

Learning about Linked Data with a Zine Thesaurus

2014 OLAC-MOUG Conference, Oct. 24, 2014
Kansas City, MO

Upper Midwest Linked Data Interest Group

About Group

Group name Upper Midwest Linked Data Interest Group

Description This interest group is for staff working in libraries, archives, and museums who wish to share and discuss ideas for linked data projects, propose organized events or informal meet ups, and share continuing education opportunities. The Upper Midwest includes MN, ND, SD, and WI.

<https://groups.google.com/forum/#!forum/upper-midwest-linked-data-interest-group>

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Twin Cities Zine Linked Data Working Group

The background features a complex pattern of thin, vertical, slightly wavy lines in various shades of blue and grey, creating a textured, forest-like appearance. A solid blue horizontal band is positioned in the lower third of the image, containing the main text. Below this band is a solid grey horizontal band.

Making the Anchor Archive Subject Thesaurus available as linked data

Anchor Archive Subject Thesaurus

Developed for a special collection of zines in Halifax, Canada



Zine Thesaurus of Subject Terms

ABANDONED BUILDINGS

- RT
 - GHOST TOWNS
 - URBAN DECAY

ABLEISM

- RT
 - DISABILITIES
 - PHYSICAL DISABILITIES

ABORIGINAL PEOPLES

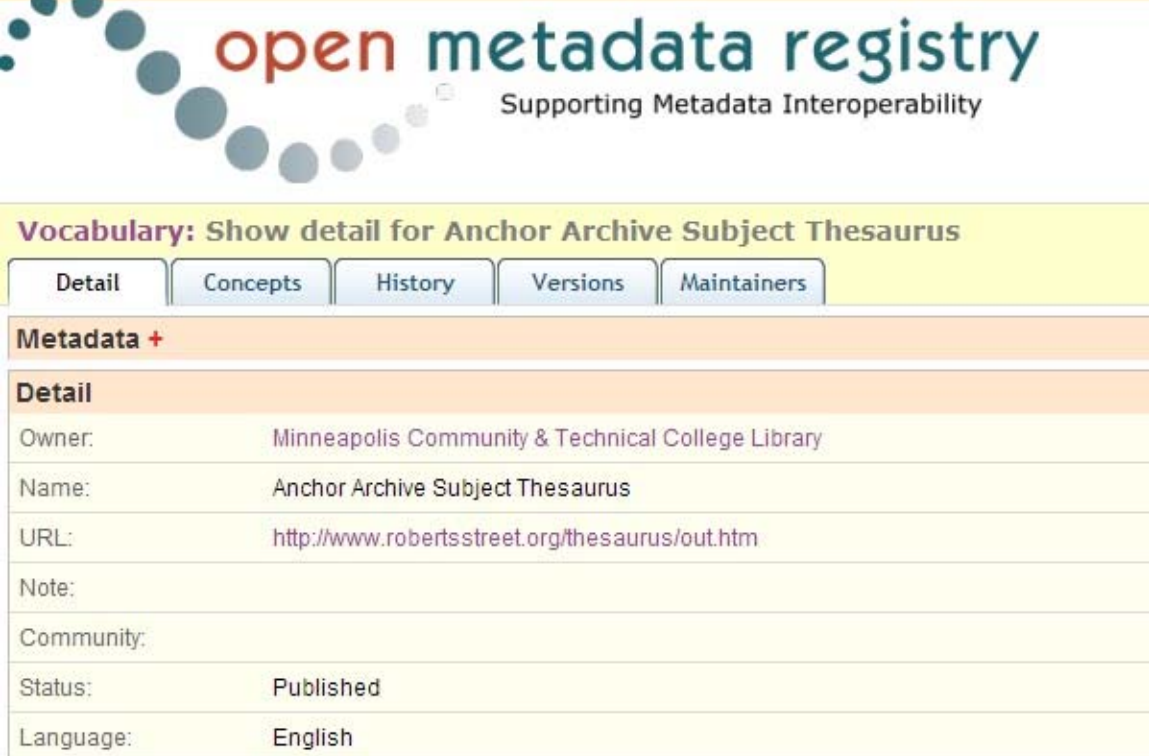
- USE
 - INDIGENOUS PEOPLES

Anchor Archive Zine Library



Open Metadata Registry

Open Metadata Registry allows people and organizations to “identify, declare or publish” metadata schemas



The screenshot displays the Open Metadata Registry interface. At the top, the logo features a series of blue circles of varying sizes on the left, followed by the text "open metadata registry" in a sans-serif font, with "open" in red and "metadata registry" in blue. Below the logo is the tagline "Supporting Metadata Interoperability".

A yellow banner below the logo contains the text "Vocabulary: Show detail for Anchor Archive Subject Thesaurus". Below this banner is a navigation bar with five tabs: "Detail" (selected), "Concepts", "History", "Versions", and "Maintainers".

Below the navigation bar is a section titled "Metadata +" with a plus sign. Underneath is a "Detail" section with the following information:

Owner:	Minneapolis Community & Technical College Library
Name:	Anchor Archive Subject Thesaurus
URL:	http://www.robertsstreet.org/thesaurus/out.htm
Note:	
Community:	
Status:	Published
Language:	English

Why the Open Metadata Registry?

- Pros
 - Creates URIs for vocabulary terms
 - Expresses vocabularies in RDF (SKOS)
 - Easy to use
 - Web based
- Cons
 - No bulk import (yet)
 - No spell checks
 - No de-duplication




Vocabulary: Show detail for Anchor Archive Subject Thesaurus

Detail	Concepts	History	Versions	Maintainers
	Preferred Label			
✓	Abandoned buildings			
✓	Urban decay			
	Theatre			
✓	Colonization			
✓	Breast implants			
✓	Ableism			
✓	Public spaces			
✓	Goth			
✓	Breast self-examination			
	Public transit			
✓	Abortion			
✓	Medical system			
✓	Abuse			
✓	Breastfeeding			
✓	Breasts			
✓	Graffiti			
✓	Disabilities			
	Acrobatics			
✓	Grammar			

Registering the Thesaurus in the OMR

Our working group rebuilt the Anchor Archive Subject Thesaurus in the Open Metadata Registry



open metadata registry
Supporting Metadata Interoperability

Vocabulary: Show detail for Anchor Archive Subject Thesaurus

	Preferred Label ▲	URI
✓	Abandoned buildings	.../aast/1001
✓	Ableism	.../aast/1009
✓	Abortion	.../aast/1016
✓	Abuse	.../aast/1018
	Acrobatics	.../aast/1025
✓	Acting	.../aast/1028
✓	Activism	.../aast/1031
✓	Activist art	.../aast/1033
✓	Addictions	.../aast/1040

Completed term in Open Metadata Registry

Vocabulary: Anchor Archive Subject Thesaurus

Concepts: Alternative energy

Detail

Properties

History

Metadata +

Detail

Preferred Label:	Alternative energy
Language:	English
URI:	http://metadataregistry.org/uri/aast/1187 (RDF)
Top Concept?:	
Status:	Published

Properties

related to	Climate change
related to	Energy efficiency
preferred label	Alternative energy
has narrower	Biodiesel
has broader	Energy

Term in RDF (SKOS)

```
<!-- Concept: Alternative energy -->  
  <skos:Concept rdf:about="http://metadataregistry.org/uri/aast/1187" xml:lang="en">  
    <skos:inScheme rdf:resource="http://metadataregistry.org/uri/aast"/>  
    <reg:status rdf:resource="http://metadataregistry.org/uri/RegStatus/1001"/>  
    <reg:identifier rdf:resource="5170"/>  
    <skos:prefLabel xml:lang="en">Alternative energy</skos:prefLabel>  
    <skos:broader rdf:resource="http://metadataregistry.org/uri/aast/1211"/>  
    <skos:related rdf:resource="http://metadataregistry.org/uri/aast/1214"/>  
    <skos:related rdf:resource="http://metadataregistry.org/uri/aast/1281"/>  
    <skos:narrower rdf:resource="http://metadataregistry.org/uri/aast/2019"/>  
  </skos:Concept>
```

“Get RDF” button

Open Metadata Registry provides an RDF/XML serialization of the SKOS framework for the whole vocabulary (or any individual term).

The screenshot shows the 'Vocabulary: Show detail for Anchor Archive Subject Thesaurus' page. It features a navigation bar with tabs for 'Detail', 'Concepts', 'History', 'Versions', and 'Maintainers'. The 'Detail' tab is active, displaying a table of metadata. The 'URI' section shows the base domain, token, and full URI. At the bottom right, there are three buttons: 'List', 'Get RDF', and 'Get XML Schema'. The 'Get RDF' button is circled in red, with a red arrow pointing to a text box below it.

Detail	
Owner:	Minneapolis Community & Technical College Library
Name:	Anchor Archive Subject Thesaurus
URL:	http://www.robertsstreet.org/thesaurus/out.htm
Note:	
Community:	
Status:	Published
Language:	English

URI	
Base Domain:	http://metadataregistry.org/uri/
Token:	aast
URI:	http://metadataregistry.org/uri/aast

Users +	
---------	--

Buttons: List, Get RDF, Get XML Schema

This is a SKOS file that you can download and save somewhere

The background features a series of vertical lines in various shades of blue and grey, creating a textured, rain-like effect. A horizontal teal band is positioned in the lower half of the image, containing the title text. Below this band is a solid grey footer.

Linking the Anchor Archive Subject Thesaurus to the MCTC Zine Collection

Open Refine

- Open Refine is a free open source tool for cleaning up large metadata sets. It can also be used to create linkages between metadata sets.

OpenRefine

A free, open source, power tool for working with messy data

Free Your Metadata

Learn how to get more value out of metadata easily



- freeyourmetadata.org has instructions for using Open Refine to clean up metadata and link it to other data sets.

Using Open Refine to Link

- The blue headings are linked to the Anchor Archive Subject Thesaurus in the Open Metadata Registry

The screenshot shows the Google Refine interface for a dataset named 'zines.csv'. The main table displays 5029 rows with columns for Description, Abstract, Subject, Table of Contents, and Publisher. The 'Subject' column is expanded to show a hierarchical list of subject headings, including 'Animal Rights/ Media/ Zines', 'Comics/ Pornography/ Satire', and 'Criticism/ Essays'. A red callout box labeled 'Links!!!' points to the blue subject headings in the 'Subject' column, indicating that these headings are linked to the Anchor Archive Subject Thesaurus in the Open Metadata Registry.

Description	Abstract	Subject	Table of Contents	Publisher
		Animal Rights/ Media/ Zines <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Animal rights (0.81) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Zines (109) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Media (009) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Create new topic Search for match		
		Comics/ Pornography/ Satire <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Pornography (0.407) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Satire (0.222) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Comics (0.159) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Create new topic Search for match		
		Criticism/ Essays <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Criticism (0.529) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Cultural criticism (0.104) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Create new topic Search for match		
Zine 'Off' featured in second half of publication		Culture/ Spain/ Poetry/ Activism/ Prison <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Prison activism (0.3) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Activism (0.084)		

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full-length presentation from 2014 Library Technology Conference:

http://digitalcommons.macalester.edu/libtech_conf/2014/sessions/60/