Open Access Publishing: The Promise & Reality
For Libraries

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“To achieve open access to scholarly journal literature, we recommend two complementary strategies.

I. Self-Archiving: First, scholars need the tools and assistance…

II. Open-access Journals: Second, scholars need the means to launch a new generation of journals…”

Libraries have a role in both strategies.
Libraries & Open Access

1. Collection Development
2. Interlibrary Loan
3. Reference
4. Technical Services
5. Systems
6. Marketing & Public Relations
7. Human Resources
8. Management
1. Collection Development & OA

- The Serials Crisis is Solved?
  - Library collection budgets may disappear!
- No need for selection if OA funded by authors & distributed by publishers
- Selection becomes relevant with Institutional Memberships
  - Whom will the library support?
  - Licensing & negotiation important:
    - Getting best deal (% of author discount)
1. Collection Development & OA
Changing Fiscal Model

- Institutional Memberships
  - Are these not simply subscriptions?!
  - Consortial agreements possible
- Based on Institution’s “Author Output”
  - Fluctuating costs year to year
  - Budgeting may be difficult
    - New models needed (BioMedCentral)
  - Penalized for success
    - More your authors accept, the more you pay
1. Collection Development & OA Fiscal Aggregator Model

- Handle Payments Like Interlibrary Loan
  - Author gets discount via library
- Provide Marketing & Public Relations Opportunities
- Integration with Institutional Repository
  - Library-publisher interaction
- Metadata Acquisition (at creator stage)
Distributed Institutional Repository Model

Virtual Journal Post-Peer Review

Virtual Journal Pre-Peer Review

IR 1 → IR 2 → IR 3

Author 1 → Author 2 → Author 3
1. Collection Development & OA
Integration with Other Digital Projects/Objects

- Institutional Repositories
  - Tracking article versions
  - Supplemental material at institution
    - (e.g. datasets, learning objects)

- Indexing/Abstracting Services
  - Linkage to/from
  - Increase visibility
  - Impact factor
1. Collection Development & OA

- With Distributed IRs
  - LOCKSS-like models
    - What gets duplicated & by whom
  - Consortia
    - Support for small research-generating institutions that can not afford to build their own IR
- Ephemeral vs. Persistent Objects
- Basically, creating the policies to determine what goes into the local IR
2. Interlibrary Loan & OA

- Should OA become dominant publishing model, ILL will decrease
- ILL will not disappear, though
  - Older materials still needed
  - Not everything will be OA
3. Reference & OA

- Information Literacy becomes critical
  - Evaluation skills important
- In-person reference requests likely to continue decrease
  - Patron finds “everything on Internet”
- Status of virtual reference unsure
- Need to familiarize oneself with OA resources to field potential questions
4. Technical Services & OA

- Is there a need to catalog OA journals?
  - Many are already catalogued
  - Is this a wasted effort?
- As with other e-journals:
  - Binding disappears
  - Check-in & claims disappear
- Invoice creation, payment & reporting disappears, unless $$ aggregator
4. Technical Services & OA

- With Fiscal Aggregator Model:
  - Metadata Specialists Needed
    - E.g. developing schemas
  - Metadata Cataloguers Needed
    - Work within certain schemas
    - Work with certain digital objects
5. Systems & OA

- Do we add OA journals to library portals?
- Mirroring vs. LOCKSS vs. …
- Archive/Persistence support & policy
- Joint efforts within consortia for archiving
  - To spread the cost around
  - Share technical expertise
- IT support as OA technology changes
  - e.g. new formats
- Version Control!!!!!!!!!
6. Marketing/Public Relations & OA

- What is role of library in institution?
  - Training, Literacy, Preservation -- increased
  - Cataloguing Morphed, Collection Development Morphed
  - ILL, Reference – decreased emphasis
  - Physical Space – Changes likely
  - Relationship to other units in institution
    - Course support, teaching, etc.
6. Marketing/Public Relations & OA

- What is relationship of library to other institutions?
  - Consortia
  - Corporate Institutions
  - Other academic institutions (nat’l & intern’l)
  - General public

- Who are your audiences?
7. Human Resources & OA

- Professional Development
  - New skill sets required
  - Ever changing with technology
- Reduction in library staff likely
- Facilitating change in the organization
8. Management & OA

- Potentially large shifts in budget:
  - Collections to digital preservation
  - Fluctuations with Institutional Memberships

- Management of change is critical

- Proactive
  - Ongoing evaluation of environment

- Increased need for user needs studies, marketing and public relations
Where Will These Fit?

- **Knowledge Management**
  - Knowledge capture of new publishing processes

- **Data Mining**
  - Patterns that lead to success

- **Competitive Intelligence in Academia**
  - Analysis of digital object creation by groups

- **Scholarly Communication Research**
  - Comparison of post- & pre-peer pubs
Summary

- Some problems will remain
- Some issues identified, others emerging
- Initially for libraries: dual support
- Potential for the long term: radical change in libraries
Thank You

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