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/1wC8kbAy19w_SSQPMPJbZDBkRZmk7JACQq5c9NhAx6d/edit#heading=h.m3d3swo2wxuh
- **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
  - Note this is not a concern if you don't have any full-text data
- 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)