

Linked Open Data - the value-add to a postcard collection

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Access 2015

Linked Datasets as of August 2014



Peel Prairie Postcards Collection

Prairie Postcards

Activities & sports		Animals		Buildings	
Business & industry		Events		Land & land use	
Natural phenomena		Objects		Organizations	
People		Plants		Vehicles	

Background

- Enable the documentation of decisions / processes using RDF and Prov ontology.
- Promote organizational memory without too much overhead.
- Clouds of clouds -> from collections of collections to custom organizations.

Project Budget

Sharon's Budget



Rob's Budget (Matching Funds)



Manual Meta-data creation

- ‘Stub’ records (place, ID, etc.) from CSV
- In-house guidelines, use of authorities (e.g., LC)
- Largely one individual over 2 year period; other staff and student assistance prior to launch
- Final QA before launch; minor cleanup and enhancements ongoing

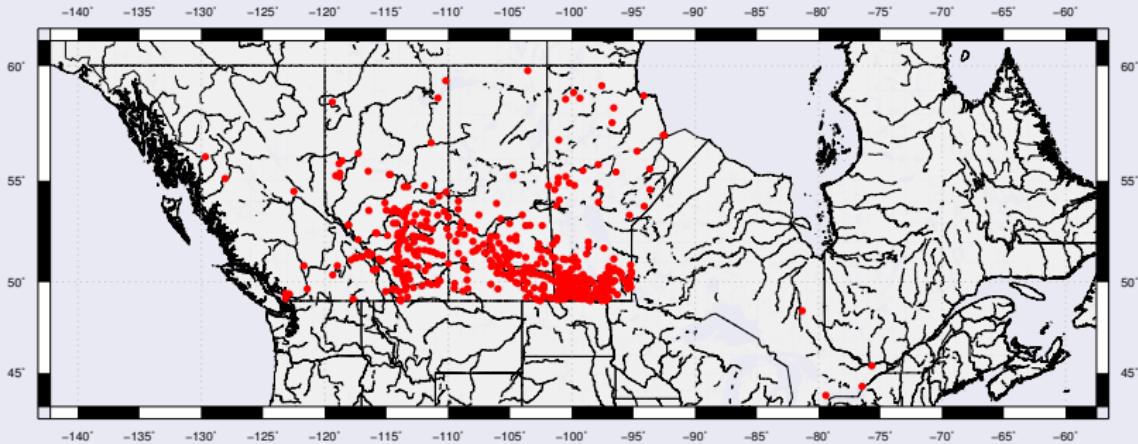
Tools and Processes

- Mods XML to rdf via LC stylesheet (with minor edits)
- Mads style generation from mods generation.
- Additional RDF next from original XML Mods.

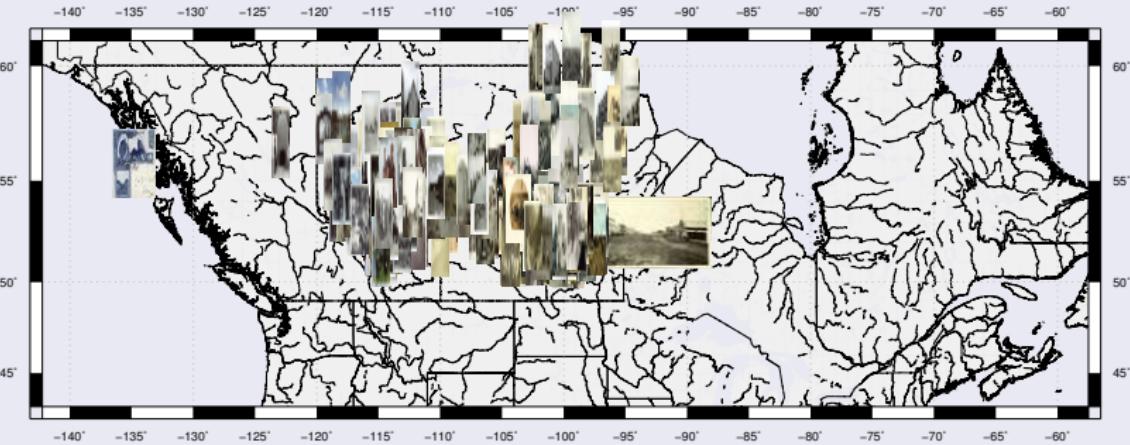
From strings to URIs

- Links to geonames
- Links to LC Subject headings
- Extract face recognition
- Extract personal names and corporate names.
- Extract colours from postcards: BW/Sepina?

URI's used



URI's used



Mads to geonames and linkgeodata

- Quality of location data ranges from great to plain wrong.
- Used geonames and linkedgeodata (OSM) api.
- Use OWL to deal with corner cases.
- Some data is likely unusable.

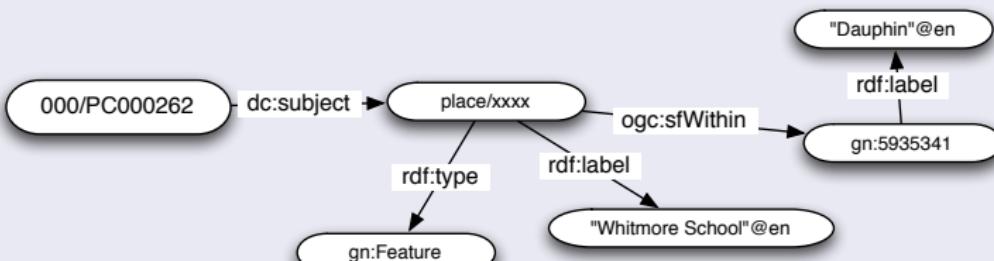
<city>**Regina?**</city>

??

<city>Trochu or Mannville</city>



<city>Whitmore School, Dauphin</city>

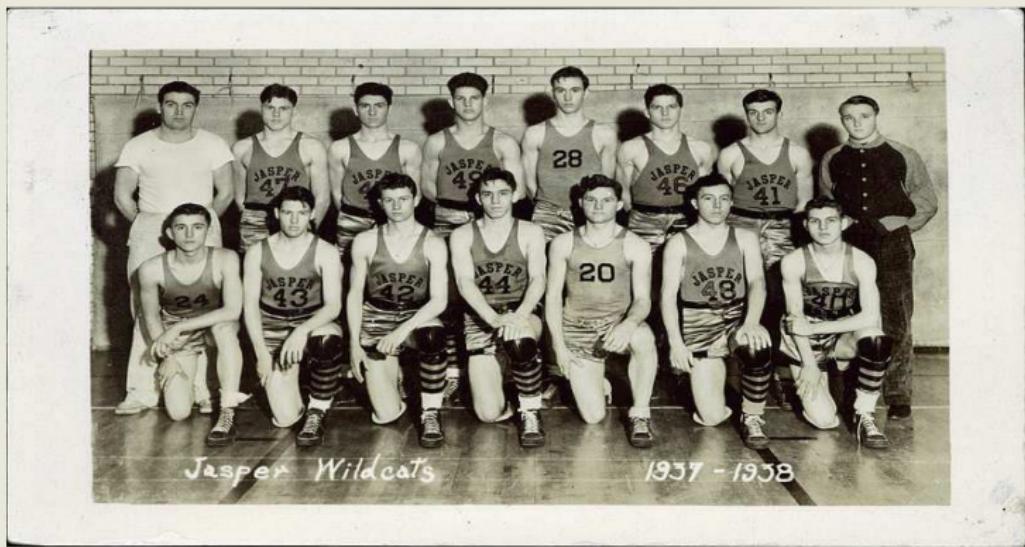


A running example

Postcard 8011

 ShareThis

Jasper Wildcats, 1937-1938. [Jasper: c1937-1938.]



Description: Group portrait of Wildcats basketball team players posing in two rows (standing and kneeling on their right knees) in front of a light colored background in a room.

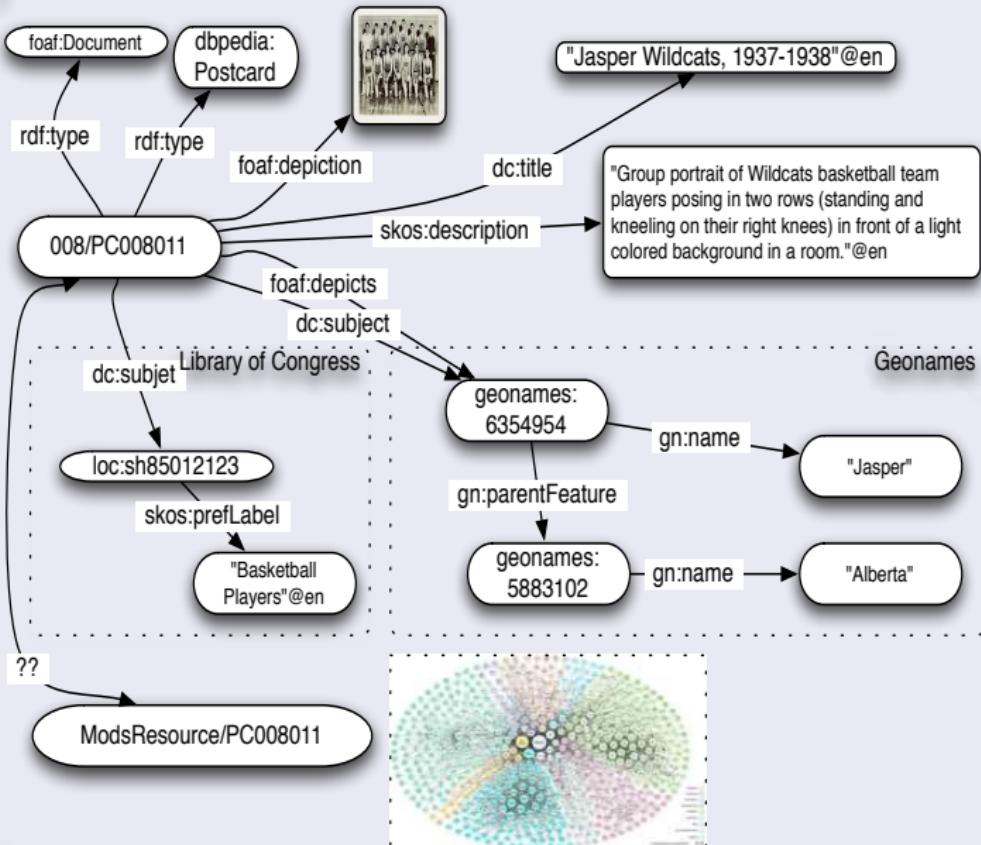
Physical description: 1 postcard : sepia ; 9 x 14 cm.

Language: English

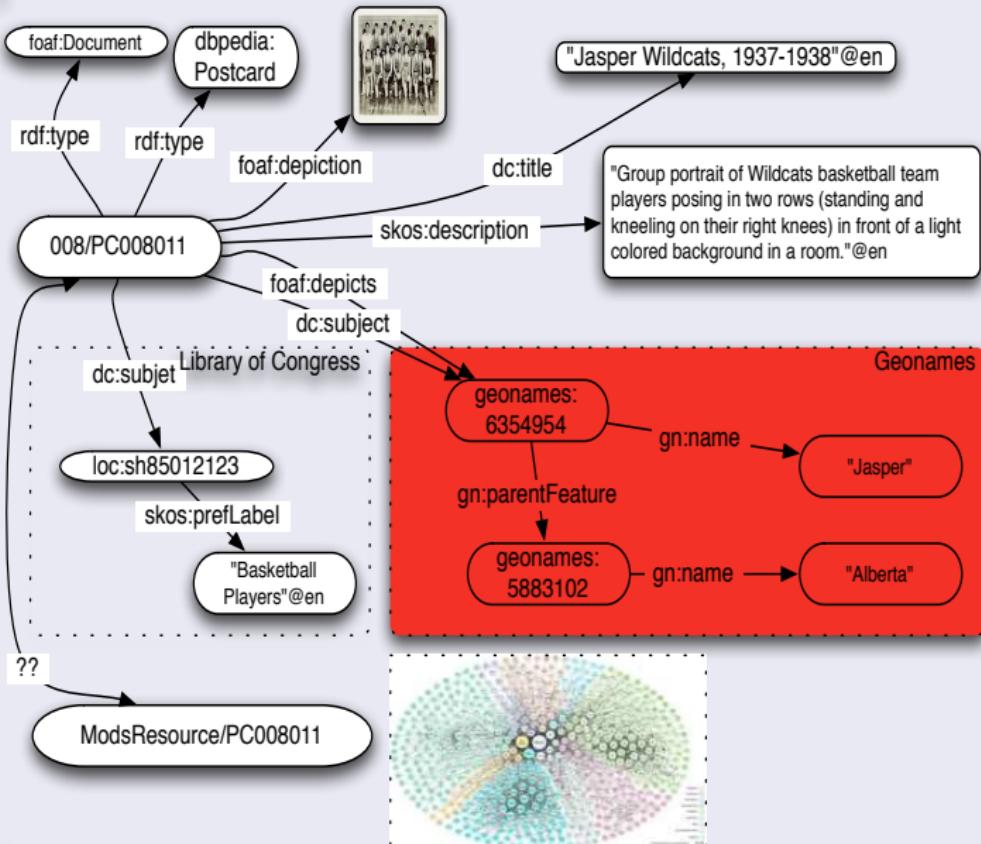
Subject headings:

- Canada--Alberta--Jasper
- Basketball players
- Sport clothes

Datasets / Process documents



Datasets / Process documents



Datasets / Process documents

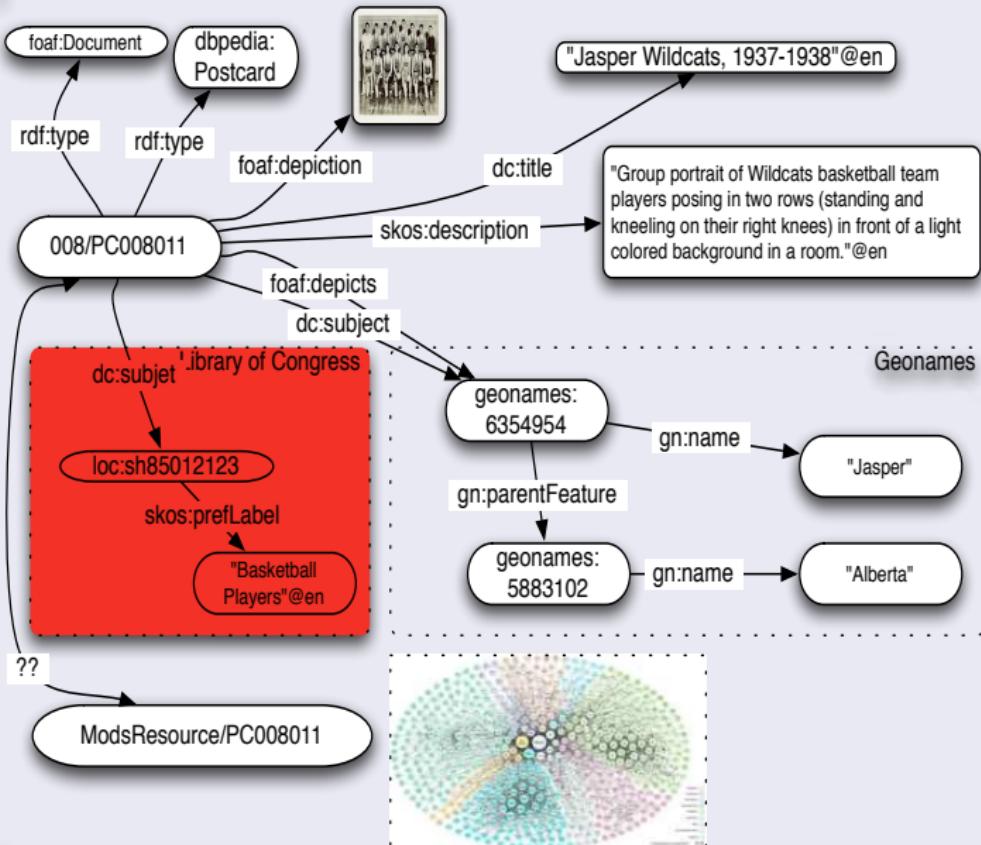


Image Analysis

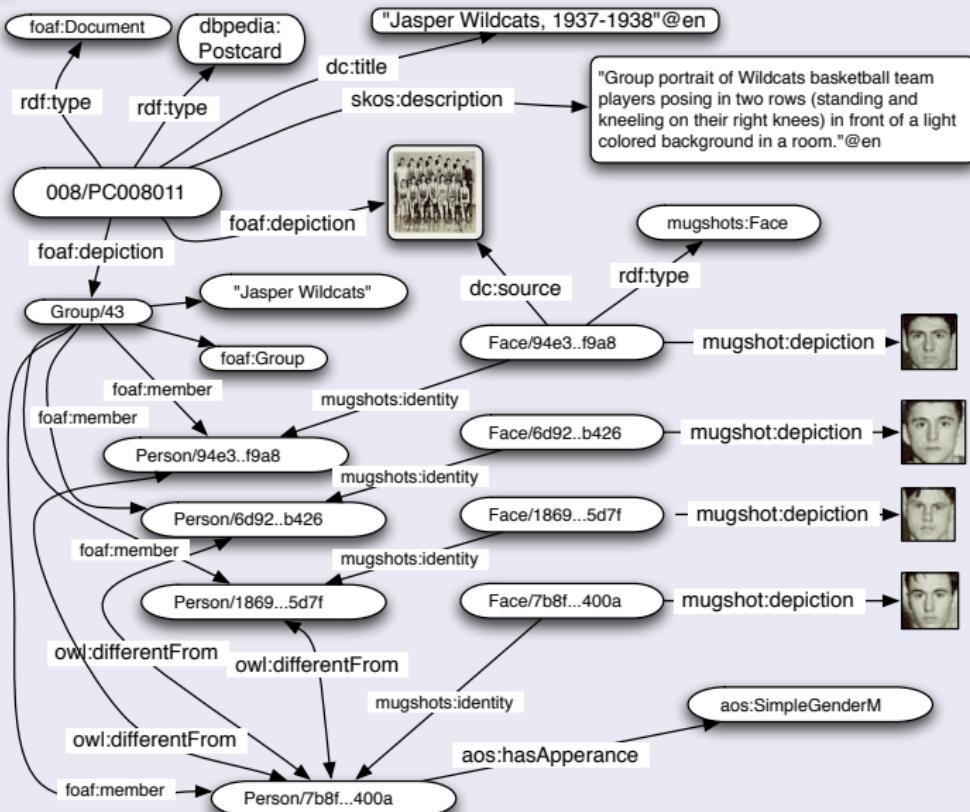


Image Analysis

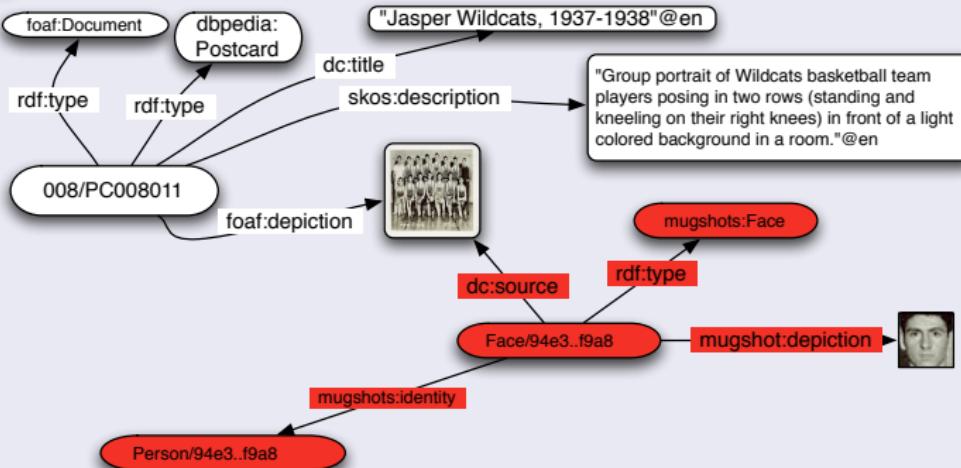


Image Analysis

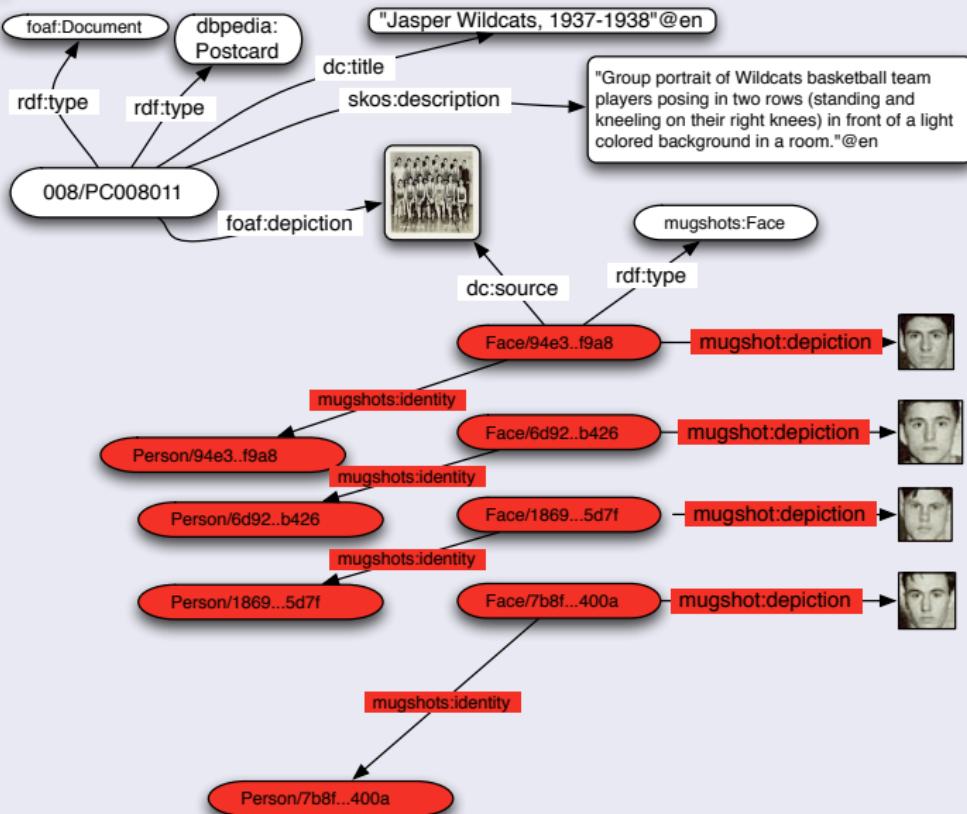


Image Analysis

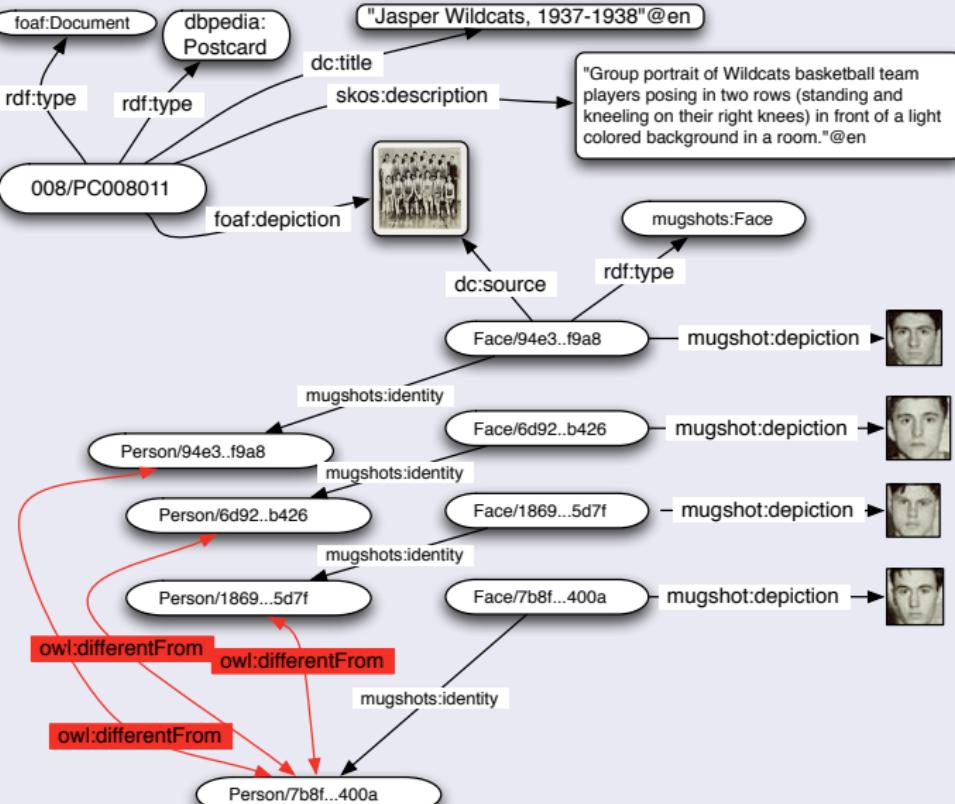


Image Analysis

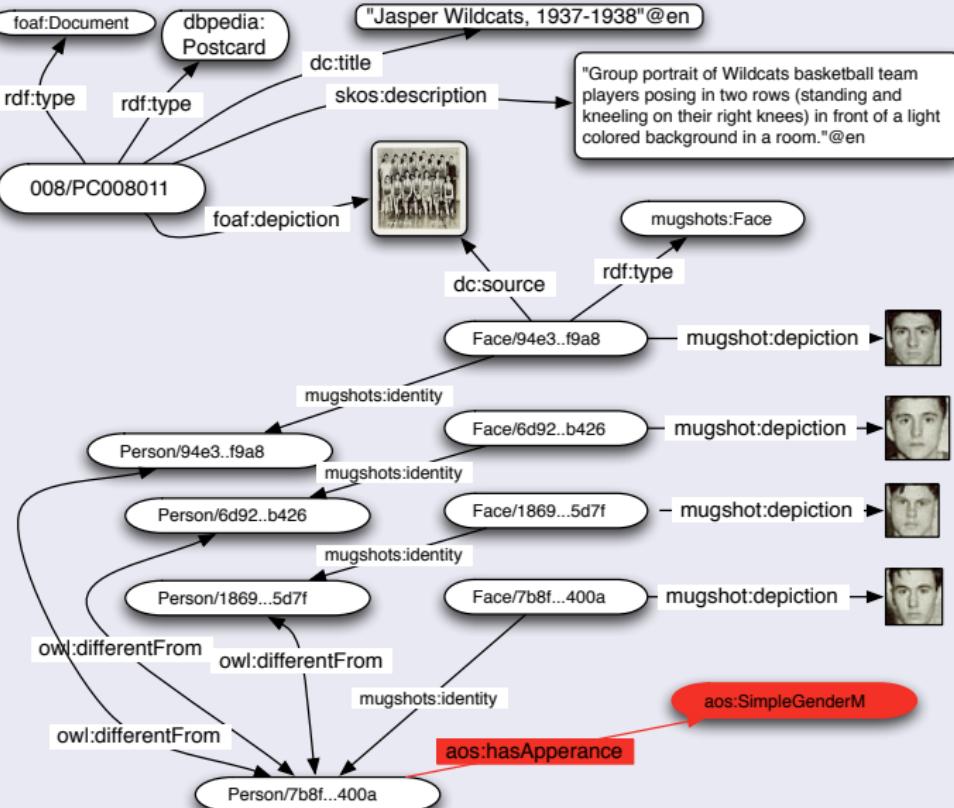


Image Analysis

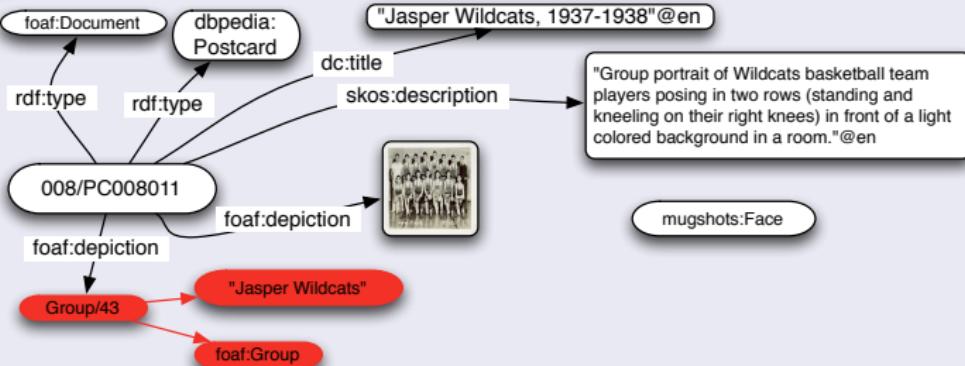


Image Analysis

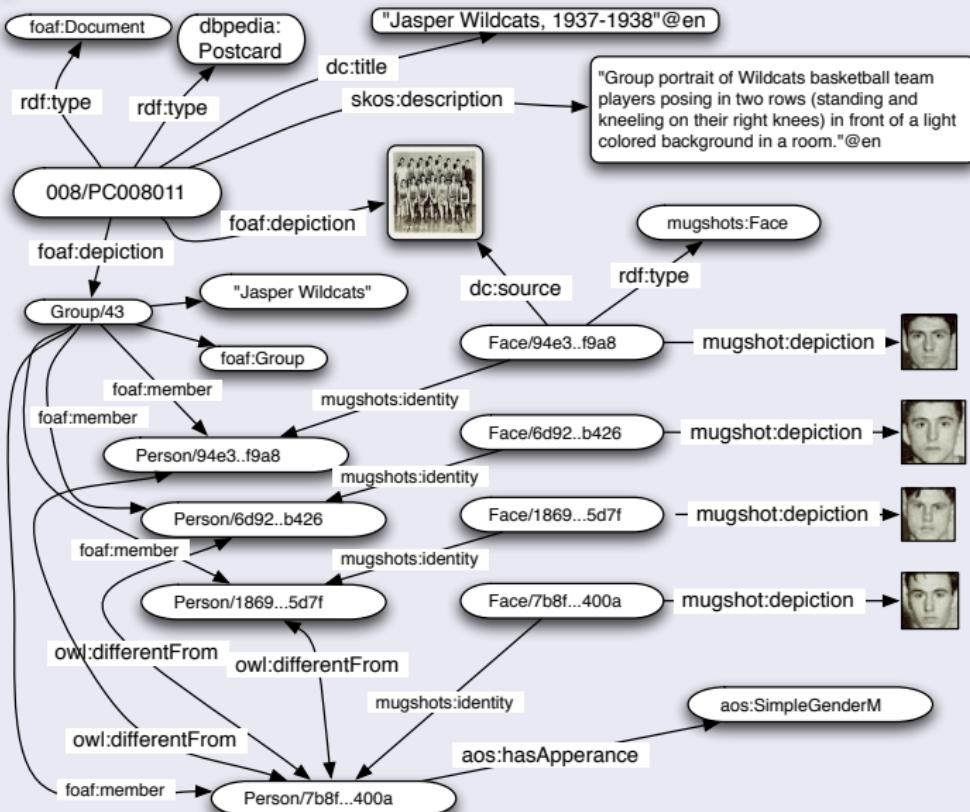
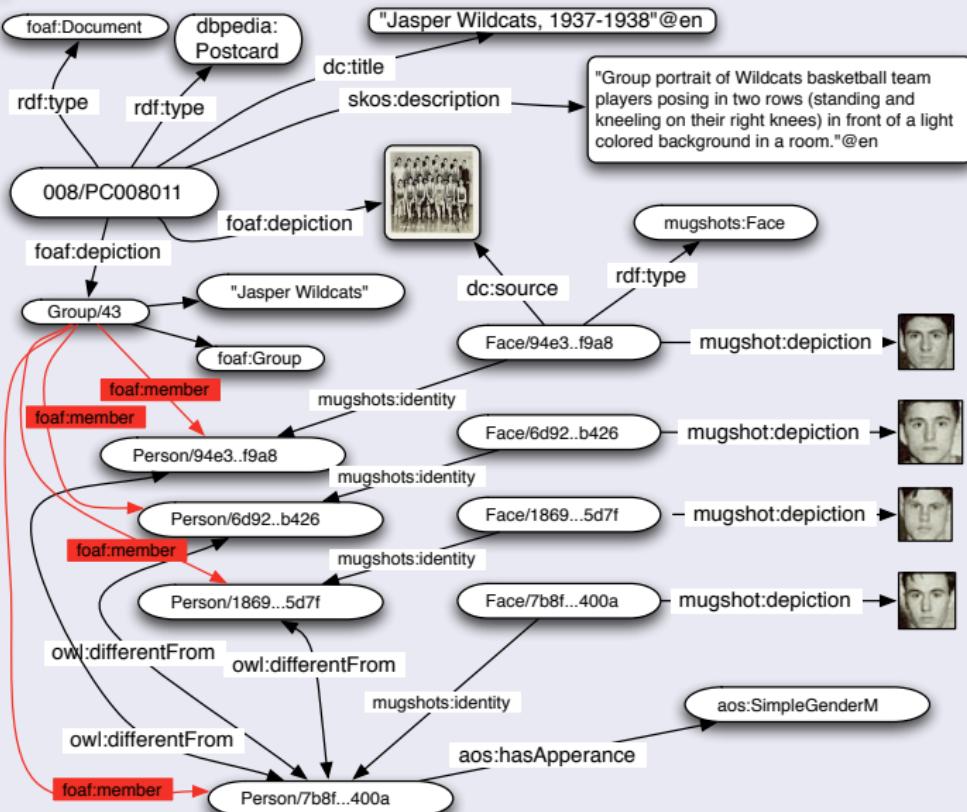


Image Analysis



Support for transcription?



McMaster Postcard Project

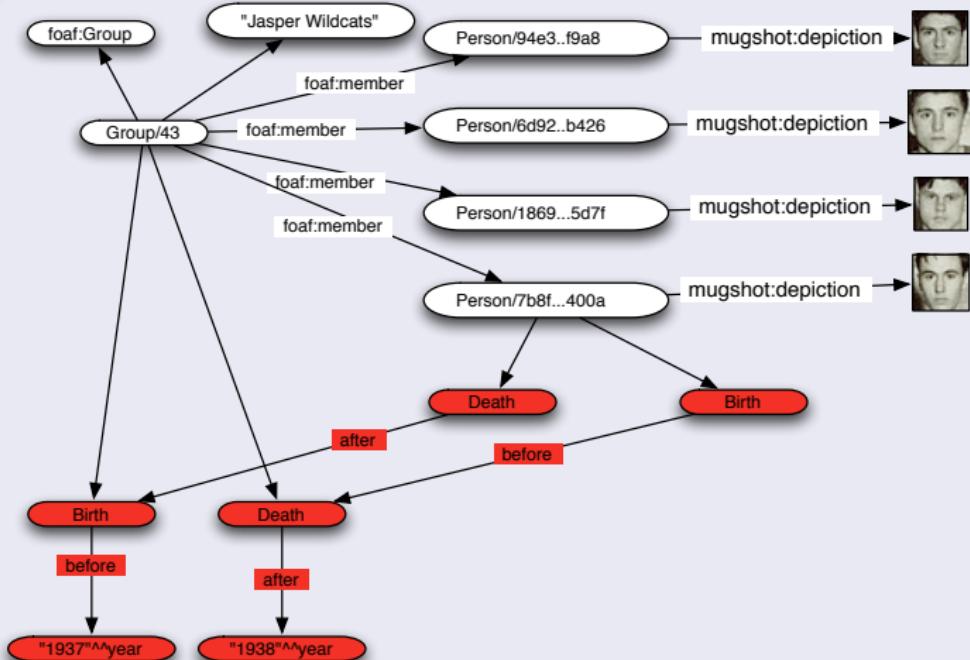
A crowdsourcing campaign to describe McMaster's historical postcard collection.

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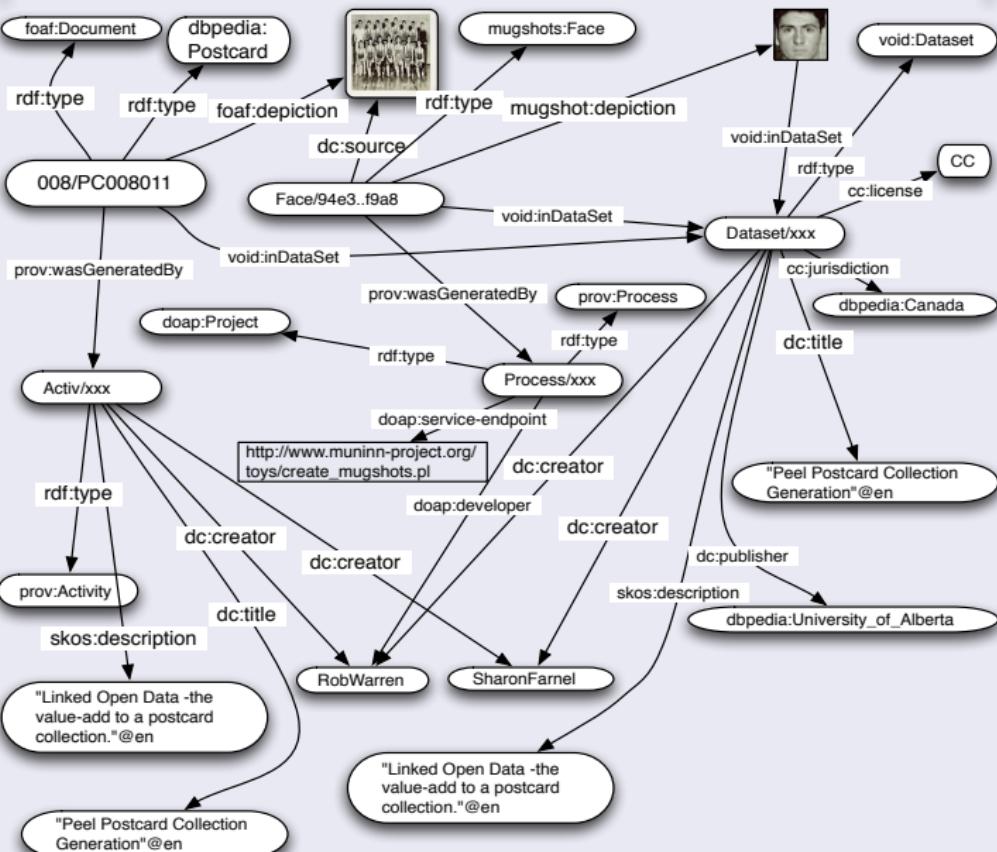
Click on an image to identify the postcard or [Reshuffle Postcards](#) | [Just Fronts](#) | [Just Backs](#).



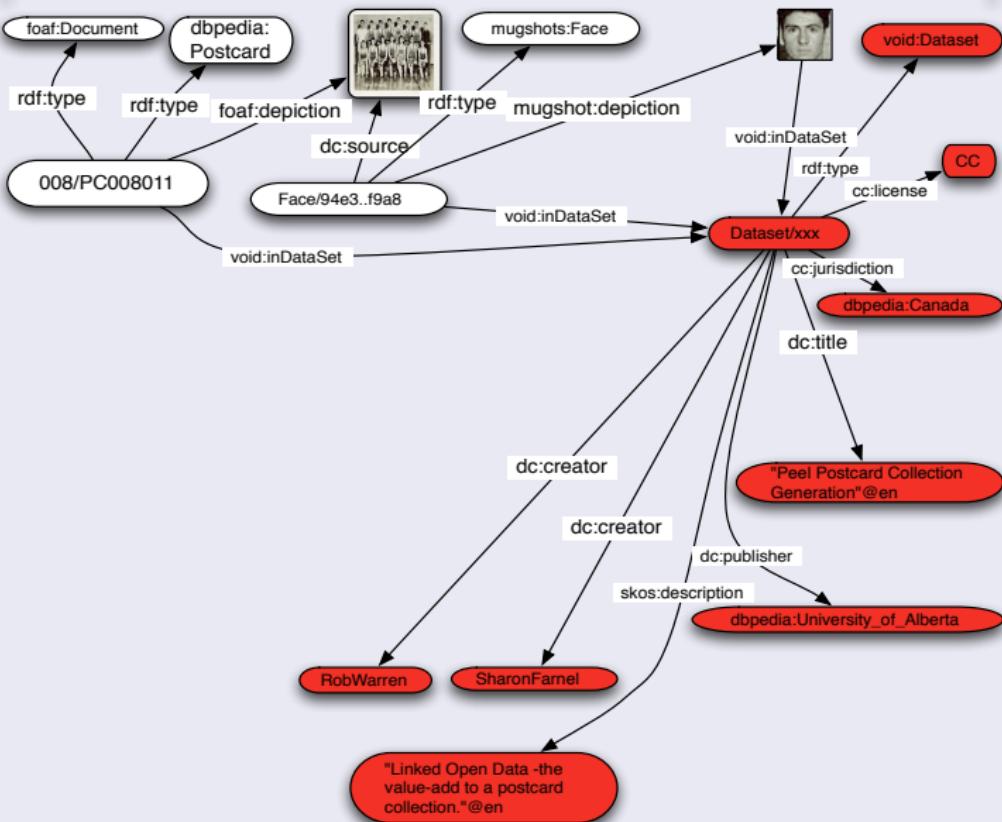
Image Analysis



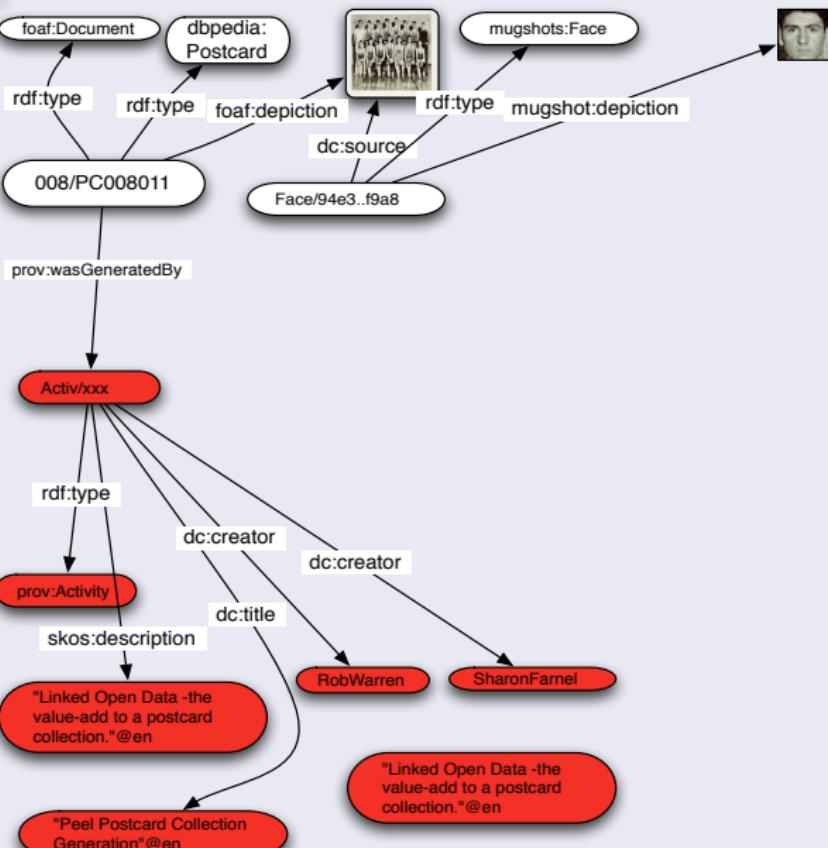
Datasets / Process documents



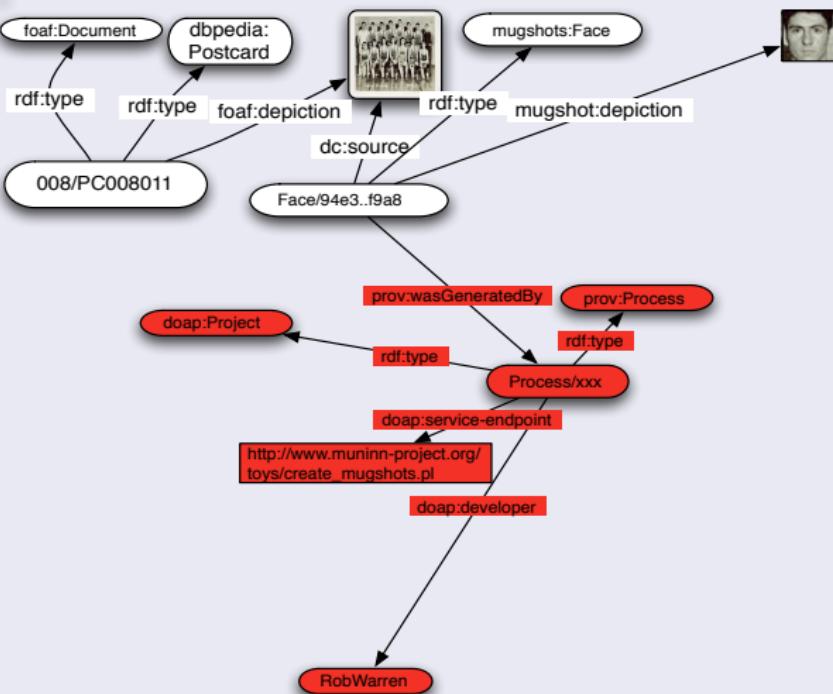
Datasets documentation



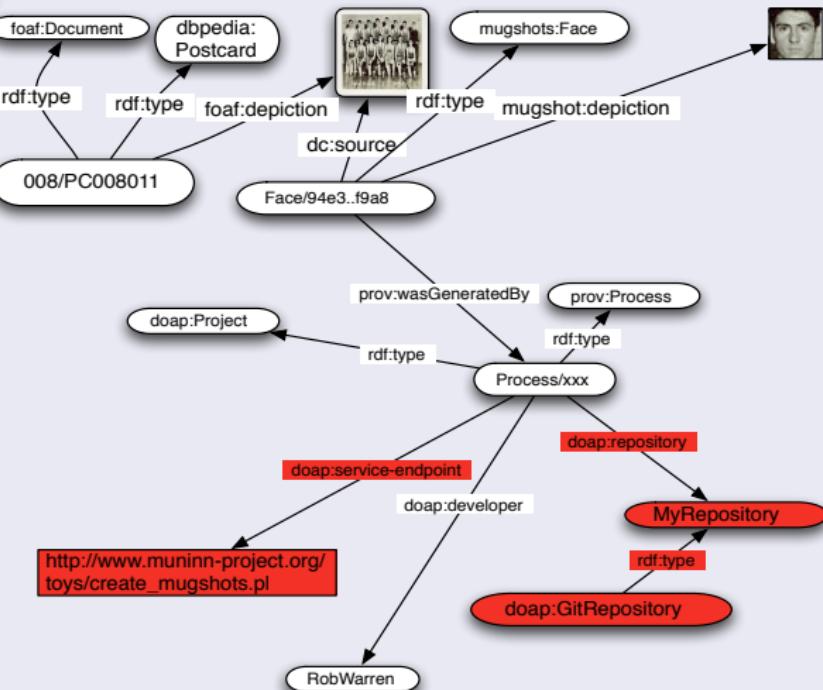
Datasets Creation



Datasets Process



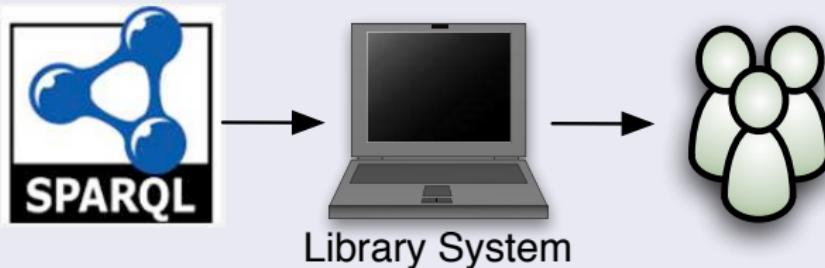
Datasets Process



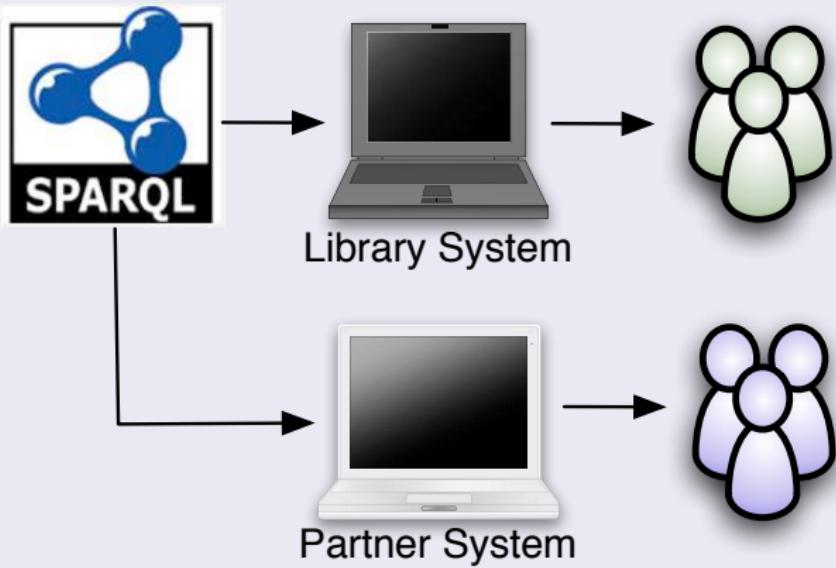
Current Systems



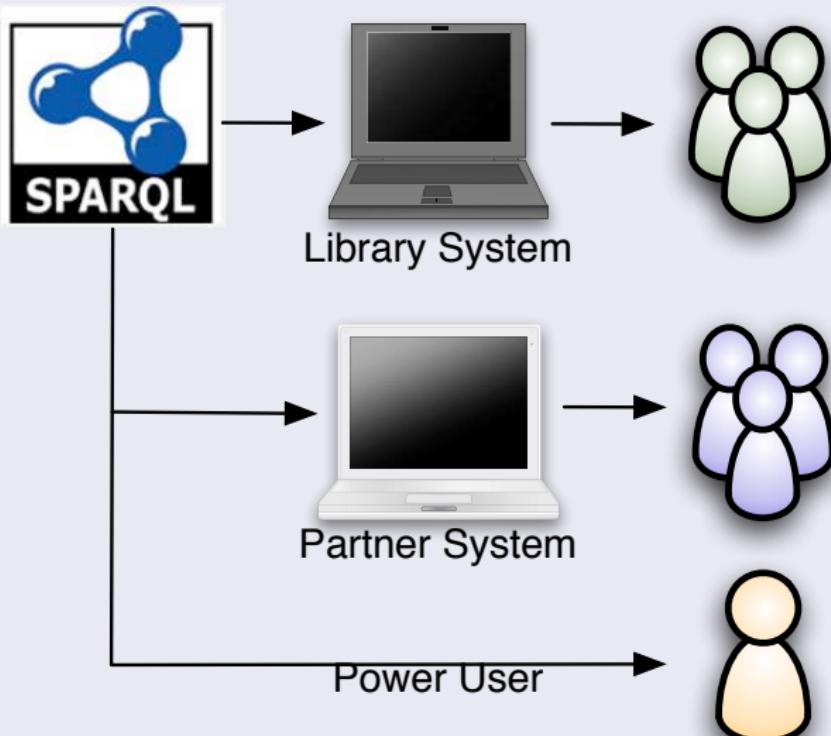
A possible future



A possible future



A possible future



Lessons Learned, Next Steps

- Play with conversion to RDFa or Turtle and endpoints.
- Enhance other image collections in a similar way.
- Text-based collections - named entity recognition?
- Excel is the enemy of data quality.

Lessons Learned, Next Steps (Contd.)

- The artifact might be less important than the (meta?)data.
- RDF / LOD allows you to publish data, document it and (sometimes) fix mistakes later on.
- Separate the data from the application.

Code and scripts at:

<https://github.com/muninn/PC-Access2015>