Broadening Access to Faculty Scholarship through Partnerships: A UF case study

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Overview

The Need

Vivo

Elsevier
  ◦ Trajectory
    ◦ Phase I
    ◦ Phase II
  ◦ Successes
  ◦ Challenges

Other Partnerships
  ◦ Chorus
  ◦ Data Harmony
The Need

Requests from:
  ◦ Provost
  ◦ Vice President for Research
  ◦ Faculty Research Council
  ◦ Other faculty

Requests for:
  ◦ Means to document research
  ◦ Improved access to research
    ◦ Preferably the “best” (final published) version
  ◦ Track articles to ensure compliance with federal funded deposit mandates
The Reality

In 2017

IR@UF
- Manager + 1 Staff

Faculty at UF
- 5,309 Faculty in 2017

Research at UF
- 1,600 faculty receiving funding awards
- 10,750 active projects
- $801 million in research expenditures

UF authors publish ~8,000 scholarly journal articles a year

No culture or policy of deposit for manuscripts into IR@UF
Vivo
## UF/Elsevier Pilot: Phase I

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>Open Access</td>
<td>Provide all IR@UF visitors access to full-text of UF-authored Open Access Elsevier articles.</td>
</tr>
<tr>
<td>Increase coverage</td>
<td>Increase comprehensiveness of coverage of Elsevier-published content by UF authors through the IR@UF</td>
</tr>
<tr>
<td>Best version</td>
<td>Provide subscribers with access to the best available (published) version through the IR@UF</td>
</tr>
<tr>
<td>Navigation</td>
<td>Allow users to return to their IR search results when reading published articles from Science Direct</td>
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Goals:

• Metadata and links for ~31,000 articles by UF authors in IR@UF from 1949 - 2016
• Indexing based on metadata
• Links to ScienceDirect for access by licensed users

Discoveries:

• More gold OA publishing than anticipated (601 articles by 1,443 unique UF authors between 2009 and early 2016)
Phase I:
Search Results
Indicate Access for Published Version
UF/Elsevier Pilot: Phase II

**Goals:**

- Provide access to accepted manuscripts to non-subscribers
- Stream final articles or accepted manuscripts to IR@UF
- Research OA publishing by UF authors
- Research use of Elsevier metadata for other University purposes, including compliance

**Improvements:**

- Offer full text searching through the IR@UF, with links to the published article on ScienceDirect.
- Usability testing by Elsevier and UF
Phase II: Accepted Manuscript Embedded Viewer Prototype
Successes
Successes

User authentication
API creation for transfer of metadata and links
Ingest of 36,787 metadata records to date
Challenges
Challenges

Identifying UF authors

Usability of wording on labels indicating access

Accepted manuscripts not as robust as we'd hoped
  ◦ Only date back to 2013
  ◦ 2,928 titles
  ◦ Difficulties with embedded viewer delayed rollout
Portfolio Analysis: UF Articles by Publisher 2016

Bubble size represents number of UF-authored articles published in 2016

- Elsevier
- Springer Nature
- Wiley
- Wolters Kluwer
- Taylor & Francis
- Public Library of Science
- Sage
- Oxford University Press
- American Chemical Society
- IEEE

Pilot participant and CHORUS member publisher
CHORUS member publisher (as of January 2016)
Chorus
- Pull information from many publishers
- Includes funder information
- Access to best available version
- Elsevier model demonstrates authentication

Data Harmony by Access Innovations
- Machine Assisted Indexing to enhance metadata
  - Full text search
  - Controlled vocabularies
  - We set the rules base