

# Harvard Cartographic Materials

## About the Cartographic Materials project

Harvard will create native Linked Data descriptions for a selection of library cartographic resources including printed maps, atlases, digital geospatial datasets, and other cartographic information resources.

Together with LD4L-Labs partners, Harvard will convert a set of Harvard Geospatial Library metadata records into linked data descriptions.

**Note:** Documentation, ontology files, and data being created to support the Cartographic Materials extension project are available at the [LD4P Cartographic Materials GitHub repository](#)

[Harvard Project Proposal](#)

For questions or comments, please contact Marc McGee, Geospatial Metadata Librarian, [mmcgee \(at\) fas \(dot\) harvard \(dot\) edu](mailto:mmcgee@fas.harvard.edu), or submit issues via [https://github.com/LD4P/Cartographic\\_Materials](https://github.com/LD4P/Cartographic_Materials)

## Deliverables

- Set of natively cataloged BIBFRAME descriptions for a variety of cartographic resource types using the cartographic materials extension ontology.
- Develop a set of mapping rules for Federal Geographic Data Committee (FGDC) geospatial metadata standards to linked data.
- A set of Harvard Geospatial Library metadata records converted to linked open data using the cartographic materials extension.

## Current Activities

*Last updated: 7/17/2018*

### Analysis/Modeling

- Finalize supporting documentation for the Geospatial and Cartographic Resource Ontology (GCRO), including recommendation papers and graphic models (July 2018)
- ~~Create a Geospatial and Cartographic Resources Ontology (GCRO) SHACL application profile (deferred to future date)~~

### Production Cataloging

- ~~Test cataloging of a selection of geospatial and cartographic resources using the GCRO application profile in the Harvard geospatial data instance of VitroLib (deferred to future date)~~

### Visualization work

- Completing [demo visualization tool](#) for converted geospatial metadata collections (January-June 2018)

[See Harvard LD4L Labs wiki for documents](#)

## Completed Work

*Last updated: 4/27/2018*

### Analysis/Modeling

- Completed field mappings for geospatial metadata conversion: FGDC to bibliotek-o + Geospatial and Cartographic Resources Ontology (GCRO) extensions (3 /2017)

### Data conversion

- Converted a set of 8,800 [Harvard Geospatial Library](#) and 5,100 [Stanford Earthworks](#) geospatial metadata records to the target geospatial LOD ontology
- Reconciled agent names, topic keywords, places of publication, and place keywords to linked data entities in the converted data sets
- Data loaded into Harvard geospatial data instance of VitroLib

[See Harvard LD4L Labs wiki for documents](#)