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
  - Web of Science
  - CrossRef
  - Europe PubMed Central
  - CInii
  - PubMed

- **D3EP BLUE**
  - Institutional Repository (Dspace)

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

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

- **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

- **Dimensions**
  - Discovery and analysis platform for data fed from UMICH Elements system.
  - Currently includes:
    - 4,859 experts
    - 260,564 publications
    - 17,640 grants
    - 11,901 patents
    - 1,895 clinical trials

- **Dimensions Profiles**
  - Dimensions Plus
  - Richly linked research database used by UMICH to analyse global research and contextualise their work.
  - Currently includes:
    - 97m publications
    - 4.1m grants
    - 42,695 clinical trials
    - 361,000 policy documents

- **Dimensions Plus**
  - Enhanced PDF viewer for OA articles in Dimensions Profiles and Dimensions Plus

> This is a diagram showing the underlying information architecture and connections behind Michigan Research Experts

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.
RT2 - Harvest Crosswalks

- Build the crosswalk map file (at least 0.5 day per object type intended for harvest) [8 comments] Evelina Buicig - Fri, Nov 2
- Take full backup of Elements, enable verbose logging, limit volume of data for testing phase (1 day) [1 comment] Evelina Buicig - Mon, Nov 5
- Test and review crosswalk (1 week) [1 comment] Jim Ottaviani - Mon, Nov 12
- Adjust and retest crosswalk (1 week) [4 comments] Evelina Buicig - Mon, Nov 19
- Enable harvest (1 day) [3 comments] Jim Ottaviani - Tue, Nov 20

RT2 - Deposit Crosswalks

- Identify functionality required for crosswalk [1 comment] Jim Ottaviani - Tue, Nov 27
- Build the crosswalk map file (at least 0.5 day per object type intended for deposit) [1 comment] Evelina Buicig - Tue, Dec 4
- Take full backup of Elements, enable verbose logging, limit volume of data for testing phase (1 day) [1 comment] Evelina Buicig - Wed, Dec 5
- Test and review crosswalk (1 week) [1 comment] Jim Ottaviani - Mon, Dec 10
- Adjust and retest crosswalk (1 week) [1 comment] Evelina Buicig - Thu, Dec 13
- Enable deposit (1 day) [1 comment] Jim Ottaviani - Fri, Dec 14

Add a to-do
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<th>Default source field in Repository</th>
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<th>Field usage for type ‘book’</th>
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