Deep Blue / Michigan Research Experts Integration, Next Century Library Share Summit

Welzenbach, Rebecca

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Deep Blue / Michigan Research Experts Integration
Rebecca Welzenbach, Research Impact Librarian
Next Century Library Share Summit
November 14, 2018
The Michigan Research Experts Information Architecture

UNIVERSITY OF MICHIGAN FEEDS
- Person metadata
- Grants metadata

SHIBBOLETH SSO
User authentication to support single sign on

EXTERNAL DATA FEEDS
Dimensions
Scopus, Google Scholar, Crossref, arXiv, PubMed, MLA, RePEc, dblp

Dimensions Profiles
Research Information Management solution for data collection, curation and enrichment. Profile data claimed or added by UMich researchers is used to automatically populate downstream systems including Dimensions Profiles, UMich Deep Blue Repository and other reporting tools.

Elements
Research Information Management solution for data collection, curation and enrichment. Profile data claimed or added by UMich researchers is used to automatically populate downstream systems including Dimensions Profiles, UMich Deep Blue Repository and other reporting tools.

MICHIGAN RESEARCH EXPERTS
https://experts.umich.edu

Dimensions
Discovery and analysis platform for data fed from UMich Elements system. Currently includes:
- 4,885 experts
- 260,564 publications
- 17,640 grants
- 11,901 patents
- 1,895 clinical trials

Dimensions Plus
Richly interlinked research database used by UMich to analyse global research and contextualise their work. Currently includes:
- 97m publications
- 4.1m grants
- 4,244 clinical trials
- 361k policy documents

DEEP BLUE
Institutional Repository (Dataport)

DATA SYNC
HARVEST
HARVEST DEPOSIT

Source: Byrne, Kate and Stephen Cawley. Connections, Collaborations, & Impact: Data-Driven Approaches to Understanding institutional research expertise. Digital Science case study. October 2018 (pending publication)
This is a diagram showing the underlying information architecture and connections behind Michigan Research Experts.
Test and review crosswalk (1 week)
<table>
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<th>Underlying field in Elements</th>
<th>data type</th>
<th>Default mapping field usage</th>
<th>Default source field in Repository</th>
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<th>Field usage for type 'book'</th>
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  - CiNii
  - PubMed
  - RePEc
  - dblp

- **Almetric**
  Online attention tracking for over 12m outputs

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- **Dimensions Plus**
  Data source for additional UMich Grants, Patents and Clinical Trials not yet captured in Elements

- **readcube**
  Enhanced PDF Viewer for OA, articles in Dimensions Profiles and Dimensions Plus

Source: Byrne, Kate and Stephen Cawley. Connections, Collaborations, & Impact: Data-Driven Approaches to Understanding institutional research expertise. Digital Science case study. October 2018 (pending publication)