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

Welzenbach, Rebecca

http://hdl.handle.net/2027.42/148275
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 - Repository Integration

Add a to-do

- Please confirm all possible ways of how content is currently ingested into the IR. 2 comments (Completed by Jim Ottaviani on 12 Sep)
- If you have an existing IR, how many items does it currently contain? 3 comments (Completed by Jim Ottaviani on 12 Sep)
- What repository platform is your IR based on? 2 comments (Completed by Igor Kondrashov on 11 Sep)
- Do you require one way or bidirectional sync? 2 comments (Completed by Igor Kondrashov on 11 Sep)
- If you use a third party to host or maintain your IR please confirm provider. 1 comment (Completed by Igor Kondrashov on 11 Sep)
- Do you maintain the IR server in-house or is it a hosted service? 2 comments (Completed by Igor Kondrashov on 11 Sep)

RT2 - Preparation

Add a to-do

- Confirm that Deep Blue folks can log in to their Elements accounts. 1 comment (Completed by Rebecca Welzenbach on 11 Oct)
- Review repository tools integration documentation. 8 comments (Completed by Jim Ottaviani on 2 Oct)
- Become a new user in the Extend use case. We want to make sure we’re following best practices and that we assign appropriate roles (who checks off that tasks are complete etc.) – Not sure who to assign this to, so starting with Igor. Please re-assign as appropriate. Or, if it’s a full session doesn’t seem needed, perhaps we can confirm practices and roles on our next weekly call. (Completed by Igor Kondrashov on 25 Sep)
- Create a table of all the metadata in DeepBlue. 2 comments (Completed by Igor Kondrashov on 25 Sep)
- Configure the repository API. 5 comments (Completed by Igor Kondrashov on 25 Sep)
- Provide details of current repository software. 1 comment (Completed by Igor Kondrashov on 30 Aug)
- Ports and Firewalls. (Completed by Igor Kondrashov on 10 Aug)
- Request Repository Licence from Symphony. (Completed by Igor Kondrashov on 10 Aug)

To-do lists

Add a to-do

RT2 - Harvest Crosswalks

- Build the crosswalk mail file (at least 0.5 day per object type intended for harvest) 8 comments 2022-11-02
- Take full backup of Elements, enable verbose logging, limit volume of data for testing phase (1 day) 2022-11-05
- Test and review crosswalk (1 week) Jim Ottaviani - Mon, Nov 12
- Adjust and retest crosswalk (1 week) 2022-11-19
- Enable harvest (1 day) 2022-11-20

RT2 - Deposit Crosswalks

- Identify functionality required for crosswalk Jim Ottaviani - Tue, Nov 27
- Build the crosswalk mail 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
<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>artefact Field usage for type 'artefact'</th>
<th>Source field for type 'artefact'</th>
<th>book 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
- arXiv.org
- Crossref
- Europe PubMed Central
- CInii
- PubMed
- RePEc
dblp

Altmetric
Online attention tracking for over 12m outputs

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

Dimensions
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
Discovery and analysis platform for data feeds from UMich Elements system. Currently includes:
- 4,895 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
- 424k clinical trials
- 361k policy documents

Deep Blue
Institutional Repository (Dspace)

Elements
Reporting Database SQL Reporting layer used to support other internal reporting

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)