Holly Mercer
Texas A&M University
14 April 2011

METADATA FOR OPEN ACCESS* JOURNALS
OPEN ACCESS
INDEPENDENT
SMALL SOCIETY
NONPROFIT
ELECTRONIC

*WHAT I MEAN
Outline

- Library-as-Publisher, systems & metadata
- Scholarly communication lifecycle
- Examples
- Conclusion
Systems & Metadata
# Indexing metadata

**Summary of Recommendations of the GBIF Task Group on the Global Strategy and Action Plan for the Digitisation of Natural History Collections**

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<td>Author's name, affiliation, country</td>
<td>Walter G. Berendsohn</td>
</tr>
<tr>
<td>Creator</td>
<td>Author's name, affiliation, country</td>
<td>Vishwas Chavan</td>
</tr>
<tr>
<td>Creator</td>
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<td>James Macklin</td>
</tr>
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<td>The Global Biodiversity Information Facility's Task Group has formulated three basic recommendations to the GBIF Governing Board in order to increase the rate of the digitization of natural history collections and improve the usage of this information resource: (i) GBIF must facilitate access to information about non-digitized collection resources by publicizing the research potential of collections through metadata and assessing the number of non-digitized specimens; (ii) GBIF must work with collections to continue to increase the efficiency of specimen data capture and to enhance data quality by means of technical measures, by means of ensuring attribution and professional credit and influencing institutional priorities, and by engaging with funding agencies; (iii) GBIF must continue to improve and promote the global infrastructure used to mobilize digitized collection data through technical measures, outreach activities and political measures.</td>
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Scientific Communication
Life-cycle Model

Bo-Christer Björk
Swedish School of Economics and Business Administration (Helsinki, Finland)
http://www.sciencemodel.net/
Do research, communicate and apply the results
Do research, communicate and apply the results

Funding for R&D

Fund R&D

Perform the research

New scientific knowledge

Communicate the results

Apply the Knowledge

Better quality of life

Public sector funding

Private sector funding

Existing Scientific Knowledge

Publication

Research funders

Scientists

Publishers and infomediaries

Readers

Companies

Government

Priorities for scientific problems to be solved

Funding for industrial development

Funding for research communication

Funding for research

Funding for industrial development

Public sector funding

Private sector funding

Existing Scientific Knowledge

Publication

Research funders

Scientists

Publishers and infomediaries

Readers

Companies

Government

Priorities for scientific problems to be solved

Funding for industrial development

Funding for research communication

Funding for research

Funding for industrial development
Communicate the results

1. Informally communicated results
   - New scientific knowledge
   - Face to face meetings
   - New empirical data

2. Communicate the results through publication
   - Informally communicated results
   - ICT tools

3. Share the data
   - Communicate the results through publication
   - Publishers and infomediaries
   - Scientific data repositories

Copyright restrictions, licences

Publication

Data in repositories

Funding for research communication

Publishers and infomediaries

ICT tools

New scientific knowledge

New empirical data

Bo-Christer Björk, 2007
Facilitate dissemination and retrieval

1. Funding for access to publications
2. Legislation concerning preservation
3. Development of preservation technology

- Manuscript
- Publication or copy of publication
- Purchasable publication
- Open access copy of publication or manuscript
- Preserve publication
- Locally available publication
- Preserved publication

Author
Infomediaries
Local libraries
National libraries

Meta data standards
Facilitate retrieval globally

1. Bundle publications from different sources into E-service

2. Make manuscript or copy of publication openly available on the web

3. Integrate metadata into search service

Publication or copy of publication

Manuscript

Commercial incentives

Incentives, norms, mandates

Copyright [sic] agreements

Meta data standards

Publication available as part of E-series

Open access copy of publication or manuscript

Searchable metadata

Infomediaries

E-print repositories

Author

Search engines

Indexing services
Integrate meta data into search service

- Publication
  - Index in edited bibliographic index
  - Open access copy of publication or manuscript
    - Indexing services
      - Index in general web search engine
  - Meta data standards
  - OAI standard

1. Index in edited bibliographic index
2. Index in web harvester for scientific content
3. Index in general web search engine

Search engines
Searchable metadata
Value Chain
Case Studies
American Studies

American Studies is a quarterly interdisciplinary journal sponsored by the Mid-America American Studies Association and the University of Kansas. With an editorial staff from a number of areas of study, the journal offers provocative perspectives on a variety of issues. Frequent special sections and special issues create a space for a broad discussion on a single topic. Articles on pedagogy inform the American Studies classroom. The book review section aims at keeping readers conversant with contemporary scholarship. American Studies first appeared in 1959, and has 1,000 current subscribers. In 2005 it merged with American Studies International, and welcomes submissions with an international perspective. This electronic edition provides free access to the back issues of the journal. The most recent three years are available via print subscription only.

NOTE:
The American Studies Journal is behind in its publication schedule. Our staff is working diligently to get caught up.

The next issue, Spring/Summer 2009 (vol. 50, no. 1/2) is expected out to subscribers by October 27, 2010

Other Tentative Deadlines:
Fall/Winter 2009 (vol. 50, no. 3/4): February 1, 2011

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Vol. 48, No. 3: Fall 2007
Vol. 48, No. 2: Summer 2007

2006
Vol. 47, No. 3-4: Fall/Winter 2006
Vol. 47, No. 2: Summer 2006
Vol. 47, No. 1: Spring 2006

2005
Vol. 46, No. 3-4: Fall/Winter 2005
Vol. 46, No. 2: Summer 2005
Vol. 46, No. 1: Spring 2005
An official organ of the Milton Society of America and of the Milton Section of the Modern Language Association, Seventeenth-Century News covers all aspects of seventeenth-century culture, English, American, and European, with emphasis on literature and history. We provide reviews that keep both specialists and non-specialists abreast of new books on such writers as Donne, Milton, Corneille, Dryden, Wroth, Bacon, Browne, Behn, Grimmelshausen, and Cavendish; on recent historical works; on the scientific revolution; and on all other aspects of seventeenth-century life and thought. SCN is published electronically two times a year by the Department of English, Texas A&M University at http://journals.tll.org/scn.

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Indeed I had not much wit, yet I was not an idiot - my wit was according to my years.
—Margaret Cavendish
Seventeenth-Century News

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College Station, Texas 77843-4227
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Recent Submissions

- Neo-Latin News
  Kallendorf, Craig, et. al (Seventeenth-Century News: Vol. 68, Nos. 3B; 2010-11-22)

- A Review of "Christopher Plantin and Engraved Book Illustrations in Sixteenth-Century Europe" by Karen Bowen and Dirk Imhof
  Silver, Larry (Seventeenth-Century News: Vol. 68, Nos. 3B; 2010-11-22)

- A Review of "Humanism in an Age of Science: The Amsterdam Athenaeum in the Golden Age, 1632-1704" by Dirk van Miert
  McCarthy, Joseph M. (Seventeenth-Century News: Vol. 68, Nos. 3B; 2010-11-22)

- A Review of "Chartae Socraticae. Design of a Socratically History" by Anthony Ashley Cooper, third earl of Shaftesbury, and edited by W.
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Posted: 2010-09-22

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... metadata?
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- Hosting / Distribution
- Working with A&I services, journal aggregators
- ISSN, DOI
- Title changes
- OpenURL linking, e-journal knowledgebase
- OCLC & Library catalogs
- Directory of Open Access Journals, others
Conclusions

• Metadata change along the scholarly communication network
Conclusions

- Metadata value is additive
Conclusions

• Shared concerns are discovery, access, and use
Conclusions

• Problem-solve at global, not local level
  • Onix for Serials?
  • Linked data?
  • KBART?
Conclusions

- Growing emphasis on data sharing, linking journal articles to the underlying research data
  - Requires accurate metadata
- Dataverse
- DataCite
- DRYAD
- DataONE
- SageCite
Conclusions

- Communication is key!
Conclusions

• Librarians can – and should – help editors of small / independent / open access journals
THANK YOU

Holly Mercer
hmercer@tamu.edu
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