2018-11-14

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

Welzenbach, Rebecca

http://hdl.handle.net/2027.42/148275
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
- arXiv.org
- Crossref
- Europe PubMed Central
- CiNii
- PubMed
- RePEc
- dblp

DATA SYNC
- Harvest
- Deposit

DEEP BLUE
Institutional Repository (Dspace)

Dimensions
- Discovery and analysis platform for data fed from UMich Elements system. Currently includes:
  - 4,085 experts
  - 260,564 publications
  - 17,464 grants
  - 11,901 patents
  - 1,895 clinical trials

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 Profiles
- Dimensions Plus
- Richly interconnected research database used by UMich to analyse global research and contextualise their work. Currently includes:
  - 97m publications
  - 41.1m grants
  - 424k clinical trials
  - 361k policy documents

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

Dimensions Plus
- 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)
This is a diagram showing the underlying information architecture and connections behind Michigan Research Experts.
To-do lists

**RT2 - Harvest Crosswalks**

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

**RT2 - Preparation**

- [ ] Add a to-do

**RT2 - Deposit Crosswalks**

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

Add a to-do
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- PubMed
- RePec
- dblp

Almetric
Online attention tracking for over 12m outputs

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

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