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<td><strong>Author(s)</strong></td>
<td>Chan, L</td>
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<td><strong>Citation</strong></td>
<td>Promoting 21st Century Scholarly Communication, The University of Hong Kong, May 17, 2007</td>
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<td><strong>Issued Date</strong></td>
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<td><strong>URL</strong></td>
<td><a href="http://hdl.handle.net/10722/44098">http://hdl.handle.net/10722/44098</a></td>
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<tr>
<td><strong>Rights</strong></td>
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Promoting 21st Century Scholarly Communication: The Role of Institutional Repositories in the Open Access Movement

University of Hong Kong, May 17-18, 2007

Case Studies of the Integration of Institutional Repositories and Open Access journals

Leslie Chan
University of Toronto Scarborough
Chan@utsc.utoronto.ca
Overview

- Changing landscape of scholarly communication
- Open Access and Public Policy
- International and Canadian context
- IR and what it is
- The multiple uses of IR
- Benefits
Changing landscape of scholarly communication

- Print to electronic, retro-digitization etc.
- Access online resources from the desktop
- Open Access
- Google is king?

But Price and Permission Barriers are still significant
What authors need

- Support for new modes of authorship and dissemination
- Data base storage
- Media integration
- Long term archiving
- Linking research and teaching
- Support for alternative forms of evaluation and reward
Problems

• Researchers/Authors: their work are not as widely disseminated -> lost of research impact
• Researchers/Readers: unable to build on prior research because of the fragmented nature of the literature
• Libraries - unable to provide users with their needs
• Universities - poor stewardship of their faculty’s intellectual output
• Funders - not sure what they have funded and the return on investment
These problems are particularly acute in developing countries
Opportunities created through Open Access

- Integrate knowledge from diverse geographic locations and sources
- Infrastructure for an expanded view of scholarly communication
- New services and business models
- Implementation of Semantic Web technologies

Emergence of E-Science (UK), E-Research (Australia), Cyberinfrastructure (US)

- Large scale data, computing intensive analysis, networked communication

Not just for the sciences, but also for the humanities and social sciences
Great opportunity for developing countries to participate in global knowledge exchange
International Support

• BOAI, February 2002
• Bethesda Statement, April 2003
• Wellcome Trust, October 2003, May 2005
• UK Parliamentary Inquiry, 2004
• Ukrainian Cabinet of Ministers, 2005
• Research Councils UK, 2006
• Academy of Sciences of South Africa, 2006
• US Public Access to Federally Funded Research Act of 2006 (to be re-introduced in 2007)
• European Commission Communiqué, 2007
What Would A 21st Century Research Communication System Look Like?

Goal: Maximizing the impact of research knowledge for society

Realized By: Providing pathways (through individual & institutional connections) for the rapid circulation, effective management & preservation of data, information & knowledge

Guiding Principles:

- All nations should have the capacity to access & contribute to the vitality of the system
- Open access to data, information & knowledge
Canada’s responses

- Canadian Institute of Health Research (CIHR)
- Social Science and Humanities Research Council of Canada (SSHRC)
- Canadian Federation for the Humanities and Social Sciences (CFHSS)
- Canadian Association of Research Libraries (CARL)
- National Research Council (NRC)
- Natural Sciences and Engineering Research Council of Canada (NSHRC)
How to achieve OA

• Open Access Journals
  – Different funding models

• Open Access Repositories
  – Author self-archiving in:
    Institutional
    Subject-base
    Centralized repositories
Institutional Repositories are

- Institution-based
- Capture and make accessible an organization’s intellectual output
- A set of scholarly communication services
- Cumulative & perpetual
- Should be technically open & interoperable (e.g. OAI)
Different use of IR

Examples

- Supporting Local Journal
  - Women’s Health and Urban Life
- Supporting International Journal
  - Archiving of Bioline International
  - Archive defunct journal
- Enabling Digital Scholarship
  - New forms of publications
- Community building- beyond institutions
- Data warehousing
- Teaching resources, Multimedia objects
Researchers post-publication needs

- A place to archive their work
- Data storage and linking
- Permanent identifier for digital content
- Metadata creation
- Aggregation of content - discipline?
- Navigation and discovery tools
- Usage, citation and impact analysis tools
Priority indexing and ranking in search engines


Increasing number of journals are allowing authors to post their publications.

http://romeo.eprints.org
Faculty Benefits

- Increased visibility of research
- Increased citation rates
- Increased readership
- Permanent links
- Copyright is *not* transferred
- Long-term preservation
- Persistent access
- Minimal effort
Office of International Surgery

Community home page

The Office of International Surgery (OIS) at the University of Toronto was established by the Department of Surgery to foster surgical education and research for development. It is situated within the largest academic Department of Surgery in North America and through its collaboration with the Centre for International Health in the Faculty of Medicine can draw on expertise in health related fields from across the University.

Collections in this community

- Africa
- Bethune Roundtable on International Surgery
- Burns
- Cambodia
- International Surgery
- Ptolemy
The Canadian Review of Physical Anthropology / Revue Canadienne d’Anthropologie Physique was published by the Canadian Association for Physical Anthropology between 1975 and 1988. The issues of this journal are reproduced as PDF files here—but the sequence of volume numbers and journal titles does require some explanation.

Volumes 1, 2 and 3 were published in 1979, 1980 and 1981 respectively. There was a hiatus in publication for a few years until 1985 and 1986 when the Review was published with the Canadian Journal of Anthropology. Volume 4 #1-2 of the Review was published with Volume 4 #2 of CJA and Volume 5 #2 was published with Volume 5 #2 of CJA. The editorial in Volume 6 #1 of the Review noted that the labeling of Volume 5 as #2 was an error, and it should have read #1-2. CAPA published the Review on its own again in 1987 and 1988 for Volume 6 #1 and #2 respectively. Volume 6 #2 was the last issue of the Review.

Volume 3 #2 of the Canadian Journal of Anthropology (1983)—the “Proceedings of A Symposium on Human Evolution”—can also be found here as a PDF file. This issue of CJA was not an official collaboration between CJA and CAPA, but Dr. Sperber, the issue editor, is an active CAPA member and the content is certainly relevant to CAPA members. It is reproduced here with the permission of Dr. Sperber and the Department of Anthropology at the University of Alberta.

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1988 - Volume 6 #2
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1985 - Volume 4 #1-2
1981 - Volume 3 #1
1980 - Volume 2 #1-2
1979 - Volume 1 #1
1979 - Volume 1 #2

Addendum 1983 - Volume 3 #2
Proceedings of a Symposium on Human Evolution
(Canadian Journal of Anthropology)
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Monumental Past is a living text based on a doctoral dissertation submitted by Cornelius J. Holtorf to the University of Wales that explores...
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<th>Item/Handle</th>
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<tbody>
<tr>
<td>Monumental Past: The Life-histories of Megalithic Monuments in Mecklenburg-Vorpommern (Germany) (Holtorf, Cornelius.) (1807/245)</td>
<td>1,908</td>
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<tr>
<td>Out of print book</td>
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<td>Drawing and the blind (Kennedy, John) (1807/1021)</td>
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<td>A direct measurement of the radiation sensitivity of normal mouse bone marrow cells (Till, James E., till_at_uhnres.utoronto.ca et al) (1807/2781)</td>
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<tr>
<td>From Gutenberg's Galaxy to Cyberspace: The Transforming Power of Electronic Hypertext (Mason, Jean,) (1807/246)</td>
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<td>Sexual climax in female Macaca mulatta (Burton, Frances D.) (1807/2981)</td>
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<td>DEFINITION AND DIMENSIONS OF ETHNICITY: A THEORETICAL FRAMEWORK (Isajiw, Wsevolod W.) (1807/68)</td>
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<td>A psychology of picture perception (Kennedy, John) (1807/948)</td>
<td>825</td>
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<td>Participation in the global knowledge commons: challenges and opportunities for research dissemination in developing countries (Chan, Leslie et al) (1807/2388)</td>
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<td>Behavioural responses of Western Flower Thrips, Frankliniella occidentalis (Pergande), to Volatiles from Three Aromatic plants (Chermenskaya, T. D. et al) (1807/167)</td>
<td>722</td>
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<tr>
<td>2,4-dichlorophenoxyacetic acid-degrading bacteria contain mosaics of catabolic genes (Fulthorpe, Roberta et al) (1807/792)</td>
<td>715</td>
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<tr>
<td>Kommos: an excavation on the south coast of Crete (Shaw, Joseph W. et al) (1807/3290)</td>
<td>684</td>
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<tr>
<td>Russian Heritage: Land, People and Culture (Dowler, Wayne,) (1807/1049)</td>
<td>682</td>
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<td>Teaching resource</td>
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<tr>
<td>Bioline Publications: How its evolution has mirrored the growth of the Internet (Canhos, Vanderlei et al) (1807/71)</td>
<td>679</td>
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</tbody>
</table>
Prof. Joseph W. Shaw, with the assistance of his wife Prof. Maria C. Shaw, has directed excavations at Kommos since they began in 1976.

photos and photos from contact sheets. Each book represents an investment of around $30K USD.
WOMEN'S HEALTH & URBAN LIFE:
AN INTERNATIONAL AND INTERDISCIPLINARY JOURNAL
(Vol. 4, Issue 2, December 2005)

CONTENTS:

General Editor’s Introduction
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CHRIS LOCKHART (Utah State University)

Childbirth Practices, Medical Intervention & Women’s Autonomy:
Safer Childbirth or Bigger Profits? (download pdf)
MAUREEN BAKER (Auckland University)

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TAMMY GEORGE (OISE/University of Toronto)

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TOBA BRYANT (Centre for Research on Inner City Health, University of Toronto)
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- Women in Judaism

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Into IR for long-term archiving
Aid to Open-Access Research Journals

Regulations Governing Grant Applications
Definitions

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<th>Duration</th>
<th>Results announced</th>
<th>Apply</th>
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<td>June 30, 2007</td>
<td>Up to $25,000</td>
<td>1 year</td>
<td>September 2007</td>
<td>Application form, Web CV and instructions</td>
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OA Outcomes

- **For Researchers**
  - Maximize visibility and impact of one’s research
  - Greater control of one’s intellectual labour
  - Post-publication evaluation and impact
- **For University**
  - Promote institutional prestige
  - Better management of institutional output
- **For Libraries**
  - Lower cost for journals allow reinvestment in other resources
  - Allow customization of resources
- **For Students**
  - Access to greater variety of quality learning resources
- **For funders**
  - Ensure public access
  - Better return on investment when research is built upon
Conclusions

• Time to act now
• More research on researchers needed
• Both bottom-up (faculty-driven) and top-down (university and funding mandates) are needed
• Development of new tools for evaluation and quality assurance
• Think globally and act locally
Thank you!

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