Applied Linked Data Group: Current status / summary (newcomer's perspective)

Members of the group are not currently engaged in coordinated development of a product on any timeline. Individuals are working in various directions and advising / consulting one another.

Area: Linked Data Fragments

- purpose: Caching remote data for local use
  - See notes from LDCX 2015: https://docs.google.com/document/d/1wC8kbAyI9w_SSQMP3JbZDBkRZmk7JACQq5cqNhlxXdg/edit#heading=h.m3b3ww2wxuh
- Current plan is to use Linked Data Fragments (LDF)
- and, within LDF, triple pattern fragments: http://linkeddatafragments.org/in-depth/#tpf
- lightweight querying, not the whole SPARQL interface.
- Work is begun in ActiveTriples: https://github.com/ActiveTriples/linked-data-fragments/
- you send it a subject and it gives you back everything about that subject. caching happens in the back. implementation does this with switchable back ends, currently best with marmotta.
- "A Hydra Ontology endpoint that caches resources from remote dataset and returns: { <subject> ?predicate ?object . }" (2015-05-28)

Area: Indexing / Solr

- If an entry changes, it will need to be re-indexed in every solr document containing that entry.
  - Therefore, we must use atomic updates.
  - Therefore, all fields in solr must be stored
  - Therefore, we need a way to exclude full-text fields from document retrieval or everything will take one million years.
    - This does not currently exist in solr but the group is in contact with a solr developer who is willing to help.
    - https://issues.apache.org/jira/browse/SOLR-3191
    - Note some discussion of how to use this once it's ready on 2015-12-10
  - Related: 'side-car indexer' described as 'Option 3' on 2015-04-29.

Area: Making assertions about external triples

- Members of this group are very early in explorations of this work.
  - Want to make a local correction or add additional info / context to a triple owned externally
  - Implies that we need the external resource to be versioned, which necessitates caching.
  - Also want to record author of the assertion
  - Can be done with either named graphs or reification.
  - Also discussed on 2015-08-06 as 'meta-authority records'

Area: Generally sharing projects and helping one another

- Working around usage Limits from LC (2015-01-07)
- How to link the same concept in two vocabularies (2015-01-07)
- Minting Linked Data URIs / Hosting Linked Data Vocabulary: https://github.com/OregonDigital/ControlledVocabularyManager (2015-11-12)