Data Model for Georeferenced Maps using HydraWorks & PCDM

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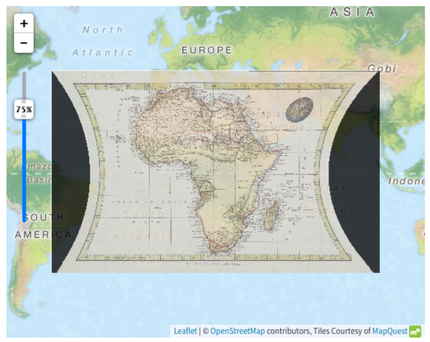
The Hydra GIS Data Modeling Working Group is developing models for geospatial (GIS) data in Hydra. This work aims to: (a) provide common GIS data models for shared tools to enhance interoperability among Hydra institutions, (b) drive shared approaches to metadata, workflows, and best-practices for managing GIS content in Hydra, (c) provide a starting point, a pathway, for newcomers who want to manage GIS data in Hydra, and (d) promote stewardship of GIS resources in a Hydra repository.

Below is one of these geospatial data models for Georeferenced Maps, which have scanned maps (e.g., from a historical paper map), georeferenced (georectified) maps that are viewable on a basemap, and optionally feature extractions from the map (e.g., points, lines, polygons to represent towns, roads, areas, etc.). It uses PCDM as the core data model, and the HydraWorks model for GenericWorks and GenericFiles.

georectification



vectorization