

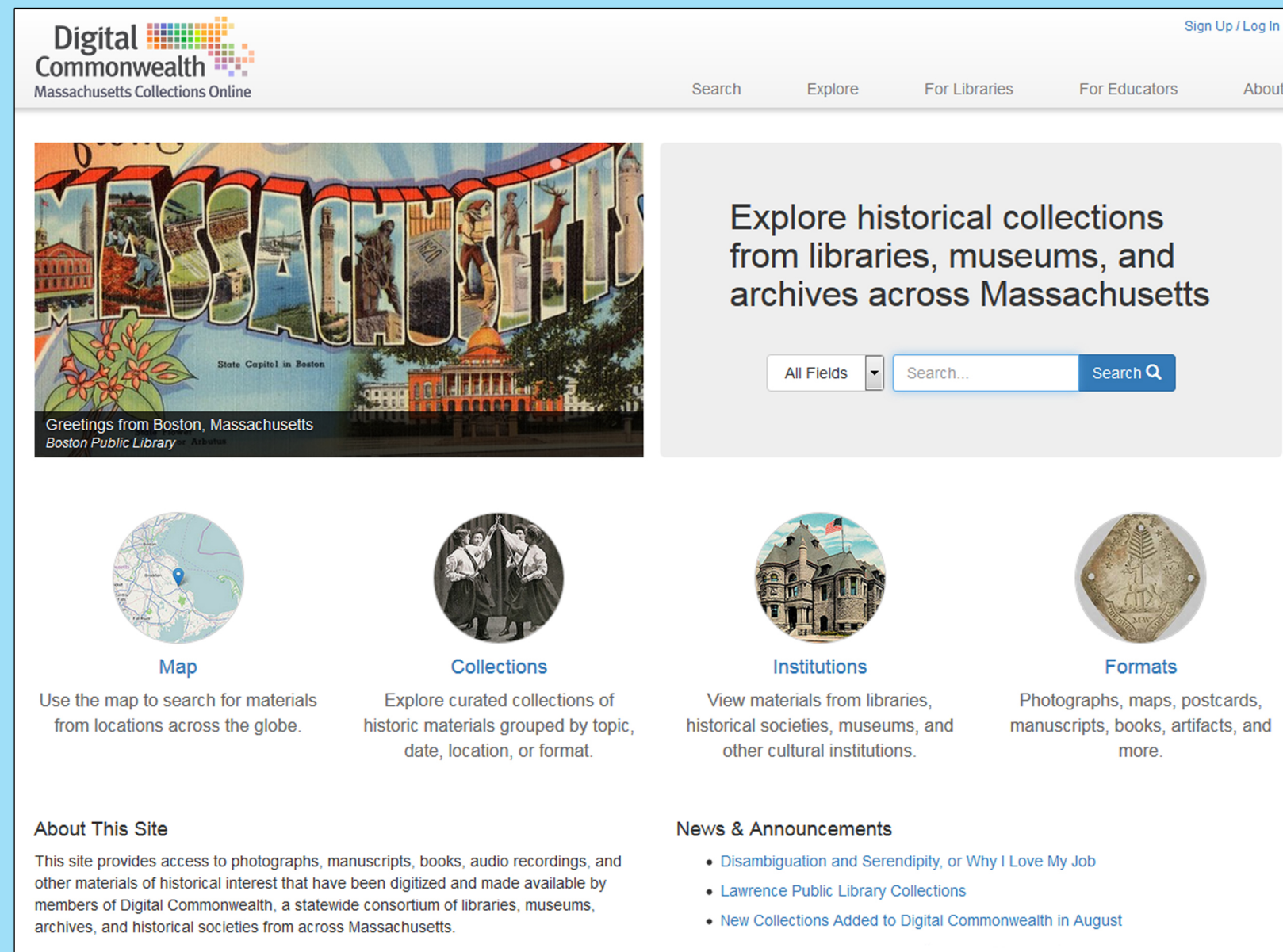
Digital Commonwealth: A Repository for Massachusetts Libraries

digitalcommonwealth.org

github.com/boston-library

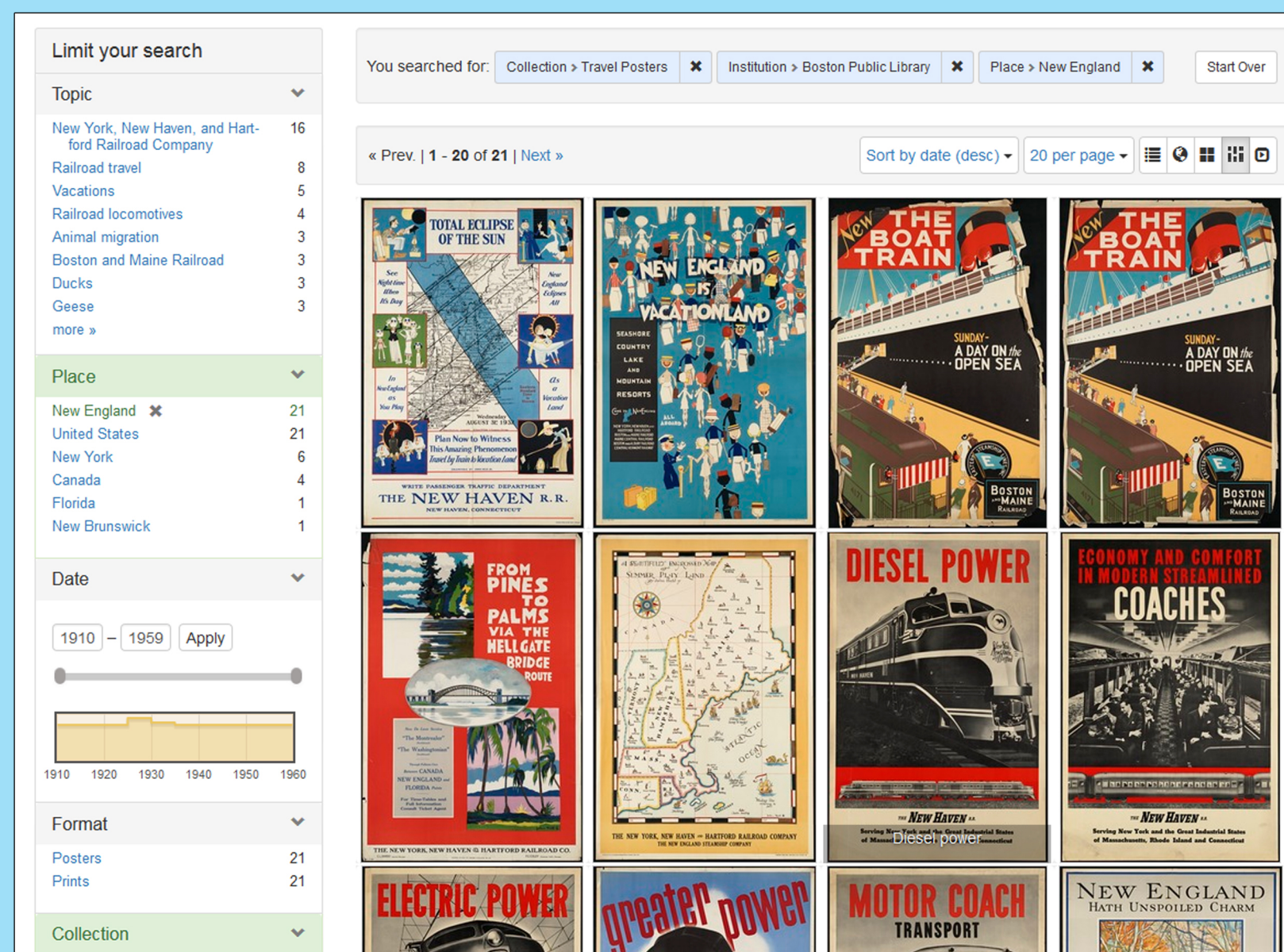
What is Digital Commonwealth?

A CONSORTIAL REPOSITORY



Digital Commonwealth is a repository for digital objects and metadata for items from over 150 Massachusetts cultural institutions. Most of these libraries don't have the resources to maintain a repository, so this system provides a vital service they can depend on to manage and preserve their digital assets.

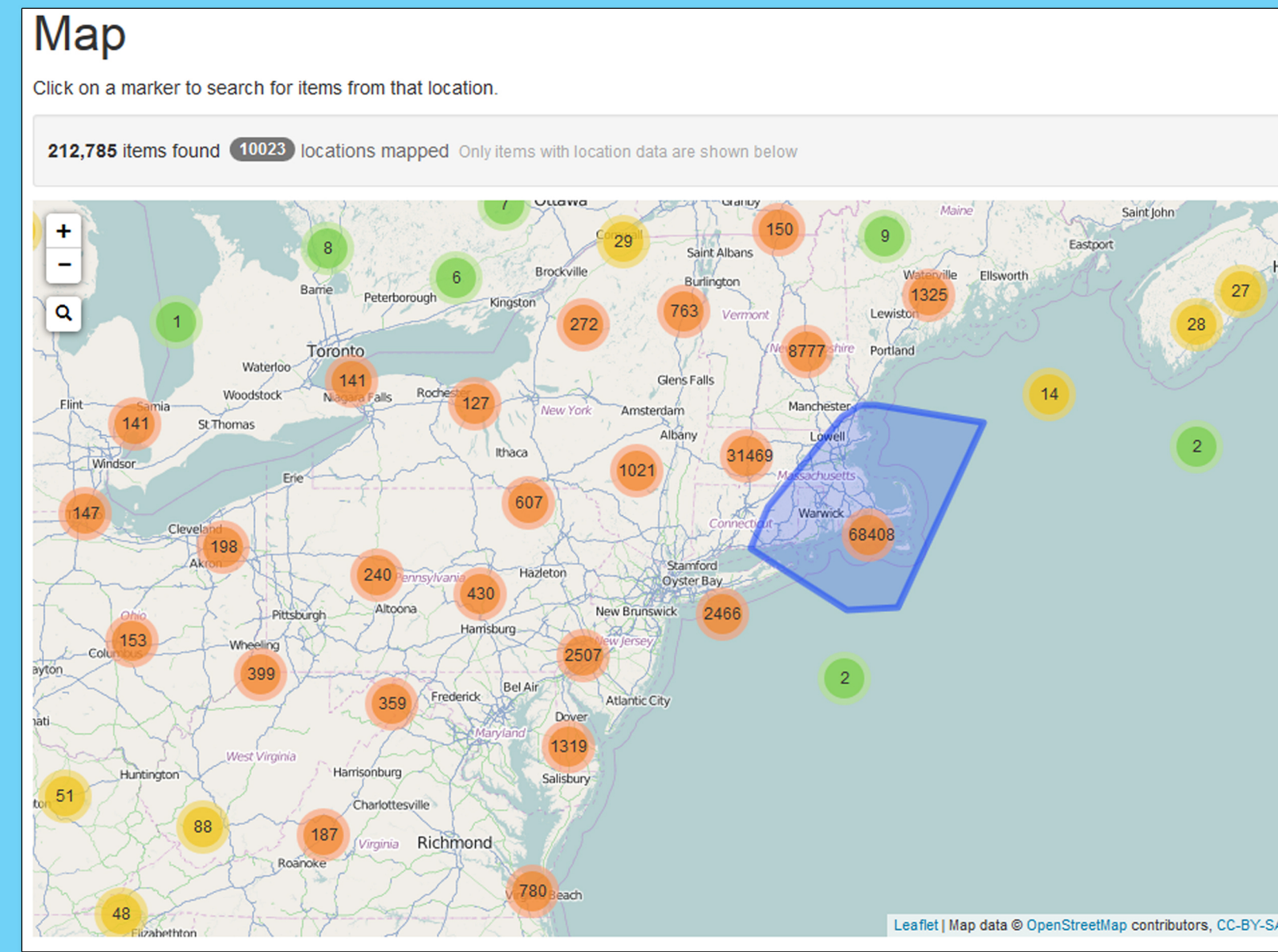
A CONTENT HUB



The front-end search interface offers access to over 400,000 freely-accessible images, documents, and sound recordings. Digital Commonwealth is also a DPLA Service Hub that aggregates metadata records in order to provide DPLA with normalized metadata records through a single OAI-PMH data feed.

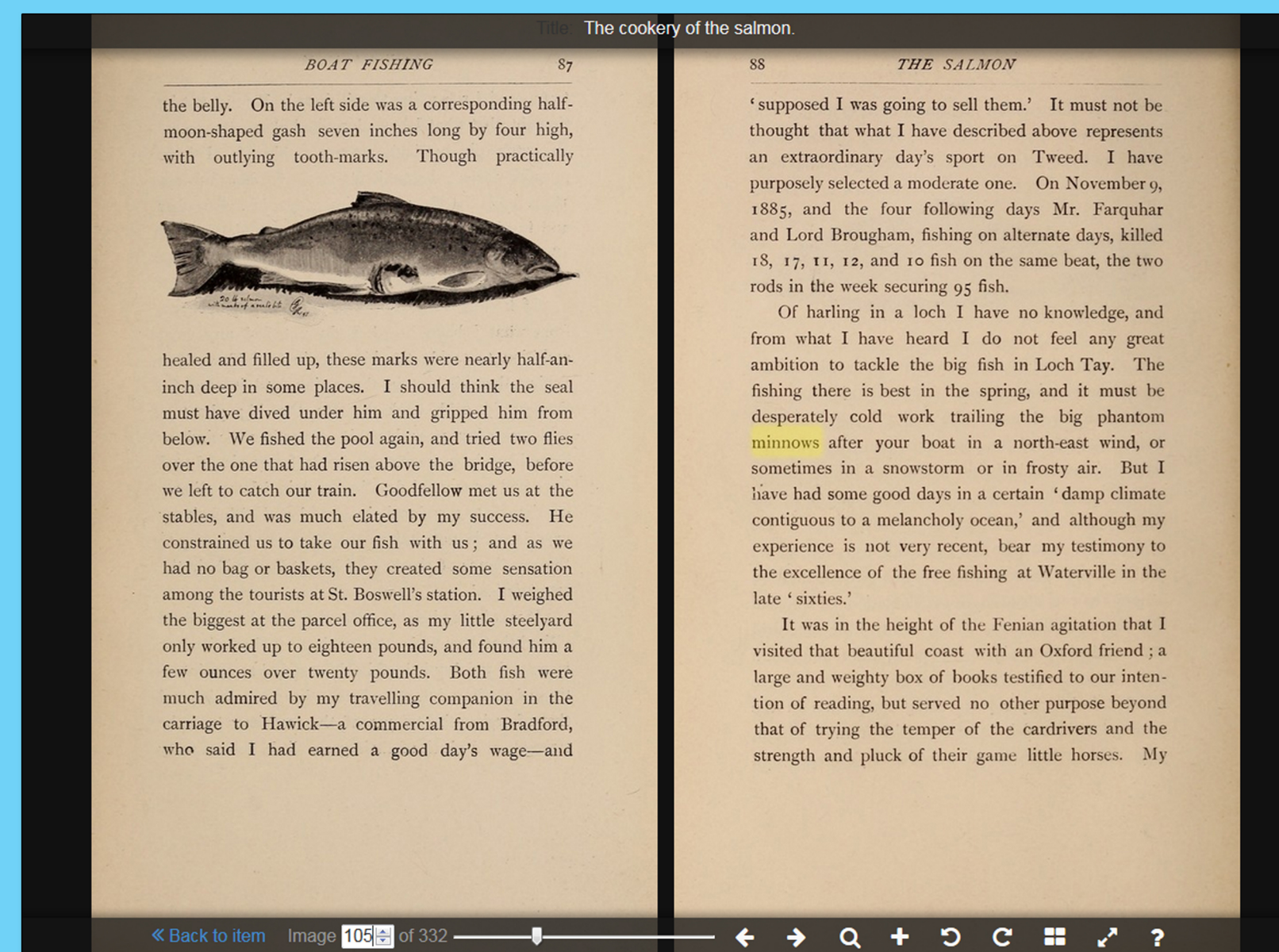
What's interesting about our stack?

BLACKLIGHT-MAPS



The blacklight-maps gem provides map views in Blacklight for items with geospatial metadata. Items with longitude/latitude or bounding box coordinates appear as markers or clusters. Clicking a marker opens a popup with location data and a link to search for more items with similar geographic features.

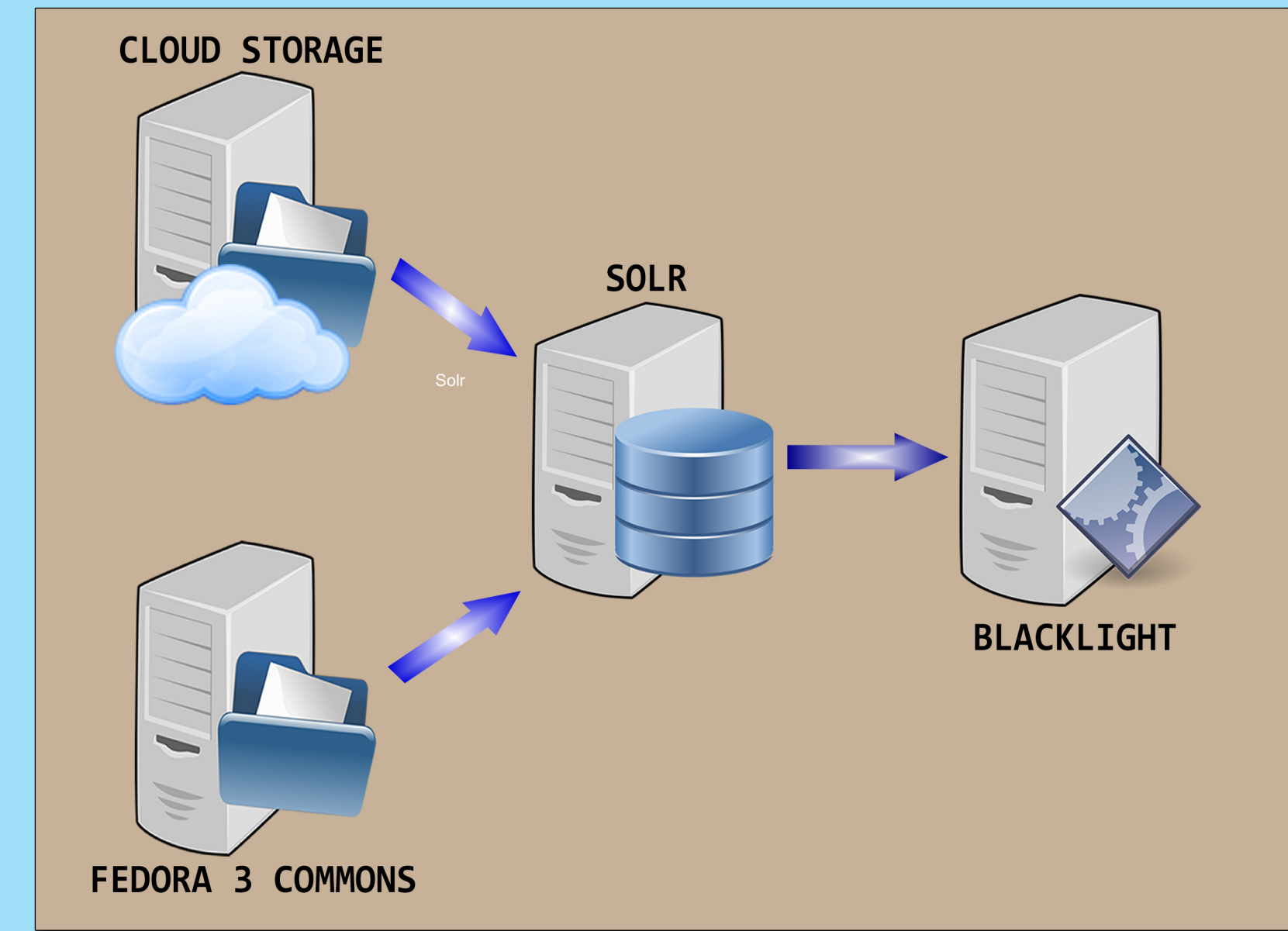
PAGED MEDIA VIEWER WITH FULL-TEXT SEARCH



Based on the wd1-viewer JS library from Library of Congress, the integrated page-turner interface delivers mobile/tablet responsiveness and a robust feature set: OpenSeadragon zoom, specific-page navigation, thumbnail view, image rotation, full-screen, keyboard shortcuts, and full-text search with highlighting.

What are we working on now?

FEDORA-LESS HYDRA + AMAZON WEB SERVICES



We are exploring replacing Fedora with AWS. Cloud storage can grow on demand and handle file management concerns. We can use RDBMS or NoSQL for metadata (using RDF-style modeling from Metadata Interest Group work), alleviating performance and complexity issues with triplestores/SPARQL. Our front-end has no Hydra/Fedora dependencies (only Solr+IIIF); no refactor needed.

A GEMSET FOR NEWSPAPERS IN HYDRA



In partnership with the Univ. of Utah, we have submitted a \$250K IMLS grant application to develop a set of gems for ingesting, migrating, and disseminating newspaper content in Hydra/Fedora. See the Hydra Newspapers Interest Group or the Newspapers in Hydra unconference session to get involved!