Collected and Selected Works

presentation by Jim Pitman at

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Background

Traditional Collected/Selected Works volumes from the print era:

http://mathematics.library.cornell.edu/additional/Collected-Works-of-Mathematicians

(bibliography by Steven Rockey)

Strengths/weaknesses of the genre:

   +   themes, history, biography, bibliography

  +/- access, indexing

   -   production effort, permissions, cost

Transition to digital: aim to retain + reduce -

Selected Works in Probability and Statistics

Initially with [IMS](#), then with Springer:
http://www.springerlink.com/content/v34145/

9 vols by distinguished authors (2010-12) available both in print and freely(?) online.

Issues:

- incompatible with Springer's ebook model

- effort and cost to acquire permissions

- still poorly indexed (remedy?)

Celebratio Mathematica

- http://celebratio.org/
- "Collected Works for the Digital Age"
- by [Mathematical Sciences Publishers](http://celebratio.org/)
- open access web publication
- series of collected works volumes
- electronic version primary
- can provide copies or links
- flexible content types (photos, scans, html)
- comprehensive updatable bibliography
- new business model: donations

WDML Integration

Make creation of Collected/Selected Works volumes easy by WDML supporting

- high quality open metadata with author identifiers
- full text with open license for reuse
- editorial workflow (collection/organization/ deduplication/identification/tagging)

A successful WDML should support a broadly distributed effort to provide volumes for as many distinguished authors as community editorial effort can support.

Broader Open Knowledge Efforts

WDML should benefit from participation in the broader [open biblio community](#) supported by the [Open Knowledge Foundation](#)

- Open biblio data stores
  - http://thedatahub.org/group/bibliographic

- Open biblio data principles/formats
  - http://openbiblio.net/principles
  - BibJSON http://bibjson.org/

- Open biblio software
  - BibServer http://bibserver.berkeley.edu/

Funding Priorities

Support for end-to-end applications which engage authors and editors to contribute their time to enhancing, expanding and curating a WDML. Basic open framework and tools now available. Still needed:

- oversight, project management and programming, especially for
  - curatorial workflows (entity extraction/tagging)
  - customization of general tools for math community (LaTeX/BibTeX/MathJaX/MSC/MathPeople)
  - RePEc-like aggregation of component libraries
- plan for governance, maintenance, sustainability of an open source community