LD4P Outputs

This is a list of outputs from the LD4P, organized by type of deliverable. For detailed information on each project in LD4P, see the individual Project Pages. Some of the outputs from our partner project, LD4L-Labs, are included below; for the full list see LD4L Labs Outputs.

Linked data descriptions of library resources

- Natively created descriptions of select items in Cornell's Hip Hop collection (nquads format)
- Encoded dedications (natively created) and BIBFRAME records (converted from MARC) for a representative selection of items in Princeton's Derrida collection
- Library of Congress BIBFRAME Work (over 19 million) and BIBFRAME Instance (around 24 million) descriptions, converted from MARC. Background and instructions: Bulk downloads of Works and Instances; data available at http://id.loc.gov/download/

Ontologies

- Art and Rare Materials (ARM) BIBFRAME ontology extensions (includes modeling documentation and ARM vocabularies)
- Geospatial and Cartographic Resources Ontology (GCRO) (includes modeling documentation)
- LD4L Film ontology (and modeling documentation)
- Performed Music Ontology (and PMO vocabularies and modeling documentation)
- bibliotek-o (includes modeling documentation)
- Library of Congress BIBFRAME ontology (*while developed prior to LD4P, BIBFRAME was further developed during the course of LD4P, with significant input from LD4P participants)* and public feedback mechanism
- Ontology versioning and change management best practices (from ARM)

Application profiles

- Art and Rare Materials (ARM) application profiles (used with VitroLib)
- Cornell Hip Hop LPs application profile (used with VitroLib)
- Recommendation for SHACL maintenance and development
- CEDAR templates for RDA book work and instance and digital repository self-deposit (create CEDAR account to use these)

Mappings to linked data

- Columbia University Library's Art Properties metadata to ARM ontology
- MARC 382 field to Performed Music Ontology (PMO)
- Library of Congress' MARC 21 to BIBFRAME 2.0 (see also conversion tool and service below)
- MARC BSR to bibliotek-o
- Harvard Geospatial Library FGDC and Harvard Film Archive metadata to BF/bibliotek-o (see also conversion tools below)
- BIBFRAME-to-Solr (and SPARQL queries for Solr mapping)
- Tabular MODS-based metadata to BIBFRAME for Stanford sample collection (and Ruby conversion script)

Workflows for producing linked data

- Stanford Tracer Bullets

Tools

Visualization

- LD4L-Labs' Visualization Tool Prototype for Harvard geospatial and film metadata

Conversion / transformation

- Scala/Kafka/Spark Linked Data Pipeline for converting MARC to BIBFRAME and Reactive pipeline demo
- Library of Congress MARC to BIBFRAME converter and conversion viewing service
- LD4L-Labs' MARC to bibliotek-o converter with extensions for converting FGDC and Harvard Film Archive (HFA) data

Native linked data creation (Editors)

- LD4L-Labs' VitroLib Metadata Editor

- Princeton's in-house annotation editor
- App to fetch folder contents from CEDAR and post them to a triplestore

Repository

- Biblioportal ontology repository (library-specific implementation of Stanford University's BioPortal)

Tool requirements and evaluations

- Registry of Tools used in LD4P
- Requirements for and evaluations of form-based linked data editing tools (CEDAR, Library of Congress BIBFRAME Editor, VitroLib)
- Lessons Learned: VitroLib User Feedback and Usability Review
- User stories for converting MARC records to BIBFRAME

Use cases for linked data descriptions

- Use cases for art materials
- Use cases for rare materials
- Use cases for cartographic materials
- Use cases for moving image materials
- Use cases for performed music

Surveys of pre-existing work

- Cataloging Art Properties: A Literature Review for Columbia University's LD4P Project
- Environmental scan of linked data efforts related to cartographic data
- Models for Performed Music

Tutorials

- Ontology modeling tutorial: from data model to ontology (developed for LD4P RareMat / ARTFrame Meeting)
- Discovering ontologies and instance data existing terms (developed for LD4P RareMat / ARTFrame Meeting)
- OWL tutorial (developed for LD4P RareMat / ARTFrame Meeting)
- Publishing Library Authoritative Information as Linked Data

Meeting outputs

- LD4 Workshop 2018
- LD4P / LD4L-Labs Community Input Meeting, April 24-25, 2017
- In-Person Meeting of ARTframe + Rare Materials Ontology Extension (January 2018)
- In-Person Meeting of ARTframe + Rare Materials Ontology Extension (March 2017)

Presentations and publications

- LD4P Presentations and Publications
- LD4L Labs Communications and Outreach