Public Comment: Public Access to Federally-Supported Research and Development Data and Publications

NATIONAL ACADEMY OF SCIENCES
May 15, 2013

❖ Rapporteur's Report
❖ P. Bryan Heidorn
❖ University of Arizona
Wordly of Written Comment
http://pinterest.com/pin/168251736050998748/: Bibliothèque nationale de France, Français 1537, detail of f. 29v. Chants royaux sur la Conception, couronnés au puy de Rouen de 1519 à 1528. 16th century
A woodcut of Robert Greene writing in his burial shroud, symbolizing that his words come from beyond the grave. This woodcut is from the title page of English author and Greene follower John Dickenson's Greene in conceipt: New raised from his grave to write the Tragic History of Valeria of London (1598). Picture acquired through Wikimedia Commons. Image public domain.
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Why Publisher?

- Economy for printing and distribution
- Copy edit
- Quality assurance / Peer review
- Support innovation
- Long-term preservation (lately)
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Scholarly Society Publishers
(and not for profit publishers)

 HttpHeaders

- Same goals & member support
- Conferences
- Education
- More Volunteer Work
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Why the Library?

 организация
 selection
 access
 preservation
 purchasing agent
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http://openclipart.org/detail/7869
http://internetshakespeare.uvic.ca/Library/SLT/drama/contemporaries/greene.html
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Pay Models

- Publication is not free
- Need for business neutral solutions
- Multiple pay models
- Preservation of intellectual property
- Preservation of scholarly societies other activity
- Dissemination prices decrease but other costs increase
Subscriptions

- Publishers need resources
- Growing literature
- Libraries being squeezed
  - Increasing subscription costs
  - Decreasing State and Federal Funds
- Unaffiliated readers and non-profits cost prohibitive
- Developing country discounts
Embargos

- Embargos keep subscriptions flowing
- Great diversity of opinion on duration
- Need duration flexibility
- Citation half-life impacts subscriptions & ROI
  - Social Science/Humanities needs more embargo time
  - Non-medial Biology
Subscription Alternatives

﹀ Green and Gold Open Access
﹀ Many publishers already provide Gold or Green of different colors
﹀ Different view of ROI
﹀ PubMed central model strengths & weaknesses
 ﹀ Costs
 ﹀ Compliance
 ﹀ Disciplinary differences
Gold OA

_pro:
- Immediate access
- Library Preservation?
- Need agency sponsorship (line item)
- Project MUSE

_con:
- Authors ability to pay
  - (sponsors: Government, employer/library)
- Grant expires before publication
- Predatory publishers
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Green OA

Pro

- Library preservation
- Potential unified search
- Open-Full text (e.g. 3rd party text mining)

Con

- Library archival costs
- Non-definitive copy / duplicative
- Loss of copyright
- Compliance burden on researchers and libraries
Broad Themes

❖ All agree on broad access and disagree on method
❖ Copyright is “permanent” monopoly
❖ Need phase-in time and planning
❖ Need consistency across agencies & NOT one size fits all
❖ Costs vary with discipline (formatting, length, half-life, etc)
❖ Need compliance checks (grant renewals, later publications)
Broad Themes

❖ (Functionally) Central vs Distributed archives
❖ The market is international
   ❖ Europe going gold and green
   ❖ Competitive advantages
   ❖ Subsidizing non-US entities
New Functionality

❖ Unified Search
❖ Link to data – Not all data is tied to publications
❖ Require globally unique, persistent identifiers for articles, data, authors, funders and everything else
❖ Reuse and machine readable interoperability
❖ Need for open evaluation metrics
❖ Definition of “Trusted/Functional Repository”
❖ Platforms for grey literature and negative results
Other themes

❯ Need for author education
❯ Government definition of “good” science
❯ Library purchasing tools (bundling)
❯ Reader and Subject privacy
❯ Prior agreements may preclude some implementation
❯ Requires investment / startup and long-term operations
  ❯ e.g. Duraspace, Crossref, FundRef
❯ Development / use of standards by all (e.g. NLM/DTD)
Change is Difficult

Change is Inevitable