Linked Data Technologies for Canadian Humanities Research Infrastructure
Problem:
● Digital Humanists → complex, diverse, unstructured and semi-structured “cultural heritage” data
● Plenty of data, often uncontextualized, disconnected from related data

Solution:
● The Linked Infrastructure for Networked Cultural Scholarship (LINCS) Project
● National cyberinfrastructure project converting and publishing cultural heritage data as LINKED OPEN DATA

What is Linked Open Data?
● Encode pre-existing structured data with semantic meaning
● Standardized trusted vocabularies (e.g. Library of Congress, Geonames, Wikidata, etc.) and formalized ontologies (e.g. CIDOC-CRM, FRBRoo, etc.)
● Standard protocols (e.g Resource Description Framework (RDF), HTTP, SPARQL, etc.)
● Ubiquitous on the Web as metadata (e.g. Schema.org, open graph (og), etc.)
● Applications in artificial intelligence, machine learning, etc.
● Examples in the wild include Wikidata, Google knowledge panel, Library of Congress Linked Data Service, Europeana, and many other cultural heritage institutions.

Why linked open data?
● Bring siloed data together, integrate it, share and discover
● Add meaningful connections to otherwise disconnected data
● Leverage that meaning to find shared meaning between datasets
More Information

LINCS Project Website

LINCS Gitlab Repository

LINCS Kubernetes Configurations