LD4 Discovery Affinity Group Charge

Rationale

There is a pressing need to provide concrete demonstrations of the benefits of linked data in order to help motivate the transition of library catalogs from MARC. Within LD4P3, work to enhance the discovery of library resources is the focus of WP3: Discovery. Within LD4P2, similar work was the focus of LD4P3 WP4: Discovery. The partners had committed to working with the Blacklight framework to demonstrate enhanced discovery features such as:

1. knowledge panel in search results to present contextual information powered by linked data;
2. browsing based on authority files and links to related entities in external data;
3. semantic search, which could include laying out alternative terms in a “no results” page, suggesting semantically related terms in a type-ahead, or providing richer, geo-based browse by leveraging URIs for places; and
4. microdata on item pages to enable machine crawling.

In all of these areas there is opportunity for community input on and discussion of the best approaches and the desired outcomes. The LD4 Discovery Affinity Group will provide a forum for these discussions, with the following goals:

- identify exemplar systems/features the demonstrate the benefits of linked data and could be applied to library resources
- identify opportunities for enhanced discovery of library resources using linked data that can be implemented in the short to medium term
- document connections between cataloging practices and discovery outcomes
- document effective assessment approaches
- provide advice to LD4P3 partners for WP3: Discovery
  - (previously provided advice to LD4P2 partners and cohort members for WP4: Discovery)

Approach

- Co-chaired by Astrid Usong & Huda Khan
  - Jessie Keck: co-chair from 2019 - 3/2021
  - originally chartered and chaired by Tom Cramer and Simeon Warner
- Bi-weekly calls (see below):
  - Announce on #general and #discovery
  - Public notes in Google Drive: https://drive.google.com/drive/folders/1Un3ALFr1zKROYr9b6h5VGX4lkxZ6SgQC
  - Topics seeded in advance, with a few key speakers drawn from community, then discussion
- Dedicated, open Slack channel in LD4 – #discovery
- Dedicated, open Google Group – ld4-discovery
- Share brief updates on all hands calls
- Consider face-to-face sessions at the LD4 conference each Spring

Calls and topics

Calls bi-weekly, Tuesdays, 9am PT / 12noon ET, 5pm UK, 6pm CET, https://cornell.zoom.us/j/1771983227?pwd=U1N1bVp3KO3Jmz3U3NaUQzSURkT0JhQT09 (Note change to Zoom URL)

Calls are expected to continue through the length of the grant and hopefully beyond.

- 2021
  - 2021-12-07 Year in review and plans for next year / Recording
  - 2021-10-26 User research around image resources (including D4H IIIF research) / Recording (+ a few minutes at the end)
  - 2021-10-12 LINCUS user research and lessons / Recording
  - 2021-09-28 Linked data sources and examples of use / Recording
  - 2021-09-14 Open office hours and linked data systems list / Recording
  - 2021-08-17 Linked data systems and knowledge panel white paper / Recording
  - 2021-08-03 Conference recap and linked data systems list / Recording
  - 2021-07-06 LD4 session and next meeting / Recording
  - 2021-06-22 Affinity group outputs / Recording
  - 2021-06-08 Roadmap continued and user research /Recording
  - 2021-05-25 Topics and roadmap / Recording
  - 2021-05-11 Visualizations of library collections / Recording
  - 2021-04-27 BIBFRAME and Discovery: Framing the discussion / Recording
  - 2021-04-13 LD4P3 Discovery Work (Dashboard!) / Recording
  - 2021-03-30 Best Practices for Authoritative Data/ Recording
  - 2021-03-16 Crossover episode part 2 with Wikidata Affinity Group; OCLC CONTENTdm Pilot / Recording
  - 2021-03-02 Crossover episode: Discovery for Humans IIIF/ Recording
  - 2021-02-16 Processing incorrect data (or data you need to update locally) / Recording
  - 2021-02-02 The once and future knowledge panel / Recording
  - 2021-01-19 Open call for which topics to discuss this year / Recording

- 2020
  - 2020-12-08 Knowledge Panel white paper, ethics, end of year recap / Recording
  - 2020-11-10 ResearchSpace demo / Recording
  - 2020-10-27 What's linked data got to do with user actions? / Recording
  - 2020-10-13 Solr APIs, relatedness, Blacklight Virtual Summit recap / Recording
  - 2020-09-29 Entities and example interfaces / Recording
  - 2020-09-15 Indexing and entities, continued / Recording
  - 2020-09-01 Indexing graphs and entities / Recording
Discussion materials and references (e.g. slides, documents, etc.)

- **Knowledge panels**
  - Running slide deck of examples
  - Spreadsheet reviewing (1) data we would like to include and (2) data we have now (started by Steven Folsom with contributions from others)
  - Data Sources for Knowledge Panel (Hilary Thorsen)
  - Zotero references (Dan Scott)

- **Index time processes**
  - Architectural/search index review of when/how to integrate data (Michael Gibney)

- **User stories and usability**
  - Browsing, search, and open-ended discovery
  - Running slide deck of examples
  - Search demo incorporating Wikidata and LOC content
    - https://github.com/thisismattmiller/wiki-knowledge-panel
    - https://thisismattmiller.github.io/wiki-knowledge-panel/ (Matt Miller)
  - Searching across libraries and reconciling information between LC authorities/subject headings and Wikipedia
    - Forward to Libraries and integration in online books site
    - LC mapping to Wikipedia dataset

- **Data analysis**
  - Data and Discovery
  - Wikidata queries for discovery (Steven Folsom)
  - University of Chicago ShareVDE/OCLC analysis: Report, Presentation
  - Running list of data sources with brief summary (Collaborative)
  - See also spreadsheet reviewing data to include and data sources under knowledge panels section above

- **Overview of questions at different levels** (data, index, interface)

- **Additional references**
  - LD4 Conference birds of a feather discussion

Possible future call topics

- examples of knowledge panels. What works, works well, where is data coming from?
- can you tell if schema.org <http://schema.org> works / is worth the effort?
- how Wikidata can make Library discovery better
- cohort Discovery projects: Yale, UC Davis, Harvard, etc.
• what examples of browse interfaces to you have / like?
• semantic search? advanced discovery?
• how do you assess impact of exposing your metadata as LOD?
• tips and tricks for better metadata production
• "if I do x in my catalog record, I get y result"
• other topics as they arise...