Analysis of Tools Used to Streamline Institutional Repository Workflows

Zotero + SHERPA/RoMEO + Unpaywall = Success?

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Access the preprint (including references for this presentation) on my SelectedWorks profile:

https://works.bepress.com/ashley_lowery/
Outline of Presentation

• Workflow
• Analysis of Tools
  • Methodology
  • Literature Summaries
  • Study’s Results
• Broader Significance (Why?)
• Questions
Workflow
#1: Receive CV from Faculty

Curriculum Vitae

Leslie Goodale Adebonojo

Education:
M.Ed. (Educational Media and Educational Technology), May 2008, East Tennessee State University, Johnson City, Tennessee
M.S.L.S., May 1975, Case Western Reserve University, Cleveland, Ohio
B.A., May 1974, University of Rochester, Rochester, New York

Experience:
Position: Undergraduate Student Services Librarian
Associate Professor, Tenured
Charles C. Sherrod Library, East Tennessee State University, Johnson City, TN
01/2008 to present
Responsibilities and accomplishments
#2: Import Publications into Zotero
#2: Import Publications into Zotero
#3: Check Copyright Policies with SHERPA/RoMEO

Import tool

Import may take over 60 seconds to finish.

Run Import Tool
#3: Check Copyright Policies with SHERPA/RoMEO
#4: Locate Full-Text Documents with Unpaywall
LibGuides to the rescue: The cure for the same old boring papers

Devising new ways to collaborate with faculty can be a challenge. In offering professors the opportunity to replace a written paper with a LibGuide assignment, the librarians hoped that the close working relationship necessary to ensure the success of this pilot would allow us to become actively engaged in the classroom. From the perspectives of faculty, a LibGuide assignment can represent an interesting alternative to a research paper that offers flexibility in design and content. For students, a LibGuide assignment can not only be fun but also challenging, since they will have to assess everything they put in the guide.

Keywords: East Tennessee State University, faculty collaboration, LibGuides, research paper, term paper
#5: Export, Transfer, Clean, and Upload Data

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<th>Issue</th>
<th>Pages</th>
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*Note: The data is in Excel format.*
Analysis of Tools
Methodology: Compiled works in journals published from 2011 to 2016 by 36 faculty (3 assistant professors, 3 associate professors, 3 professors within each of the four disciplines).

89 in Art and Humanities
77 in Education
86 in Medicine and Health Sciences
120 in Social and Behavioral Sciences

372 Total Works
What does the literature say about Zotero and other Reference Management Software (RMS)?

No RMS, including Zotero, is perfect at importing records accurately.
What does the literature say about SHERPA/RoMEO?

SHERPA/RoMEO is used as an authoritative source in studies.

Approximately 13% of searches in SHERPA/RoMEO from 6 studies resulted in Unknown, Ungraded, Unclear, and Unavailable records.
SHERPA/RoMEO: Availability

- Arts & Humanities: 40% Available, 60% Unavailable
- Education: 20% Available, 80% Unavailable
- Medicine & Health Sciences: 10% Available, 90% Unavailable
- Social & Behavioral Sciences: 100% Available, 0% Unavailable

Legend: Available, Unavailable
What does the literature say about Unpaywall?

Google (Scholar) is the most successful at locating Open Access materials.

Unpaywall recalls 77% of articles in comparison to manual searches. Users encounter OA versions 47% of the time (Piwowar, 2018).

Unpaywall: Accuracy

Note: For accuracy, works that Unpaywall could not locate a legally available document were searched in Google (Scholar).
Why?
Study indicates that not the tools are the reason for the unavailability and inaccuracies.
Types of Publishers

- Arts & Humanities
- Education
- Medicine & Health Sciences
- Social & Behavioral Sciences

Commercial vs. Other
Examples of Poor Publisher Practices
Not dedicating a single webpage to each work.

Examples:
Publishing issues within a single PDF.
Publishing little (title, author, pages) or no information on each work.
Not listing the copyright policy on the journal’s or publisher’s website.

OR

Having a copyright policy without clear statements on preprints, postprints, and/or publisher versions.
No Digital Object Identifier (DOI) for each work.
Questions?