Rethinking Collections: Libraries and Librarians in an Open Age

A Theoretical View

Heather Morrison

The Imaginary Journal of Poetic Economics

http://poeticeconomics.blogspot.com

First International PKP Scholarly Publishing Conference
July 11-13, 2007, Vancouver, BC
Overview

• Now
  – How much open access?
  – Snapshots of the universe of scholarly communication

• The future: some thoughts

• Transitioning: the evolution
  - vision & mission
  - economics
  - reorganization

• Questions?
More than 10% of peer-reviewed journals are OA (July 2007)

<table>
<thead>
<tr>
<th>Total Peer-Reviewed Journals</th>
<th>20-25,000</th>
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<tr>
<td>Directory of Open Access Journals doaj.org</td>
<td>2,744</td>
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<tr>
<td><em>Growth: 1.2 titles / day</em></td>
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<tr>
<td>% of peer-reviewed journals that are open access</td>
<td>&gt; 10%</td>
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# Toll / OA Articles July 07

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<th></th>
<th># articles</th>
<th>% STM lit.</th>
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<tr>
<td>Science Direct (TA)</td>
<td>8.4 million</td>
<td>¼</td>
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<td>sciencedirect.com</td>
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<tr>
<td>Scientific Commons (OA)</td>
<td>15.7 million</td>
<td>½?</td>
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<td>scientificcommons.org</td>
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PubMed Central (PMC) is the U.S. National Institutes of Health (NIH) free digital archive of biomedical and life sciences journal literature.


Managed by: National Center for Biotechnology Information in the US National Library of Medicine
Is Peer Review a formality? Papers read and comments to authors before submission for publication?
Open Data: Pangaea.de

About

PANGAEA - Publishing Network for Geoscientific & Environmental Data is a public digital library for science aimed at archiving, publishing and distributing georeferenced data with special emphasis on environmental, marine and geological basic research. Data can be retrieved by the PANGAEA search engine or through links on web pages. The Advanced Retrieval Tool (ART) is designed for data mining and to retrieve and download individually configured data sets. Most of the data are freely available and can be used by referencing the related publication or the dataset citation. Some data sets are from ongoing projects and access may be restricted. The data description of any data set includes the principle investigators (PI) name and email for contact.

PANGAEA is open to any project or scientist to archive and publish data!

PANGAEA guarantees long-term availability of scientific primary data related to publications. Each dataset can be identified, shared and published by a persistent Digital Object Identifier (DOI). In addition a full citation for sets of data can be defined on request. Citations are available through the catalog of the German National Library of Science and Technology (TIB). Archiving follows the Recommendations of the Commission on Professional Self Regulation in Science for safeguarding good scientific practice.

The system is operated in the sense of the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities which is a follow up to the Budapest Open Access Initiative.

528,128 records: July 2007
Institutional Repository:
CERN Document Server
http://cdsweb.cern.ch/

CERN Document Server
Over 800,000 bibliographic records, including 360,000 full text documents, of interest to people working in particle physics and related areas. Covers preprints, articles, books, journals, photographs, and much more.

Managed by CERN Library
Collections of conference webcasts

CERN workshop on Innovations in Scholarly Communication (OAI5)
18-20 April 2007

Home > Workshop Announcements

Please return to this page for further announcements.

03 May 2007: Webcast files are now available for each presentation from the program page.

25 April 2007: The conference feedback form is available! Thank you in advance for completing it.

25 April 2007: As part of OAI5 - the 5th Workshop on Innovations in Scholarly Communication, held at the CERN Laboratories in Geneva, Switzerland, the SHERPA partnership was presented with the 2007 SPARC Europe Award for Outstanding Achievements in Scholarly Communications... Read more in the press release.
Scholarly blogs

Peter Suber’s Open Access News
http://www.earlham.edu/~peters/fos/fosblog.html
Saturdays, June 30, 2007

Dramatic Growth of Open Access June 2007 Update

The Dramatic Growth of Open Access continues, on both the gold (open access publishing) and green (open access self-archiving) roads. Some noteworthy highlights: PubMedCentral, the world's largest open access archive, noted a significant milestone on June 21: the millionth article (thanks to Peter Suber on Open Access News. An OAister search now includes close to 12 million items, an increase of over 4 million items.

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Digital heritage collections

Imagine a country...

- where every citizen has the opportunity to access its online cumulative cultural heritage.
- which is able to harness the will and energy of every library, archive, gallery, museum, historical society or institute of record to create a comprehensive collection of digital resources for the benefit of its citizens.
- committed to eliminating barriers of access, not only physical but geographical.
- where urban and rural areas are as one, and where the official motto "A Mari usque ad Mare" (from sea to sea) represents a statement of purpose and not simply of space.

Alouette Canada  alouettecanada.ca
Academic & public libraries, museums, archives
The “Item” of the Future

funding agency research portfolio
authors’ works
authors’ home page
university home page
conference webcasts
fulltext of works citing

fulltext of works cited
preprint
grant application scholars’ comments lab notes

peer-reviewed article research data
Disciplinary Repository Journal and database(s)
newspaper / magazine articles

a series of overlapping collections, with links...
E-Portfolios

- Scholar’s works - many formats
- University output (IR)
- Funding agency output
- Research assignment - handed in with the works cited (not citations - the works!)
Library collection of the future

• Data
• Open Access Archives
• Digital Collections
• Articles & Books: Electronic & Print
• Multimedia
• Links and linked works
• Special Collections
• E-Portfolios
• Scholarly Blogs
• Wikis…
Issues for library collections in the future

• Preservation of electronic collections in many formats
• Preservation of links and linked items
• Selection criteria
• Ensuring access, or, is one copy of an item in a faraway country good enough?
Search tools

• artificial intelligence techniques
  – data mining
  – More sophisticated queries

• controlled vocabulary and collections (e.g. PubMedCentral, arXiv)
Key Collections Issues

• Transitioning to open access
• Collecting and preserving electronic information in many formats
• Multiple copies for security of access
Librarian roles

• Planning, collecting, preserving, and making accessible: scholarly output of various types

• Reference question: from
  – where can I find info? To:
  – how do I know I’m not missing something essential?

• Instruction: resources, and how to access them
Transitioning: A simple vision statement

The purpose of our library is to support the scholarly communications needs of faculty and students.

- Collections through purchase
- Building open access collections
Transitioning: suggested key goals

- Plan for evolutionary change
- Economic support for open access
- Smart support
  - Cost effective solutions
  - Open Access, not Free Access
  - Change in the right direction
- Support the dissemination of scholarly output of our organizations
Support Open Access (not free access)
Budapest Open Access Initiative
http://www.soros.org/openaccess/index.shtml

• permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose

• Author attribution
Transitioning: journals

- Free hosting & basic technical support for open access publishing by faculty
- Encourage & support - or develop - open access publishing cooperatives our faculty are, or could be, involved in
Transitioning: journals

- Negotiate steps towards open access with subscriptions licenses
  - Author’s rights
  - Combined subscriptions / open choice
  - Quality & Quantity clauses for journals not in transition
- Prioritize support for journals in transition - all else being equal, keep the journal that allows self-archiving
Economics: cost per article

- Most OA journals do not charge article processing fees
- Average cost /article key to cost-effectiveness
Economics: article processing fees

• Payers:
  – Funding agencies
  – Departments
  – Library Budgets
  – Other
    • special university budgets?
    • Subsidy - government, membership?
Article Processing Fees & Library Coordination

• Coordination - invoicing efficiencies for:
  – Research producers (e.g. funding agencies, universities)
  – Open access publishers

• Why the library?
  – Our knowledge (e.g. what is open access)
  – Facilitate transition from subs to OA
  – Hybrid publishers: facilitate combined APF / subscriptions negotiations
  – Position the library for an open access future
Article Processing Fees: Library vs. Department / Faculty Budget

• Department / Faculty payment advantages
  – Faculty awareness of costs of publishing
  – Market incentive to moderate costs
  – Disincentive to excessive focus on quantity of publication (e.g. least publishable bits)

• Library Budget advantages
  – Minimize faculty resistance
  – Facilitates gradual transition subs to OA

• Combined cost-sharing approach
APF Approval Plan? Based on

- Quality of Publishing (Library / Faculty Committee?)
- True open access
- Cost-efficiency / cost-sharing, e.g.
  - OA publishers’ membership / discount plans
  - Cap library contribution
  - Sliding scale? E.g.:
    - 100% up to $750
    - 60% up to $1,500
    - 50% up to $2,000
Reorganizing for change

• Engage staff in change towards exciting new roles in an OA future, e.g.:
  • Copyright officers ⇒ author’s rights consultants
  • Interlibrary loans ⇒ institutional repository
  • Reference / liaison ⇒ Includes scholarly communications
Conclusions

• Begin with the vision
• The library can play a key role into the future
• Transition can be evolutionary
• Support change - with caution
  – True open access
  – Cost-efficient solutions
• Library hosting & technical support for OA journals
• Coordinating role in APF invoicing
• Reorganize for OA
Questions?

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