Transforming Global Knowledge Exchange: Reframing the Roles of the Libraries

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Bioline International is a not-for-profit scholarly publishing cooperative committed to providing open access to quality research journals published in developing countries. BI's goal of reducing the South to North knowledge gap is crucial to a global understanding of health (tropical medicine, infectious diseases, epidemiology, emerging new diseases), biodiversity, the environment, conservation and international development. By providing a platform for the distribution of peer-reviewed journals (currently from Bangladesh, Brazil, Chile, China, Colombia, Egypt, Ghana, India, Iran, Kenya, Malaysia, Nigeria, Tanzania, Turkey, Uganda and Venezuela), BI helps to reduce the global knowledge divide by making bioscience information generated in these countries available to the international research community worldwide.

Find out more about:

- Journals in the Bioline International system
- How to Support Bioline
- How to apply to join Bioline international
- What's new at Bioline International

Bioline International is managed by scientists and librarians. It is a collaborative initiative between Bioline Toronto (management office) and the Reference Center on Environmental Information, Brazil (host computer and software development). The project is supported by the University of Toronto Scarborough Department of Social Sciences (infrastructure) and by the support of sponsoring libraries and members. Please see the membership & sponsorship page for more details.

To contact us, please email: Bioline.International@utoronto.ca
A Challenge
The 1% Solution to Open Access

Reframe
• From information “economy” to knowledge “society”
• Librarians as custodians of the Public Sphere

Argument
• Need for policy alignment and institutional redesign
• Rethink the values and reward system

Background
• Current knowledge system
• Evolving knowledge ecology
Background

- Two trends as illustration
  - Rising Cost
  - “World Science”
Publishing
Home > News > Faculty > Publishing

July 4, 2010
Hot Type: Canadian University Hopes to Lead Fight Against High Subscription Prices

By Jennifer Howard

Famous for mussels, serenity, and as the setting for Anne of Green Gables, Prince Edward Island, the smallest of Canada’s provinces, seems an unlikely hotbed of revolution. But at the University of Prince Edward Island, the province’s only university, a bit of scholarly-communication revolt is stirring.

On June 15, the university librarian, Mark Leggott, released a campus letter to let the faculty know the institution would not be renewing its subscription to the Web of

Most Popular

1. When Students Become Class Bullies, Professors Are Among the Victims
2. Michael Bellesiles Takes Another Shot
3. An Academic Rip Van Winkle
4. Undercover Probe Finds Widespread Deception in Marketing by For-Profit Colleges
5. A Blended Librarian Talks Information Literacy
Ithaka Faculty Survey 2009

“Basic scholarly information use practices have shifted rapidly in recent years and, as a result, the academic library is increasingly being disintermediated from the discovery process, risking irrelevance in one of its core areas.”

Ithaka Faculty Survey 2009

Library as Buyers?
“we willingly serve as the corrections officers for corporate information prisons.”

Barbara Fister, Trumping ownership with open access: a manifesto
Library Journal, 4/1/2010
A profoundly important account... better than any I have seen.
—LAWRENCE LESSIG

informationfeudalism
WHO OWNS THE KNOWLEDGE ECONOMY?

PETER DRAHOS WITH JOHN BRAITHWAITE

IFLA Pre-Conference, Gothenburg University, Aug 9, 2010
The World of Scientific Output According to Thomson’s ISI Science Citation Index

Data from 2002
http://www.worldmapper.org/display.php?selected=205
Active Bioline Journals graphed with Google Maps.

Retrieved April 26, 2010 from:
http://maps.google.com/maps/ms?ie=UTF8&hl=en&msa=0&msid=117328677437228595850.00044ec490b69019e64a3&z=2
The World of Scientific Output According to Thomson’s ISI Science Citation Index

Data from 2002
http://www.worldmapper.org/display.php?selected=205
Prof. Mary Abukutsa-Onyango
Jomo Kenyatta University of Agriculture and Technology

http://vimeo.com/10169351
• Physiological studies (IPGRI)
• Recipe collection and standardization (IPGRI).
• INCO studies on urban and peri-urban cultivation of AIVs (EU).
• Developed high iron recipes for vegetables and vegetable products, possible commercial ventures (Vicres and ProNIVA II).

BSC HORTICULTURE RESEARCH PROJECTS AT MASENO UNIVERSITY

<table>
<thead>
<tr>
<th>YEAR</th>
<th>Number of Students</th>
<th>% Vegetable research projects</th>
<th>% AIVs Research projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>10</td>
<td>50</td>
<td>20</td>
</tr>
<tr>
<td>2002</td>
<td>29</td>
<td>59</td>
<td>34</td>
</tr>
<tr>
<td>2003</td>
<td>14</td>
<td>79</td>
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<tr>
<td>2004</td>
<td>14</td>
<td>79</td>
<td>71</td>
</tr>
<tr>
<td>2005</td>
<td>25</td>
<td>80</td>
<td>70</td>
</tr>
</tbody>
</table>

MSC AND PHD RESEARCH PROJECTS ON AIVS
ARE OVER 10

IFG Intercropping study at Maseno

Seed bulking at JKUAT

CONCLUSIONS
• AIVs have several advantages that need to be exploited.
• Research on AIVs need to be reinforced at all levels to reap the benefits.
• Universities and other teaching institutions need to include AIVs in the curricula.
• To address millennium development goals on food and nutrition security AIVs must be included.
• For health and wealth go for AIVs.

Acknowledgement
IPGRI (BI)
PROTA
IFS
VICRES
EU
MASENO UNIVERSITY
JKUAT.

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“Weeds” or Vegetables?
Open

- Access to Reading
- Access to Publishing
- Access to Funding
- Access to Participation
- Access to Sharing
- Access to Reward and Recognition
Reframe
To Big to Fail

John Buschman

“that the specific trends identified in librarianship that accommodate the new public philosophy of casting public cultural institutions in economic terms represent a further diminution of the democratic public sphere.”

Westport, CT: Libraries Unlimited, 2003
Human Development and Access to Knowledge-embedded goods

Education/literacy

Access to learning resources
Access to journals
Access to research and outcome data
Access to health care
Access to Medicine

PUBLIC GOODS

Economic Opportunities

Health/life expectancy

IFLA Pre-Conference, Gothenburg University, Aug 9, 2010
Argument

Need for policy alignment and institutional redesign

Governance of Knowledge Commons

Rethink the values and reward system

Social Accounting and Expanded Values
Social and Sustainability Accounting

Scholarly knowledge as “merit good”

What kind of “Business” are we in and what are we trying to “Sustain”?
Broadening the definition of “success”, “impact”, “value” and “capital”

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business value</td>
<td>monetary return, financial capital, efficiency, competitiveness</td>
</tr>
<tr>
<td>Scholarly value</td>
<td>Reputation and citation; trust; symbolic capital</td>
</tr>
<tr>
<td>Institutional value</td>
<td>Public mission, community outreach, intellectual capital</td>
</tr>
<tr>
<td>Social value</td>
<td>Equity, participation, diversity, social capital</td>
</tr>
<tr>
<td>Political value</td>
<td>Evidence based policy, transparency, accountability, civic capital</td>
</tr>
</tbody>
</table>
Institutional Design

Sustainability as a set of institutional structures and processes that build and protect the knowledge commons (after Sumner 2005, Mook and Sumner 2010)
A Challenge

The 1% Solution
“Too often we think of scientific knowledge and the developing countries in terms of what “we” can do for “them”. We need to nurture the organizations and initiatives that challenge this limiting point of view, enriching the international scholarly community with important research and neglected perspectives from the developing world.”

Lynne Copeland, Dean of Library Services & University Librarian, Simon Fraser University Library, Canada
Thank You!

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http://www.openoasis.org

http://www.bioline.org.br