

*Rethinking Collections:*  
Libraries and Librarians in an  
Open Age

A Theoretical View

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*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)

|  |                  |
|--|------------------|
| <b>Total Peer-Reviewed Journals</b>  | <b>20-25,000</b> |
| <b>Directory of Open Access Journals doaj.org</b><br><i>Growth: 1.2 titles / day</i> | <b>2,744</b>     |
| <b>% of peer-reviewed journals that are open access</b>                              | <b>&gt; 10%</b>  |

# Toll / OA Articles July 07



[Home](#) | [Browse](#) | [My Settings](#) | [Alerts](#)

**Quick Search** Title, abstract, keywords   
 ? search tips Journal/book title

**Browse** 8,433,748 Articles **Why**  
 Browse by title  
 A | B | C | D | E | F | G | H | I | J | K | L | M  
 N | O | P | Q | R | S | T | U | V | W | X | Y | Z  
 Register  
 If you would



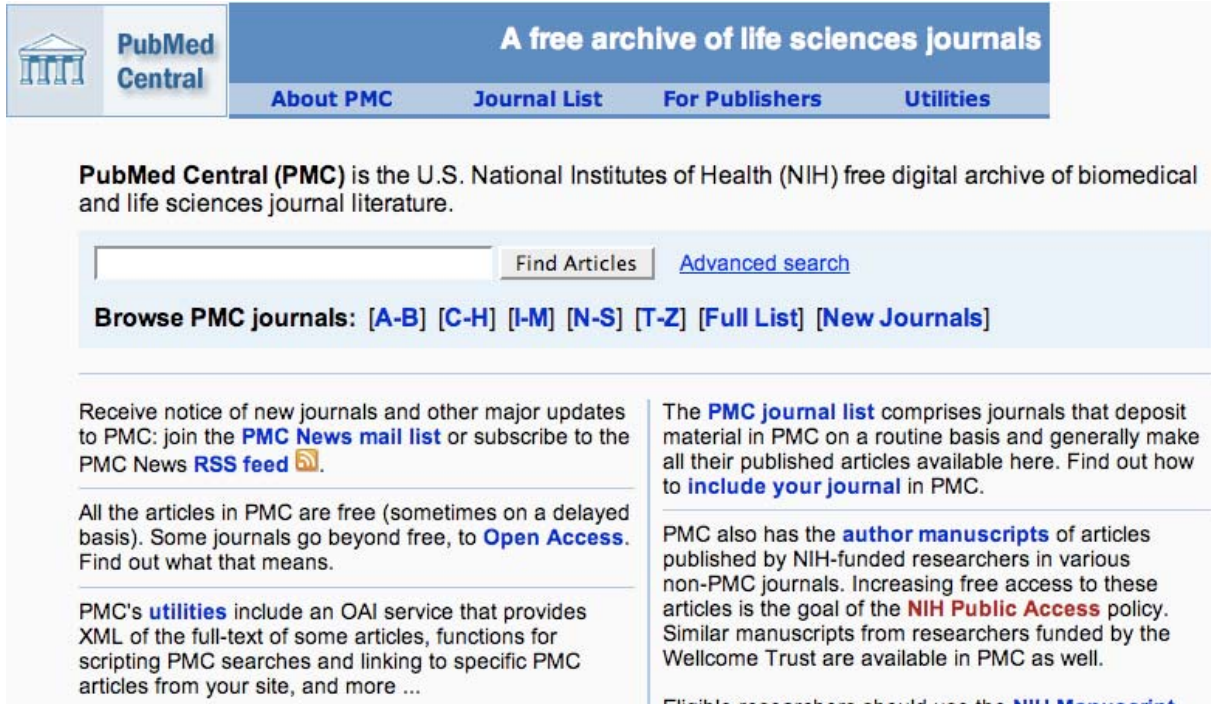
## Scientific Commons

### Details at a Glance

|              |          |
|--------------|----------|
| Publications | 15757804 |
| Authors      | 6777341  |
| Repositories | 869      |

|  | # articles          | % STM lit.  |
|--|---------------------|-------------|
| <b>Science Direct (TA)</b><br><b>sciencedirect.com</b>         | <b>8.4 million</b>  | <b>1/4</b>  |
| <b>Scientific Commons (OA)</b><br><b>scientificcommons.org</b> | <b>15.7 million</b> | <b>1/2?</b> |

# PubMed Central [pubmedcentral.nih.gov](http://pubmedcentral.nih.gov)



The screenshot shows the PubMed Central website interface. At the top left is the PubMed Central logo, which includes a classical building icon and the text 'PubMed Central'. To the right of the logo is a blue navigation bar with the text 'A free archive of life sciences journals' and four menu items: 'About PMC', 'Journal List', 'For Publishers', and 'Utilities'. Below the navigation bar is a main content area. It starts with a paragraph: 'PubMed Central (PMC) is the U.S. National Institutes of Health (NIH) free digital archive of biomedical and life sciences journal literature.' This is followed by a search bar with a 'Find Articles' button and a link to 'Advanced search'. Below the search bar is a section for browsing journals, with links for '[A-B]', '[C-H]', '[I-M]', '[N-S]', '[T-Z]', '[Full List]', and '[New Journals]'. The bottom section of the screenshot is divided into two columns of text. The left column contains three paragraphs: one about joining the 'PMC News mail list' or subscribing to the 'PMC News RSS feed', one stating that all articles are free (sometimes on a delayed basis) and some go beyond free to 'Open Access', and one mentioning 'utilities' like OAI service and XML of full-text. The right column contains two paragraphs: one about the 'PMC journal list' comprising journals that deposit material in PMC, and another about 'author manuscripts' of articles published by NIH-funded researchers, noting that increasing free access is the goal of the 'NIH Public Access' policy.

**PubMed Central (PMC)** is the U.S. National Institutes of Health (NIH) free digital archive of biomedical and life sciences journal literature.

Find Articles [Advanced search](#)

Browse PMC journals: [\[A-B\]](#) [\[C-H\]](#) [\[I-M\]](#) [\[N-S\]](#) [\[T-Z\]](#) [\[Full List\]](#) [\[New Journals\]](#)

Receive notice of new journals and other major updates to PMC: join the [PMC News mail list](#) or subscribe to the PMC News [RSS feed](#).

All the articles in PMC are free (sometimes on a delayed basis). Some journals go beyond free, to [Open Access](#). Find out what that means.

PMC's [utilities](#) include an OAI service that provides XML of the full-text of some articles, functions for scripting PMC searches and linking to specific PMC articles from your site, and more ...

The [PMC journal list](#) comprises journals that deposit material in PMC on a routine basis and generally make all their published articles available here. Find out how to [include your journal](#) in PMC.

PMC also has the [author manuscripts](#) of articles published by NIH-funded researchers in various non-PMC journals. Increasing free access to these articles is the goal of the [NIH Public Access](#) policy. Similar manuscripts from researchers funded by the Wellcome Trust are available in PMC as well.

> 1 million articles <http://www.nlm.nih.gov/news/pmcmillion.html>

Managed by: National Center for Biotechnology Information in the  
US National Library of Medicine

# arXiv.org



Open access to 428,345 e-prints in Physics, Mathematics, Comp  
Subject search and browse:

8 Mar 2007: [arXiv identifier change scheduled for 1 April 2007](#).  
See cumulative "What's New" pages.  
**Robots Beware:** [indiscriminate automated downloads from this](#)

## Physics

- [Astrophysics](#) ([astro-ph new](#), [recent](#), [find](#))
- [Condensed Matter](#) ([cond-mat new](#), [recent](#), [find](#))  
includes: [Disordered Systems and Neural Networks](#); [Mater Other](#); [Soft Condensed Matter](#); [Statistical Mechanics](#); [Stror](#)
- [General Relativity and Quantum Cosmology](#) ([gr-qc new](#), [r](#)
- [High Energy Physics - Experiment](#) ([hep-ex new](#), [recent](#), [fi](#)
- [High Energy Physics - Lattice](#) ([hep-lat new](#), [recent](#), [find](#))

- Daily Usage: July 7  
> 250,000 connections
- Is Peer Review a formality? *Papers read and comments to authors before submission for publication?*

# Open Data: Pangaea.de



**PANGAEA®**  
Publishing Network for Geoscientific & Environmental Data

You are not logged in ([LOG IN](#))

## 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/>



The screenshot shows the CERN Document Server homepage. At the top, there is a navigation bar with the CERN Document Server logo on the left and a 'guest :: login' link on the right. Below the logo, there are several menu items: Search, Submit, Convert, Agenda, Webcast, Bulletin, and Library. The main content area features a 'Home' link, the title 'CERN Document Server', and a paragraph stating: 'Over 800,000 bibliographic records, including 360,000 fulltext documents, of interest to people working in particle physics and related areas. Covers preprints, articles, books, journals, photographs, and much more.' Below this is a search section with the text 'Search 903,072 records for:' followed by a search input field, a dropdown menu set to 'any field', and 'Search' and 'Browse' buttons. A link for 'Search Tips :: Advanced Search' is also present. At the bottom, there is a dashed box containing a notice: 'CERN Library News (5th July 2007) Please give your comments on the list of scientific journals proposed for cancellation.'

Managed by CERN Library



# Collections of conference webcasts



[OAI5 Home](#)

[Workshop announcements](#)

[Practical information](#)

▼ [Program](#)

◆ [Timetable](#)

[Presenters profiles](#)

▼ [Registration](#)

◆ [Registration Form](#)

▼ [List of registrants](#)

▼ [Call for Posters](#)

◆ [View the Posters](#)

[Organisation](#)

[Previous OAI workshops](#)

## CERN workshop on Innovations in Scholarly Communication (OAI5)

18-20 April 2007

CERN

[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

## OPEN ACCESS NEWS

News from the open access movement

Saturday, July 07, 2007

Another journal converts to OA

The [British Journal of Healthcare Computing & Information Management](#) has moved to a new publisher ([Birchley Hall Press](#)) and converted to OA at the same time. For more details, see the June 18 [announcement](#).

Birchley Hall Press also publishes the OA journal, [Medical Technology Business Europe](#).

 Posted by Peter Suber at 7/07/2007 06:19:00 PM.

Measuring the "added value" of copy editing

Alma Swan, [What a difference a publisher makes](#), *Optimal Scholarship*, July 7, 2007. Excerpt;

How important, how much, how good? Sometimes it's needed and sometimes it's not. Sometimes it's not even provided. Does it matter? Copy editing, that's what I'm talking about. It's a special little focus of interest at the moment because publishers claim it as an important area of added value and want to demonstrate how much they contribute to the integrity of scholarly literature through providing it, while the proponents of self-archiving counter-claim that the author's final version of an article - the one which contains all the changes advised or required by the peer review process - is a perfectly adequate version to be deposited in a digital repository for open access purposes....

The open access movement: Putting peer-reviewed scientific and scholarly literature on the internet. Making it available free of charge and free of most copyright and licensing restrictions. Removing the barriers to serious research.

New to the concept of open access? See my [Open Access Overview](#).

[Blog, home](#)  
[Peter Suber, home](#)  
[About this blog](#)

This blog is more news than comment. For more comment than news, see my [writings on OA](#).

Links open new windows

Do I owe you an email?

Related pages & services

- [Overview](#)
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Peter Suber's Open Access News

<http://www.earlham.edu/~peters/fos/fosblog.html>

# Scholarly Blogs

## THE IMAGINARY JOURNAL OF POETIC ECONOMICS

IMAGINE A WORLD WHERE ANYONE CAN INSTANTLY ACCESS ALL OF THE WORLD'S SCHOLARLY KNOWLEDGE - AS PROFOUND A CHANGE AS THE INVENTION OF THE PRINTING PRESS. TECHNICALLY, THIS IS WITHIN REACH. ALL THAT IS NEEDED IS A LITTLE IMAGINATION, TO RECONSIDER THE ECONOMICS OF SCHOLARLY COMMUNICATIONS FROM A POETIC VIEWPOINT.

SATURDAY, 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

**Search IJPE**

**Table of Contents**

**IJPE is mostly written by**

**Heather Morrison**

**Comments are moderated. For**

Heather Morrison

The Imaginary Journal of Poetic Economics

<http://poeticeconomics.blogspot.com>

# Digital heritage collections



About | Contribute a Project | Declaration | News | Events

## Search Portal

### News

**2007-Mar-14**

Canada's New Government Supports the Canadian Association of Research Libraries

**2007-Mar-02**

AlouetteCanada welcomes CIDL members

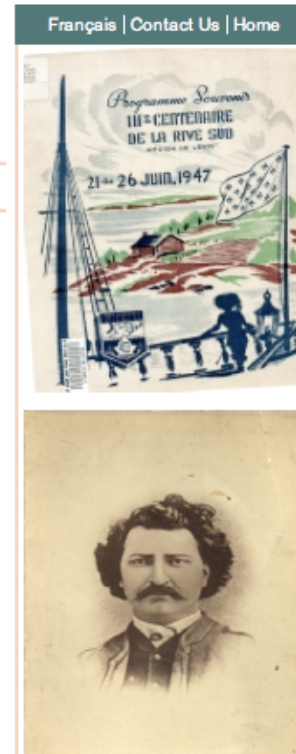
**2006-Oct-16**

Brian Bell appointed Director of AlouetteCanada

### Events

## Imagine a country...

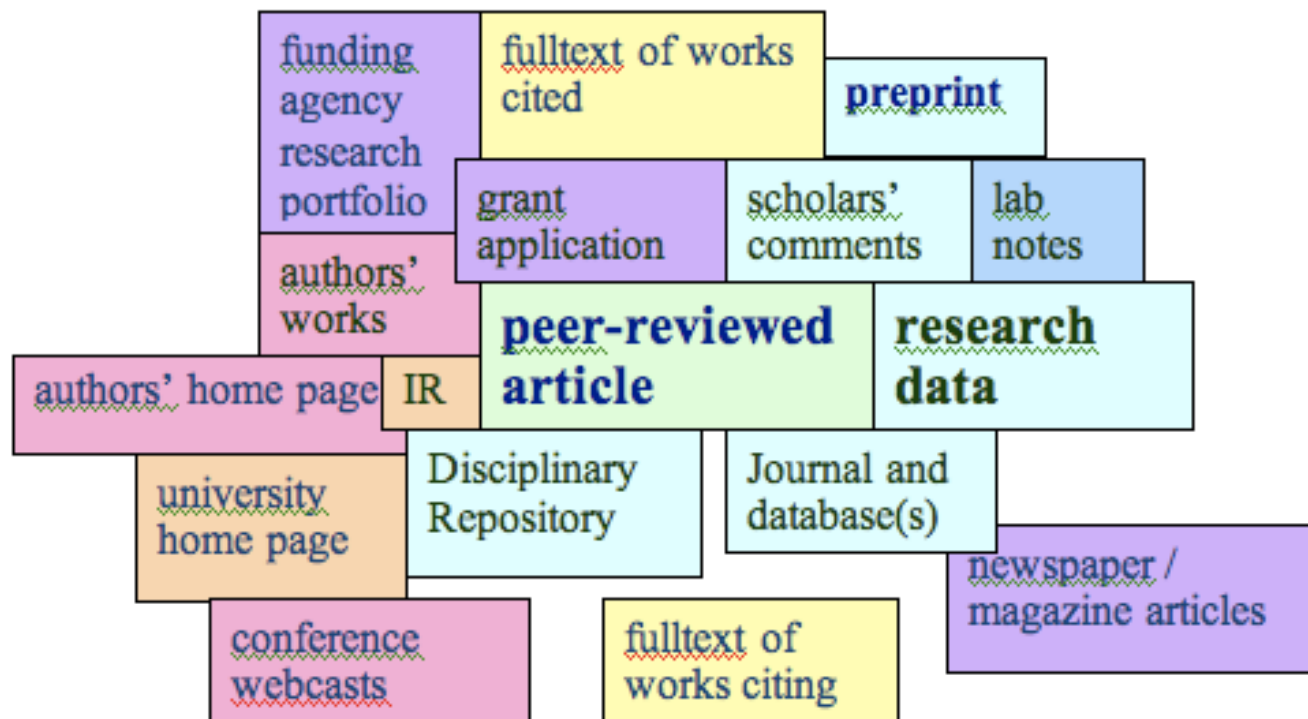
- where every citizen has the opportunity to access its online cumulative cultural heritage.
- which is able to harness the will and energy of every library, archive, gallery, museum, historical society or institute of record to create a comprehensive collection of digital resources for the benefit of 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](http://alouettecanada.ca)

Academic & public libraries, museums, archives

## The “Item” of the Future



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
- Charges more likely with subscription than OA journals (Kaufman-Wills, The Facts About Open Access, ALPSP, 2005  
[http://www.alpsp.org/ngen\\_public/default.asp?ID=200](http://www.alpsp.org/ngen_public/default.asp?ID=200))
- 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  $\Rightarrow$  author's rights consultants
- Interlibrary loans  $\Rightarrow$  institutional repository
- Reference / liaison  $\Rightarrow$  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?

Contact:

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[heatherm@eln.bc.ca](mailto:heatherm@eln.bc.ca)

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