to publish in OA
  – OA-publishers to get their journals visible
  – aggregators & libraries to integrate OA-journals data in their services
What we hope to see ...

Increased visibility and access to Open Access journals
= Increased usage
= Increased citation
= Increased impact
= Increased usage...

etc etc
What is DOAJ:

- A collection of peer reviewed open access journals
- SCOPE: All disciplines – all languages
- One interface
- Provides search service for end-users
- Provides metadata harvesting services based on the OAI-PMH protocol for libraries and other service providers
Selection criteria

• Open Access
  – no embargo!

• Quality control measures,
  – the journal must exercise peer-review or editorial quality control in order to be included in the DOAJ.

• Scientific or scholarly content
  – The researcher as primary target group
Open Access – our definition:

Open access journals = journals that use a funding model that does not charge readers or their institutions for access.

The BOAI definition of "open access" = the right of "users to read, download, copy, distribute, print, search, or link to the full texts of these articles" as mandatory criteria
• **History:**
  - Initiated during the first Nordic Conference on Scholarly Communication in Lund/Copenhagen October 2002
  - Initially funded by Open Society Institute and co-funded by SPARC
  - Project started January 2003
  - Service launched 12th of May 2003 with 300+ journals
Number of journals listed in the DOAJ

- May 2003: 300
- November 2003: 558
- May 2004: 1097
- November 2004: 1345
- May 2005: 1601
- November 2005: 1905
- May 2006: 2230
- November 2006: 2450
The Editorial process (simplified)

DOAJ

Editorial work:
check against criteria, communication with journal owner etc., check for compliance, remove uncompliant journals etc

Suggestions

Lists, blogs etc
DOAJ
DIRECTORY OF OPEN ACCESS JOURNALS

New titles (added the last 30 days)

52 journals added the last 30 days

ACTA BIOLÓGICA COLOMBIANA
ISSN: 0120548X
Subject: Biology
Publisher: Universidad Nacional de Colombia
Language: Spanish, English
Keywords: biological sciences
Start year: 2005

Alfa Redi: Revista de Derecho Informático
ISSN: 16815726
Subject: Computer Science --- Law
Publisher: Comunidad Alfa-Redi
Language: Spanish, Portuguese, English
Keywords: computer law, information society
Start year: 1998

Annals of "Dunarea de Jos" University of Galati, Fascicle III, Electrotechnics, Electronics, Automatic Control, Informatics
ISSN: 1221454X
Subject: Electrical and Nuclear Engineering --- Computer Science
Publisher: "Dunarea de Jos" University of Galati, Romania
Language: English
Keywords: computer science, electrical engineering, automatic control, industrial electronics, telecommunications
Start year: 2000

Archivar. Mitteilungsblatt für deutsches Archivwesen
<table>
<thead>
<tr>
<th>Language</th>
<th>Number of journals receiving articles in that language (September 2005)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1535</td>
</tr>
<tr>
<td>Spanish</td>
<td>314</td>
</tr>
<tr>
<td>Portuguese</td>
<td>172</td>
</tr>
<tr>
<td>French</td>
<td>101</td>
</tr>
<tr>
<td>German</td>
<td>73</td>
</tr>
<tr>
<td>Japanese</td>
<td>30</td>
</tr>
<tr>
<td>Italian</td>
<td>28</td>
</tr>
<tr>
<td>Russian</td>
<td>19</td>
</tr>
<tr>
<td>Turkish</td>
<td>13</td>
</tr>
<tr>
<td>Catalan</td>
<td>6</td>
</tr>
<tr>
<td>Croatian</td>
<td>4</td>
</tr>
<tr>
<td>Greek</td>
<td>4</td>
</tr>
<tr>
<td>Chinese</td>
<td>4</td>
</tr>
</tbody>
</table>
Percentage of journals with OA content available from

- 7%
- 3%
- 50%
- 39%

Years:
- 1990
- 1991-1995
- 1996-2000
- 2001-2005
Usage of the DOAJ service

• Every month visits from 160+ countries
• Requested files increasing
• Distinct host served increasing
• Amount of data transferred increasing
• Visits from OAI-harvesters increasing
• Number of abstracts presented increasing
• Number of links to articles followed increasing
Successful requests per month

- April 2004: 200,000
- August 2004: 1,000,000
- November 2004: 1,500,000
- February 2005: 2,000,000
- May 2005: 2,500,000
- August 2005: 3,000,000
- February 2006: 2,500,000
- May 2006: 2,000,000
- August 2006: 1,500,000
Using DOAJ for searching/browsing

User

search

DOAJ

Redirect

Journal web sites

+ 500,000 redirects per month
Find articles

(more than one word in a field will be treated as **phrase**)

**Suggest a journal**

**Find articles**

**Find Journals**

**New titles**

**About**

**FAQ**

**News**

**Cooperation**

**Contact**

**Support DOAJ**

**For journal owners**

**For authors**

Find articles
Found 3 documents matching your query:
All Fields=bird flu

Bird Flu: A recent threat to human health
Author: Asad U. Khan  Journal: Bioinformation  Year: 2006  Vol: 1  Issue: 4
Pages/record No.: 132-132
[View record] [Full text]

Searching of Main Cause Leading to Severe Influenza A Virus Mutations and Consequently to Influenza Pandemics/Epidemics
Author: Guang Wu and Shaomin Yan  Journal: American Journal of Infectious Diseases  Year: 2005  Vol: 1  Issue: 2  Pages/record No.: 116-123
[View record] [Full text]

Avian influenza a (H5N1): A preliminary review
Author: Padhi S; Panigrahi P; Mahapatra A; Mahapatra S  Journal: Indian Journal of Medical Microbiology  Year: 2004  Vol: 22  Issue: 3  Pages/record No.: 143-146
[View record] [Full text]
Searching of Main Cause Leading to Severe Influenza
A Virus Mutations and Consequently to Influenza Pandemics/Epidemics

Guang Wu and Shaomin Yan
Computational Mutation Project, DreamSciTech Consulting, 301, Building 12, Nanyou A-zone
Jiannan Road, Shenzhen, Guangdong Province, CN-518054, China

Abstract: The unpredictable mutations in the proteins from influenza A virus lead to the great
difficulty in prevention of possible outbreak of bird flu and pandemic/epidemic of influenza. This
unpredictability is due to the fact that we know little about the causes that lead to the mutations. In
three of our recent studies on the hemagglutinins from influenza A virus, we unintentionally noticed
the periodicity of mutations in hemagglutinins similar to the periodicity of sunspot. We calculated the
amino-acid pair predictability and amino-acid distribution rank, which are developed by us over last
several years and can numerically present the evolution of proteins in question, of 1217 full-length
hemagglutinins from influenza A viruses. We then used the fast Fourier transform to determine the
periodicity of mutations in the hemagglutinins. We compare the periodicities of mutations in influenza
A virus hemagglutinins with those of solar and galactic cosmic rays and find a main periodicity of the
mutations identical to that of sunspot and neutron rate (11 years/circle). Then we plot the sunspot
number with respect to the historical pandemics/epidemics/non-pandemic new strains over last three
centuries and compare the recorded sunspots with the historical pandemics before 1700. Both show a
good agreement between sunspot activity and influenza related events. As the histories of Sun and
Results 1 - 3 of about 58 for **Searching of Main Cause Leading to Severe Influenza A Virus Mutations and Consequently to Influenza Pandemics/Epidemics**

- **Origins of Human Virus Diversity** - Sharp - Cited by 10
- **Virus Dynamics: Mathematical Principles of Immunology** - Nowak - Cited by 100
- **Tick-borne encephalitis** - Gritsun - Cited by 29

**Searching of main cause leading to severe influenza A virus**

Searching of main cause leading to severe influenza A virus mutations and consequently to influenza pandemics/epidemics. Am J Infect Dis ... flu.org.cn/en/article-4955.html - 10k - Cached - Similar pages

**[PDF] Searching of Main Cause Leading to Severe Influenza A Virus ...**

File Format: PDF/Adobe Acrobat - View as HTML

Searching of Main Cause Leading to Severe Influenza A Virus Mutations and Consequently to Influenza Pandemics/Epidemics. Guang Wu and Shaomin Yan ...

www.flu.org.cn/ upfiles/ attachment/ 20061010102536664.pdf - Similar pages

**Story of open access journals**

Searching of Main Cause Leading to Severe Influenza A Virus Mutations and Consequently to Influenza Pandemics/Epidemics ...

doaj.org/ abstract/? id=175688& toc=y - 10k - Cached - Similar pages

To show you the most relevant results, we have omitted some entries very similar to the 3 already displayed. If like, you can **repeat the search with the omitted results included**.
Using DOAJ for harvesting Metadata

**Service provider:**
- Commercial aggregator,
- OpenURL-provider,
- Library (OPAC and/or ERM)

OAI-PMH or other protocols → DOAJ → Harvesting/fetching metadata
How can I get journal metadata from DOAJ?

The DOAJ service supports the OAI protocol for metadata harvesting (OAI-PMH). Thus, any other service can obtain records from DOAJ for inclusion in their collection. OAI is well established, and easy to use. The base URL is: http://www.doaj.org/oai.

You can add most OAI verbs and other commands directly on that. A few examples:

Verb: Identify
http://www.doaj.org/oai?verb=Identify

Verb: ListMetadataFormats
http://www.doaj.org/oai?verb=listMetadataFormats

Verb: ListRecords&from=2004-01-01&metadataPrefix=oai_dc

From these URLs you’ll get both an idea of what OAI is, and much of our metadata. See also our example.

You have also the possibility to download the list of records in DOAJ in a comma separated format. Then you can import the file to Excel or some other software to use the records further. Do as follows:

- Download the file from http://www.doaj.org/doaj?func=csv to your own computer
- Open e.g. Excel
- Go to the menu Data -> Get External Data -> Import Text File
- From there you can choose how you want the spread sheet to look like e.g., delimited-> Comma -> General

How do I get article level metadata from DOAJ?

The article level metadata can be harvested using OAI protocol. The base URL is: http://www.doaj.org/oai/article.

Use OAI verbs and other command options directly on that.

Example:
Verb: ListRecords&from=2004-07-01&metadataPrefix=oai_dc

Do you have any restrictions for the use of your metadata?
### 网络数据库一览表

请自觉遵守国家知识产权法，合理使用数据库资源。

<table>
<thead>
<tr>
<th>数据库名称</th>
<th>简介</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>中西日俄文期刊联合目录库</strong></td>
<td>该库揭示了全国499个文献情报机构收藏的94744种期刊的馆藏情况，读者可通过数据库查询了解所需期刊在哪个图书馆馆藏，并可通过数据库中的馆藏单位信息窗口直接向收藏单位提出原文传递（复印）的请求。</td>
</tr>
<tr>
<td><strong>中科院文献情报中心西文文献数据库</strong></td>
<td>以我馆收藏的西文科技期刊和西文会议录为基础，快速报道期刊篇名目次、文摘、会议论文目次、文摘等信息，数据库起始年为1998年，报道时差为期刊到馆周期，年数据量25万条，目前已累计数据100余万条</td>
</tr>
<tr>
<td><strong>中科院学位论文文摘数据库</strong></td>
<td>报道和揭示中国科学院培养毕业学生的硕士博士论文和博士后报告的内容，著录内容有题名、论文作者、学位信息、中英文关键词、作者中英文简历、导师信息等，收录年代从1980年到2001年，现有数据2万条以上</td>
</tr>
</tbody>
</table>

### 全文类型数据库

- **CSDL**
- **DOAJ**
ροσθήκη νέων τίτλων του DOAJ (Directory of Open Access Journals)


-06-2004

Προσθήκη νέων τίτλων του DOAJ

Προσθήκη νέων τίτλων του DOAJ
Alphabetic Index

0-9ABCDEFGHIJKLMNOPQRSTUVWXYZ

- D Wilson (2004 - )
  - D-Lib Magazine
  - D-Lib Magazine Wilson (2000 - )
  - DARE: Designing Augmented Reality Environments ACM (Association for Computing Machinery) (2000 only)
  - DARU DOAJ (Directory of Open Access Journals) (2005 - )
  - DATE: Design, Automation, and Test in Europe ACM (Association for Computing Machinery) (1998 - )
  - Dados DOAJ (Directory of Open Access Journals) (1996 - )
  - Dance Chronicle Taylor & Francis (2001 - )
  - Danish Medical Bulletin DOAJ (Directory of Open Access Journals) (2005 - )
  - Data & Knowledge Engineering Elsevier (ScienceDirect) (1985 - )
  - Data Mining and Knowledge Discovery SpringerLink (formerly Kluwer) (1997 - )
  - Data Processing (continued as Information and Software Technology) Elsevier (ScienceDirect) (1981 - 1996)
  - Data Science Journal DOAJ (Directory of Open Access Journals) (2002 - )
directory of open access journals

Directory of Open Access Journals offers organized, searchable links to free, full text, quality controlled scientific and scholarly journals.

doa.org - 8k - Cached - Similar pages
- New titles - www.doaj.org/new
- Health Sciences - www.doaj.org/jhbs?cpid=30
- Questions and Answers - www.doaj.org/articles/questions
- Search articles - www.doaj.org/findarticles
- More results from www.doaj.org

Directory of Open Access Journals

Journals - New titles - Find articles - Suggest a journal - About - FAQ - News - Subscription - Contact - Support DOAJ - For journal owners ...

doa.org/findjournals - 7k - Cached - Similar pages
- 3 results from www.doaj.org

Jemicy Leadership - The Online Journal

Jemicy Journal of Academic Leadership is aimed at all in the academy who care ... and encourages open dialogue about these and similar questions.

academicleadership.org - 28k - Cached - Similar pages

Jers Online Journal - Presenting innovative theories in art ...

Jers Online Journal presents innovative theories in art ...

academicleadership.org - 28k - Cached - Similar pages

Professional Journal of the United States Air Force

Professional Journal of the United States Air Force: "The professional flagship publication of the United States Air Force".

aipjournal.mil/airpower/online/journal - 6k - Cached - Similar pages

American Communication Journal

American Communication Journal is the premier online scholarly refereed journal dedicated to the study of communication, sponsored by the American Communication Association.
So far …

• Global visibility and dissemination of records
  – Integrated in OPAC’s in many, many libraries
  – Several service providers are linking to DOAJ
  – Integrated in the services of aggregators (Serial Solutions, Ullrichs, Ebsco, OVID etc.)
  – And OpenURL-providers (Exlibris etc.)
• Frequently referred to as the most important listing
New functionality and developments in the pipeline!

- Service for authors: ”where can I publish in OA and what are the conditions??”
- Integration of OA-articles from hybrid journals
- Working with journals to enable them in providing OAI-compliant article level metadata
- Secure long term funding:
  - Donations programme is launched
New service for authors

• **Where** can I publish in Open Access?
  – **Gold** (Open Access or Hybrid Journals)
    • Publication charges?
  – **Green** (Selfarchiving)
    • What (pre-/postprints)
  – Cost-Effectiveness
    • Price per article/citation etc.
  – Impact factor(?)
• **Advice** in Intellectual Property Rights Issues
• Integrated in Directory of Open Access Journals (DOAJ)
Welcome to the Directory of Open Access Journals. This service covers free, full text, quality controlled scientific and scholarly journals. We aim to cover all subjects and languages. There are now 2358 journals in the directory. Currently 683 journals are searchable at article level. As of today 107441 articles are included in the DOAJ service.
Welcome to the author service of DOAJ - The Directory of Open Access & Hybrid Journals. Here you can look up where to publish your research as Open Access (OA).
Browse by subject

Subjects › Biology and Life Sciences › Life Sciences › Biotechnology

22 journals belonging to subject: Biotechnology

AgBioForum Open Access
ISSN: 1522936X
Subject: Biotechnology
Publisher: University of Missouri, Columbia, Agriculture & Engineering Department
Language: English
Keywords: agricultural economics, biotechnology, agriculture
Start Year: 1998

American Journal of Biochemistry and Biotechnology Open Access
ISSN: 15533468
Subject: Biochemistry — Biotechnology
Publisher: Science Publications
Language: English
Keywords: life sciences, biochemistry, evolutionary biotechnology, structural biology, molecular biology, cellular biology, molecular medicine, cancer research, virology, immunology
Start Year: 2005

Applied Biochemistry and Microbiology Hybrid journal
ISSN: 00036838
Subject: Microbiology — Biology — Biochemistry — Biotechnology
Publisher: Kluwer
Publishing in Open Access scholarly journals: what are the options?

Q. What is an Open Access journal?
A. An OA-journal uses a funding model that does not charge subscription fees for access. The content is freely available to all.

Q. Why should I publish in an OA journal?
A. Making publications freely available electronically increases their use and the number of times they are cited. By making your publication freely available your impact will grow. See “The effect of open access and downloads (‘hits’) on citation impact: a bibliography of studies” for more information on this. http://opcit.eprints.org/oacitation-biblio.html

Q. What about the quality of OA journals?
A. Scholarly OA journals use the same quality criteria as traditional subscription journals, i.e. external or internal peer-review.

Q. Where do I find OA journals?
A. In the Directory of Open Access Journals. The Directory aims to be comprehensive and cover all open access scientific and scholarly journals that use a quality control system to guarantee the content. A journal is included in the DOAJ only if submitted papers are quality controlled through an editor, editorial board and/or a peer-review system.

Q. What is the author pays model?
A. The publishing cost is paid by the author - when his/her article is accepted by a journal. The article is free to all readers. The “author-pays” model has nothing to do with the fees charged by traditional subscription journals for colour prints and/or tables.

Q. What is a hybrid journal?
A. A journal based on traditional subscription revenues with the author pays model on additional open access publication costs.
## Statistics for the 169 publishers on this list

<table>
<thead>
<tr>
<th>oMEO colour</th>
<th>Archiving policy</th>
<th>Publishers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>green</td>
<td>can archive pre-print and post-print</td>
<td>75</td>
<td>45</td>
</tr>
<tr>
<td>blue</td>
<td>can archive post-print (ie final draft post-refereeing)</td>
<td>42</td>
<td>25</td>
</tr>
<tr>
<td>yellow</td>
<td>can archive pre-print (ie pre-refereeing)</td>
<td>15</td>
<td>9</td>
</tr>
<tr>
<td>white</td>
<td>archiving not formally supported</td>
<td>36</td>
<td>21</td>
</tr>
</tbody>
</table>

Summary: 79% of publishers on this list formally allow some form of self-archiving.
**Publisher copyright policies & self-archiving**

**Journal:** Reading and writing  (ISSN: 0922-4777)
**Publisher:** Springer Science + Business Media

These summaries are for the publishers default policies and changes or exceptions can often be negotiated by authors. Information is correct to the best of our knowledge but should not be relied upon for legal advice.

**Publisher:** Springer Verlag (Germany)
**Pre-print:** ✓ author can archive pre-print (ie pre-refereeing)
**Post-print:** ✓ author can archive post-print (ie final draft post-refereeing)

<table>
<thead>
<tr>
<th>Conditions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Author's own final version can be archived</td>
<td></td>
</tr>
<tr>
<td>• On author's website or institutional repository</td>
<td></td>
</tr>
<tr>
<td>• Published source must be acknowledged</td>
<td></td>
</tr>
<tr>
<td>• Must link to publisher version</td>
<td></td>
</tr>
<tr>
<td>• Set phrase to accompany link to published version</td>
<td></td>
</tr>
<tr>
<td>• Articles in some journals can be made Open Access on payment of additional charge</td>
<td></td>
</tr>
</tbody>
</table>

**Copyright:** [view policy](#)

**RoMEO:** This is a RoMEO **green** publisher

**Update:** [suggest update for this record](#)

---

**Search again?**

**Search**

- ○ Journal titles
- ○ Publisher names

**find**

- ○ contains
- ○ starts with
- ○ Exact phrase only

---

**RoMEO colour** | **Archiving policy**
---|---
**green** | can archive pre-print and post-print
**blue** | can archive post-print (ie final draft post-refereeing)
**yellow** | can archive pre-print (ie pre-refereeing)
**white** | archiving not formally supported
[more on colours and restrictions](#)
<table>
<thead>
<tr>
<th>Journal Cost-Effectiveness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use this search engine to find internationally-published journals and rank them based on various criteria.</td>
</tr>
</tbody>
</table>

### Annual Review of Psychology
- Publ: ANNUAL REVIEWS
- Profit Status: non-profit
- IF: 12.8
- Price per article: 7.16
- Price per citation: 0.51

### Psychological Bulletin
- Publ: AM PSYCHOL ASS
- Profit Status: non-profit
- IF: 7.7
- Price per article: 11.92
- Price per citation: 0.78

### Cognitive Psychology
- Publ: Elsevier
- Profit Status: profit
- IF: 3.98
- Price per article: 35.10
- Price per citation: 4.32

### Personnel Review
- Publ: EMERALD
- Profit Status: profit
- IF: 0
- Price per article: 360.09
- Price per citation: 744.52

[www.journalprices.com](http://www.journalprices.com)
We would like to thank all who send us journal suggestions. We appreciate the contribution to make DOAJ as complete and updated as possible.

We look forward to further collaboration with other libraries, organisations and people who want to contribute to the further work in making open access journals more visible.
Part II
Integration of Open Access content in our library services
Promoting Open Access content in our library services

• Now that we have convinced so many researchers to publish in Open Access

• Now that many (not for profit) publishers are considering Open Access publishing

Then

• We have to do whatever we can to expose the Open Access content to the eyes of our users!!

How do we do that??
OA-content from subject or institutional repositories

• Examples:
  – OAIster –
    http://oaister.umdl.umich.edu/o/oaister/
  – BASE – Bielefeld Academic Search Engine -
    http://www.base-search.net/
  – SHERPA Search -
    http://www.sherpa.ac.uk/repositories/sherpasearch.html
OA-content from OA-journals

- **Subscription agents:**
  - Some subscription agents like Swets, Ebsco etc. offer inclusion of Open Access Journals in their services
  - If not – ask for it!!

- **ERM-providers:**
  - Electronic Resource Management providers should as well offer inclusion of Open Access Journals in their services
  - If not – ask for it!!

- **OpenURL-providers**
  - OpenURL-providers (like Exlibris, Endeavour, Innovative Interfaces etc) offer inclusion of Open Access journals in their knowledge bases
  - If not – ask for it!!

- **Library Consortia & Cooperatives:**
  - Library Consortia & Cooperatives could share the work and facilitate inclusion of Open Access journal records in their OPACs and other services.
Going one step further

• It is good that Open Access Journals are visible on title level in A-Z title lists, in the OPAC etc., but…

• What we really would like to see is that OA-content from OA-journals and from OA-repositories is exposed to our users completely integrated with the content from commercial and not-for-profit toll access publishers.

• This is what we try to accomplish in Lund!
Adressing the problems

• The problems:
  – Numerous databases and journal providers
    – numerous interfaces
  – Several thousand e-journals difficult to find
  – Portals provided by subscription agents
    and journals publishers are not invented primarily to accommodate end user needs
    but more to generate their business.
Finding information

- **Library branding is very important**
  - users often believe that full-text e-journals are free on the Internet!
  - ”If it is not on the web, it does not exist”
- **We want to brand our services and promote Open Access resources**
Publisher trap?
Our answer to the demand for integration of OA-content in modern library services

ELIN@ - an interface to hybrid library resources developed by a library for libraries
Organising end user access

• The goals:
  – Integration of all services
  – Development of personalized services
  – Branding of library services

• Principles:
  – Single sign on – automatic authentication – one login/password to all resources
  – Remote access
Welcome to ELIN

ELIN: Electronic Library Information Navigator integrates data from several publishers, databases and e-print open archives.

2006-08-29: 3.7 million records from Elsevier (volumes older than 1995) have been added to ELIN@Lund and are now searchable in Articles.

ELIN service allows you to search documents from multiple sources using one single user-friendly interface.

In ELIN:

- You can get an overview of all online resources recommended by the libraries.
- You can cross search among different type of documents from different providers using one single user-friendly interface.
- You can request all articles available in full text.
- You can browse table-of-contents.
- You can download bibliographic data in other formats, e.g. for EndNote or Reference Manager.
- An alert system automatically notifies you about new documents matching your saved query.
- An alert system automatically notifies you about new issues of your favorite journals.

Notice for users: This service includes licensed data, which is solely for scholarly, research, educational and personal use. Altering, recompiling, systematic or programmatic copying, reselling, redistributing, publishing or republishing of data is not allowed.

Copyright © 2006 ELIN® is a registered trademark of Lund University Libraries, Head office.
1. An Architecture for the Aggregation and Analysis of Scholarly Usage Data
   Authors: Bolten Johan; VandeSompel Herbert
   Year: 2006 Provider: arxiv
   Fulltext | Add to collection

2. Search Engine Coverage of the OAI-PMH Corpus
   Fulltext | Add to collection

3. Representing digital assets using MPEG-21 Digital Item Declaration
   Authors: Bekaert, Jeren; Kooning, Emiel De; Sompel, Herbert van de
   Fulltext | Add to collection

4. Metadata harvesting in regional digital libraries in the PIONIER network
   Authors: Mazurek, Cezary; Stroinski, Maciej; Werla, Marcin; Weglarz, Jan
   Journal: Campus-Wide Information Systems Year: 2006 Volume: 23 Issue: 4 Pages: 241-253 Provider: Catchword
   Fulltext | Add to collection
7. Japanese Virtual Observatory (JVO) as an advanced astronomical research enviroment
Authors: Shirasaki Y.; Tanaka M.; Kawanomoto S.; Honda S.; Ohishi M.; Mizumoto Y.; Yasuda N.; Masunaga Y.; Ishihara Y.; Tsutsumi J.; Nakamoto H.; Kobayashi Y.; Sakamoto M.
Year: 2006 Pages: 13 Provider: arXiv
Fulltext | Add to collection

8. Metadata aggregation and 'automated digital libraries': A retrospective on the NSDL experience
Authors: Lagoze Carl; Krafft Dean; Cornwell Tim; Dushay Naomi; Eckstrom Dean; Saylor John
Year: 2006 Provider: arXiv
Fulltext | Add to collection

9. CDSware (CERN Document Server Software)
Authors: Sitas, Anestis
Journal: Library Hi Tech Year: 2006 Volume: 24 Issue: 3 Pages: 420-429 Provider: Catchword
Fulltext | Add to collection

10. The convergence of digital libraries and the peer-review process
Authors: Rodriguez Marko A.; Bollen Johan; Van de Sompel Herbert
Fulltext | Add to collection

11. Using OAI-PMH and METS for exporting metadata and digital objects between repositories
Authors: Bell, Jonathan; Lewis, Stuart
Fulltext | Add to collection

12. From education to e-learning: a union catalog service of learning resources
Authors: Pei-Xian Kuo; Jyun-Jie Yan; Jan-Ming Ho
Fulltext | Add to collection

13. Integrated Application of Metadata and OAI-PMH to Digital News Archive
Authors: Sinn-Cheng Lin; Pei-Shiou Kang
Fulltext | Add to collection
Title
Integrated Application of Metadata and OAI-PMH to Digital News Archive

Authors
Sinn-Cheng Lin; Pei-Shiun Kang

Abstract
This paper studies the metadata integration problem between the Taiwan Baseball News Database and the Union Catalog of National Digital Archives Program. First, we design a metadata transformation system which can transform the news articles to four popular metadata formats: DC, NITF, RSS and DAC. The system not only supports metadata transformation but also RSS subscription and batch exportation. For Union Catalogue, secondly, based on the OAI-PMH architecture, the digital news archives plays a role as Repository, and then we extend the system to a Data Provider. It can be queried by any Service Provider, parse the Verbs, and then respond the Record Sets to the Service Provider. Certain metadata format. As a result, the digital news can be delivered more efficiently.

Key words
Digital archive; Metadata; Markup language; Union catalog; OAI-PMH

Journal
Journal of Educational Media & Library Sciences

Publisher
Tamkang University Press

Issn
1013-090X

Year
2005

Volume
43

Issue
1

Pages
49-68

Provider
Tamkang University Press -- DOAJ

Link to this page:
### Journal of Educational Media & Library Sciences

**Publisher:** Tamkang University Press  
**Fulltext:** Yes  
**Journal homepage at remote site:** (2003-) -- Free open access  
**Add to collection**

#### Search this journal:
- **in:** All Fields  
- **Search**

---

**TOC provided by Publisher**

<table>
<thead>
<tr>
<th>Year</th>
<th>Volume-Issue</th>
<th>Pages</th>
<th>Fulltext</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>Volume: 43 Issue: 3</td>
<td>pages (267-374)</td>
<td>Yes</td>
</tr>
<tr>
<td>2005</td>
<td>Volume: 43 Issue: 2</td>
<td>pages (129-266)</td>
<td>Yes</td>
</tr>
<tr>
<td>2005</td>
<td>Volume: 43 Issue: 1</td>
<td>pages (1-127)</td>
<td>Yes</td>
</tr>
<tr>
<td>2005</td>
<td>Volume: 42 Issue: 4</td>
<td>pages (455-576)</td>
<td>Yes</td>
</tr>
<tr>
<td>2005</td>
<td>Volume: 42 Issue: 3</td>
<td>pages (313-449)</td>
<td>Yes</td>
</tr>
<tr>
<td>2004</td>
<td>Volume: 42 Issue: 2</td>
<td>pages (157-312)</td>
<td>Yes</td>
</tr>
<tr>
<td>2004</td>
<td>Volume: 42 Issue: 1</td>
<td>pages (1-155)</td>
<td>Yes</td>
</tr>
<tr>
<td>2004</td>
<td>Volume: 41 Issue: 4</td>
<td>pages (431-581)</td>
<td>Yes</td>
</tr>
<tr>
<td>2004</td>
<td>Volume: 41 Issue: 3</td>
<td>pages (283-429)</td>
<td>Yes</td>
</tr>
<tr>
<td>2003</td>
<td>Volume: 41 Issue: 2</td>
<td>pages (139-281)</td>
<td>Yes</td>
</tr>
<tr>
<td>2003</td>
<td>Volume: 41 Issue: 1</td>
<td>pages (1-138)</td>
<td>Yes</td>
</tr>
<tr>
<td>2003</td>
<td>Volume: 40 Issue: 4</td>
<td>pages (409-566)</td>
<td>Yes</td>
</tr>
<tr>
<td>2003</td>
<td>Volume: 40 Issue: 3</td>
<td>pages (271-406)</td>
<td>Yes</td>
</tr>
<tr>
<td>Title</td>
<td>Remove from collection</td>
<td>Add/Edit a note</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------------------</td>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td>Computers in Libraries Conference, Washington, DC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content in institutional repositories: a collection management issue</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional Repositories: Essential Infrastructure For Scholarship In The Digital Age</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional repositories: the library's new role</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrated Application of Metadata and OAI-PMH to Digital News Archive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OAI compliant institutional repositories and the role of library staff</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Open access to scientific publications - an analysis of the barriers to change</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performance, Processes and Costs: Managing Service Quality with the Balanced Scorecard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The DAEDALUS project, developing institutional repositories at Glasgow University: the story so far</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The early molecular response to imatinib predicts cytogenetic and clinical outcome in chronic myeloid leukaemia</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

My search queries and ELIN article alert

<table>
<thead>
<tr>
<th>Query</th>
<th>Remove from collection</th>
<th>Add/Edit a note</th>
</tr>
</thead>
</table>
**My journals and table of content alerts**

<table>
<thead>
<tr>
<th>Journal Details</th>
<th>Collection Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dados - Revista de Ciencias Sociais</td>
<td>Delete from Collection</td>
</tr>
<tr>
<td>Library and Information Science Research</td>
<td>Delete from TOC alert</td>
</tr>
<tr>
<td>Library Consortium Management: An International Journal</td>
<td>Add/Edit a note</td>
</tr>
<tr>
<td>Library Hi Tech</td>
<td></td>
</tr>
<tr>
<td>Library Management</td>
<td></td>
</tr>
<tr>
<td>portal: Libraries and the Academy</td>
<td></td>
</tr>
<tr>
<td>The Bottom Line: Managing Library Finances</td>
<td></td>
</tr>
<tr>
<td>The Electronic Library</td>
<td></td>
</tr>
<tr>
<td>The International Information &amp; Library Review</td>
<td></td>
</tr>
</tbody>
</table>

**My ebooks**

**My databases & links**

<table>
<thead>
<tr>
<th>Database Details</th>
<th>Info</th>
<th>Collection Options</th>
<th>Add/Edit a note</th>
</tr>
</thead>
<tbody>
<tr>
<td>LISA: Library &amp; Information Science Abstracts (CSA)</td>
<td>info</td>
<td>Delete from collection</td>
<td>Add/Edit a note</td>
</tr>
</tbody>
</table>

**My personal links**

<table>
<thead>
<tr>
<th>Link Details</th>
<th>Add link</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ELIN@ - systems architecture
Integration of Library Services – Towards the one stop shop

- OPAC – printed collections
- Databases, encyclopedias, reference works etc.
- Electronic journals
- Open access resources
  - Open Access Journals
  - E- & preprint archives, institutional repositories
  - Subject gateways
Personalization

• "My Library"
  – Recommended resources – selected by subject librarians
  – Add your personal favourites
• SDI-alerts from databases, journals etc.
• TOC-alerts
• Users register at one site for all alerts
ELIN@ - Electronic Library Information Navigator

• Advantages for end users:
  – One interface for all content
  – Cross search documents from multiple sources – open access or licensed
  – Document delivery services for documents not available in Full Text
  – ToC alerts and SDI´s
  – Integration with reference management tools
Advantages for librarians:

- Enhancing availability and visibility of scientific literature
- Increasing e-journal cost efficiency – Usage is boosting

Administrative functions/Management tools:

- Customization, Statistics, Collection Management, Budgeting, Marketing
- Subscription administration functionalities
Contents (Oct 2006)

- +15,600 journals, whereof
- +14,400 journals with metadata (cross searchable on article level)
- +34,000,000 article level records
- Databases
- E-print archives
ELIN@ -partners

- 9 universities & university colleges in Sweden
- Nordic Asian Institutes
- Aarhus Business School, Denmark
- University of Gent, Belgium
- Makarere University, Uganda
- National University of Rwanda
- Vietnam: Legal departments
- 10 universities in Pakistan – 90 more in the pipeline
- In the pipeline:
  - African Virtual University
  - Cuba
  - Ghana
Electronic Library Information Navigator (ELIN@)

The development of the ELIN@PERI application and pilot implementation is being undertaken during 2004-2006. Initially the project will involve software development and modification by Lund University Library, then training and pilot implementation in a small number of selected PERI partners, followed by a review and evaluation period. Once these three stages have been completed, a decision will be made on extending the project and releasing the application under an open source license.

- **News and latest developments**
  - ELIN@ pilot review
  - Background to the development of ELIN@
  - Benefits of ELIN@
  - ELIN@PERI developments
  - What ELIN@ means for the end user and their institution
  - Pilot system objectives
  - Technical overview
  - What an ELIN@PERI screen might look like
  - Virtual tour of ELIN@Lund [This is included as an MS Word document that is 988Kb in size (compressed using WinZip) and may take some time to download over a slow connection.]

For more information contact Martin Beicher at INASP (mbelcher@inasp.info). Section last updated: 11 October 2006
Thank you for your attention!
Links

- DOAJ – [www.doaj.org](http://www.doaj.org)
- Donations to DOAJ – [www.doaj.org/articles/donation](http://www.doaj.org/articles/donation)
- Information on the ELIN@ system [http://www.lub.lu.se/headoffice/elininfo.shtml](http://www.lub.lu.se/headoffice/elininfo.shtml)

Lars Björnshauge – lars.bjornshauge@lub.lu.se