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
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 Bulciug - Fri, Nov 2
- Take full backup of Elements, enable verbose logging, limit volume of data for testing phase (1 day) Evelina Bulciug - Mon, Nov 5
- Test and review crosswalk (1 week) Jim Ottaviani - Mon, Nov 12
- Adjust and retest crosswalk (1 week) Evelina Bulciug - Mon, Nov 19
- Enable harvest (1 day) Jim Ottaviani - Tue, Nov 20

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 Bulciug - Tue, Dec 4
- Take full backup of Elements, enable verbose logging, limit volume of data for testing phase (1 day) Evelina Bulciug - Wed, Dec 5
- Test and review crosswalk (1 week) Jim Ottaviani - Mon, Dec 10
- Adjust and retest crosswalk (1 week) Evelina Bulciug - Thu, Dec 13
- Enable deposit (1 day) Jim Ottaviani - Fri, Dec 14

Add a to-do
<table>
<thead>
<tr>
<th>Underlying field in Elements</th>
<th>data type</th>
<th>Default mapping field usage</th>
<th>Default source field in Repository</th>
<th>Field usage for type 'artefact'</th>
<th>Source field for type 'artefact'</th>
<th>Field usage for type 'book'</th>
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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
  - PubMed
  - CrossRef
  - arXiv.org
  - MLA
  - Europe PubMed Central
  - CINii
  - RePEc
  - dblp

ALTmetric
Online attention tracking for over 12m outputs

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

Dimensions
- Dimensions Profiles
  Discovery and analysis platform for data fed from UMich Elements system. Currently includes:
  - 4,859 experts
  - 240,564 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
  - 424k clinical trials
  - 361k policy documents

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.

DEEP BLUE
Institutional Repository (Dspace)

Data Sync
Harvest
Harvest Deposit

Report Database SQL
Reporting layer used to support other internal reporting

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)