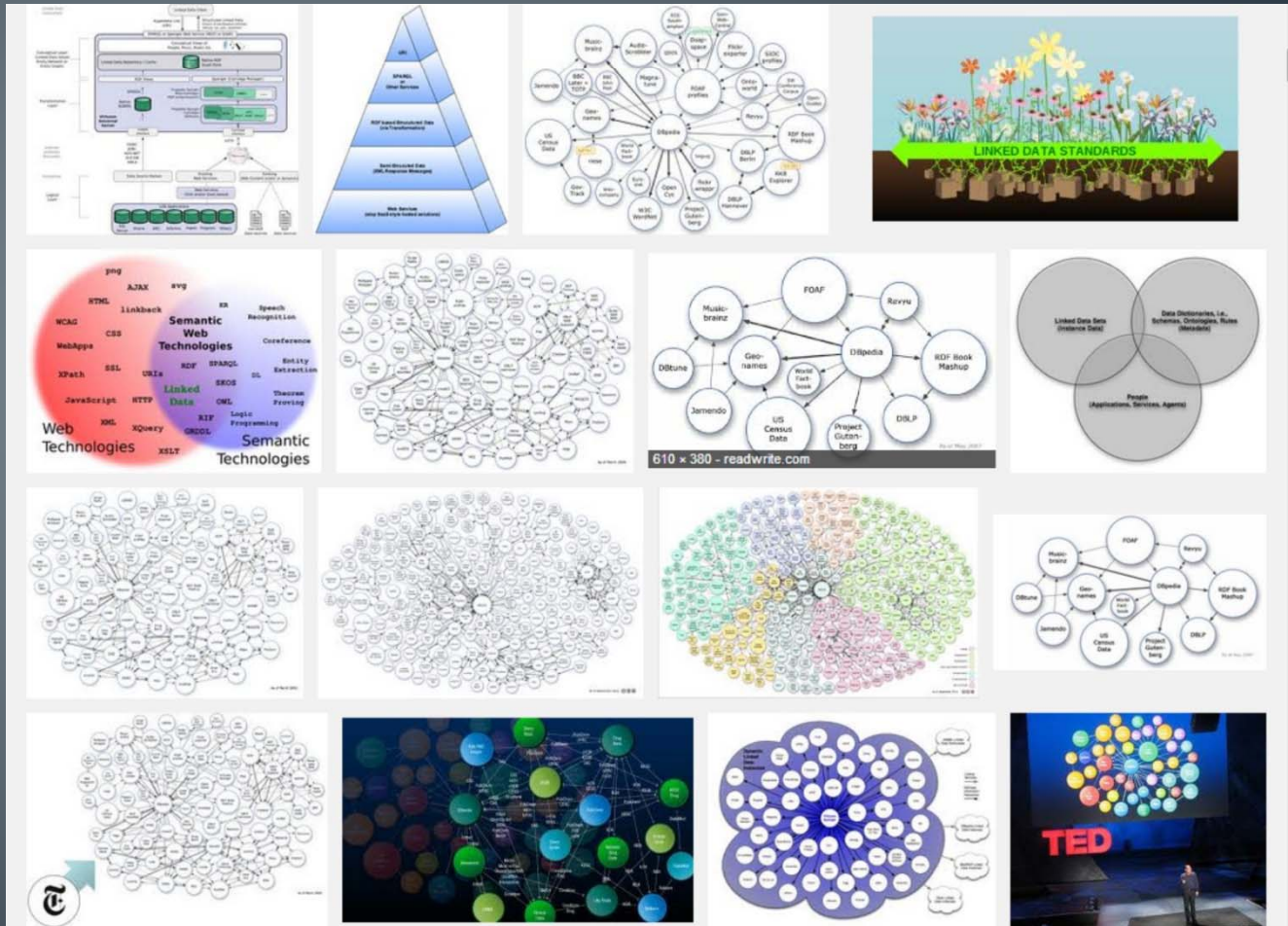
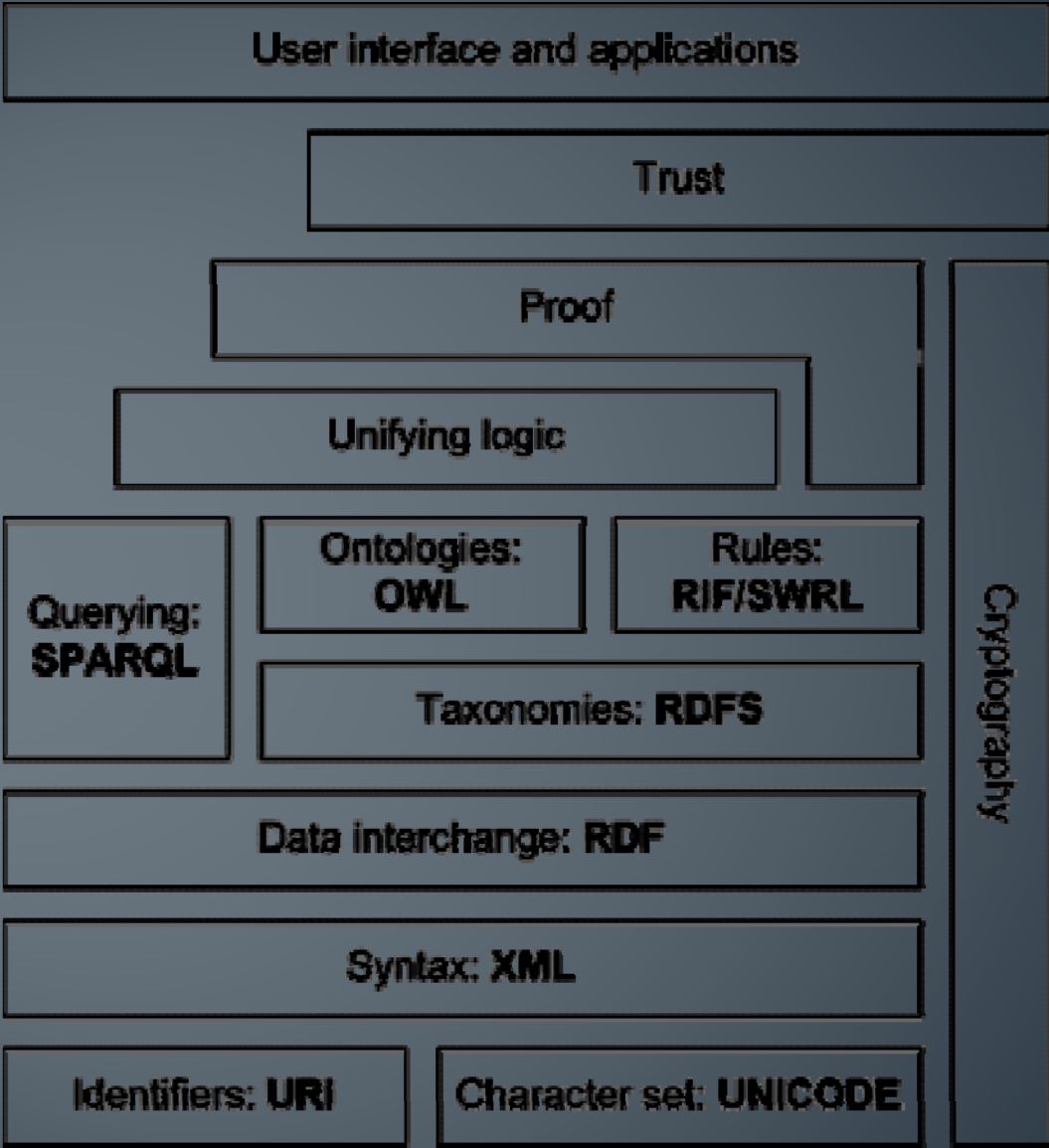


Minnesota Zine Linked Data Working Group: The First Project

Upper Midwest Users Group (Ex Libris)
Oct. 28, 2013
Roseville, MN

What we talk about when we talk about linked data





How: Ontologies

A formal statement of concepts used within a knowledge domain, and the relationships between those concepts

- Genealogical ontologies
- Taxonomic ontologies (“King Philip Came Over From Greece Saturday”)
- FRBR
- Dublin Core

CHART 0 MAIN GODS

KHAOS (Air)

EREBOS (Darkness)
= Nyx

AITHER (Light)

THE OKEANIDES x 3000

NYX (Night)

HYPNOS (Sleep)

METIS
= Zeus

EURYNOME
= Zeus

STYX

OURANOS (Sky)
= (1) Gaia

THE TITANES x 12

OKEANOS
= Tethys

THE POTAMOI (Rivers)

THE NAIADES

TETHYS

HYPERION
= Theia

HELIOS (Sun)

SELENE (Moon)

THEIA

EOS (Dawn)

KRIOS
= Eurybia

ASTRAIOS (Stars)
= Eos

BOREAS (North Wind)

ZEPHYROS (West Wind)

KOIOS
= Phoibe

PERSES
= Asteria

HEKATE

PHOIBE

LETO
= Zeus

IAPETOS
= Klymene

ATLAS

MAIA
= Zeus

PROMETHEUS

EPIMETHEUS

KRONOS
= Rhea

HESTIA

DEMETER
= Zeus

RHEA

HERA
= Zeus

HEPHAISTOS

THEMIS
= Zeus

HAIDES
= Persephone

MNEMOSYNE
= Zeus

POSEIDON
= Amphitrite

TRITON

APHRODITE

ZEUS
= (1) Metis

ATHENE

= (2) Castrated genitals
cast into the sea

THE ERINYES (Furies) x 3

= (2) Themis

THE MOIRAI (Fates) x 3

THE HORAI (Seasons) x 3

GAIA (Earth)
= (1) Ouranos
= (2) Blood of Ouranos
= (3) Pontos
= (4) Tartaros

EROS (Procreation)

How: The names of things, structured data, and URIs

Principles of linked data:

1. Use URIs for the names of things
2. Use http URIs so they can be looked up
3. When someone looks up a URI, provide useful information
4. Include links to other URIs

Berners-Lee, Tim. *Linked Data*. 2006-07-27.

<http://owl.english.purdue.edu/owl/resource/747/08/>. Accessed September 18, 2013.

Inbox (19) - Sc x The Registry! : x
 metadataregistry.org/concept/show/id/5785.html
 mail.mnhs... CM Index Cataloging Search en... Library M... MHS Libra... MNO MnPALS Other boo...
 sign in / register | about

open metadata registry
 Supporting Metadata Interoperability

Search Vocabularies
 Search Element Sets

Vocabulary: Anchor Archive Subject Thesaurus
Concepts: Zombies

Detail Properties History

Detail

Preferred Label: Zombies
 Language: English
 URI: <http://metadataregistry.org/uri/aast/1841> (RDF)
 Top Concept?:
 Status: Published

Properties

| | | |
|-----------------|---------|-----------|
| related to | Death | Published |
| preferred label | Zombies | English |
| | | Published |

List Get RDF

Browse...

- [Resource Owners](#)
- [Vocabularies](#)
- [Element Sets](#)
- [SPARQL](#)

Feedback

(C) by no-ni powered by symfony

Desktop 3:25 PM
 Sep 18, 2013

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 horizontal teal band is positioned in the lower half of the image, containing the main title and subtitle. Below this band is a solid grey footer area.


Twin Cities Zine Linked Data Working Group

An explanation of the project

MCTC Library Zine Collection

Zines: a self publication, motivated by a desire for self expression, not for profit.





Zines

at MCTC
underground publications available from our library


What is a zine?
A zine is a self-publication, motivated by a desire for self-expression, not for profit.

How big is the MCTC Zine Collection?
Approximately 5,000 zines strong with 1,000 zines to be added!

Is the collection open to the public?
Yes, you can stop by and read them at the library, you can't check them out and take them home with you.

Why do you collect zines?
We actively develop and collect alternative press materials, zines are just one alternative publication we collect.

Examples of zines in our collection...



Donations always welcome:
MCTC Library Zine Collection
1501 Hennepin Avenue
Minneapolis, MN 55403

Contact for our Zine Collection:
Elissah Becknell
Elissah.becknell@minneapolis.edu
612-659-6000 ext. 4418

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

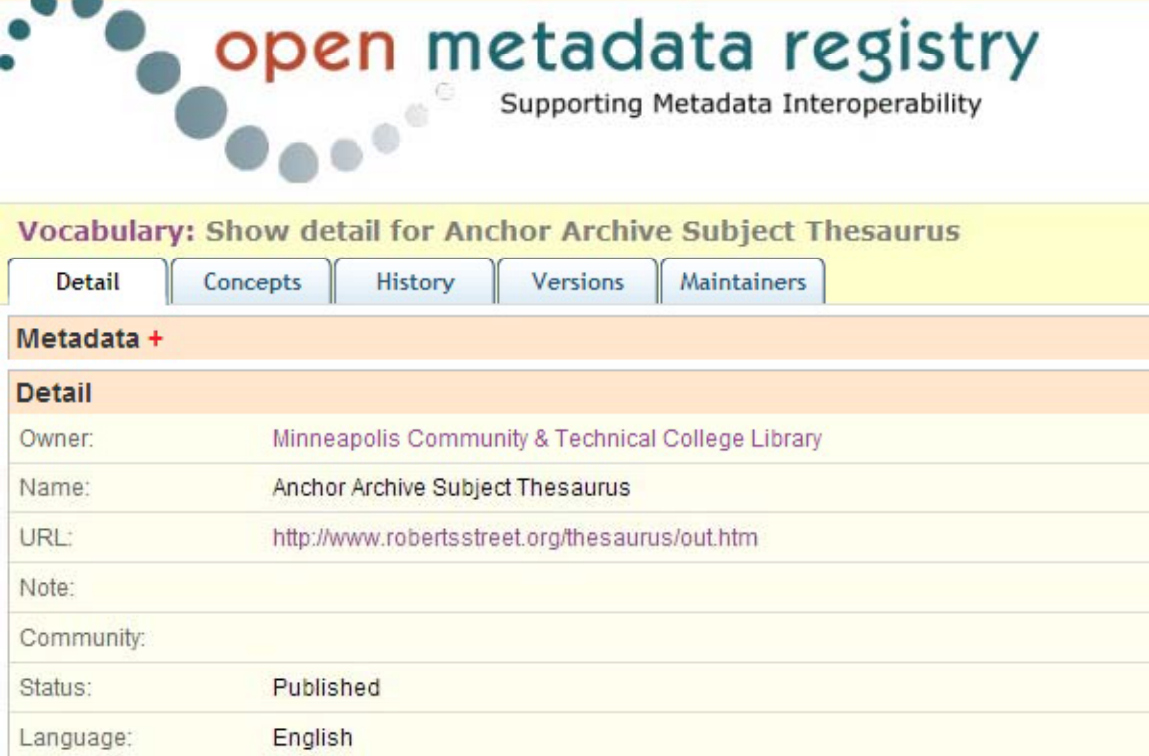
- USE
 - INDIGENOUS PEOPLES

Anchor Archive Zine Library



Creating a Linkable Subject Authority

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 for "open metadata registry" is shown, with the tagline "Supporting Metadata Interoperability". Below the logo, a yellow banner indicates the current view: "Vocabulary: Show detail for Anchor Archive Subject Thesaurus". A navigation bar contains five tabs: "Detail" (selected), "Concepts", "History", "Versions", and "Maintainers". Below the navigation bar, a section titled "Metadata +" is expanded to show a "Detail" table with the following information:

| 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 |

Creating a Linkable Subject Authority

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 |

Creating a Linkable Subject Authority

Open Metadata Registry allows us to map relationships within the Subject Thesaurus

- Broader
- Narrower
- Preferred (“Alternative”)
- Scope Notes

| 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 | |

Creating a Linkable Subject Authority

Open Metadata Registry also helps make these metadata schemas linkable by creating a SKOS framework for controlled vocabularies or thesauri

Vocabulary: Show detail for Anchor Archive Subject Thesaurus

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 +

List Get RDF Get XML Schema

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

Open Metadata Registry

- Pros
 - Easy to use
 - Web based
 - Creates RDF links
- Cons
 - Labor intensive
 - Takes time
 - 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 | | | |

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

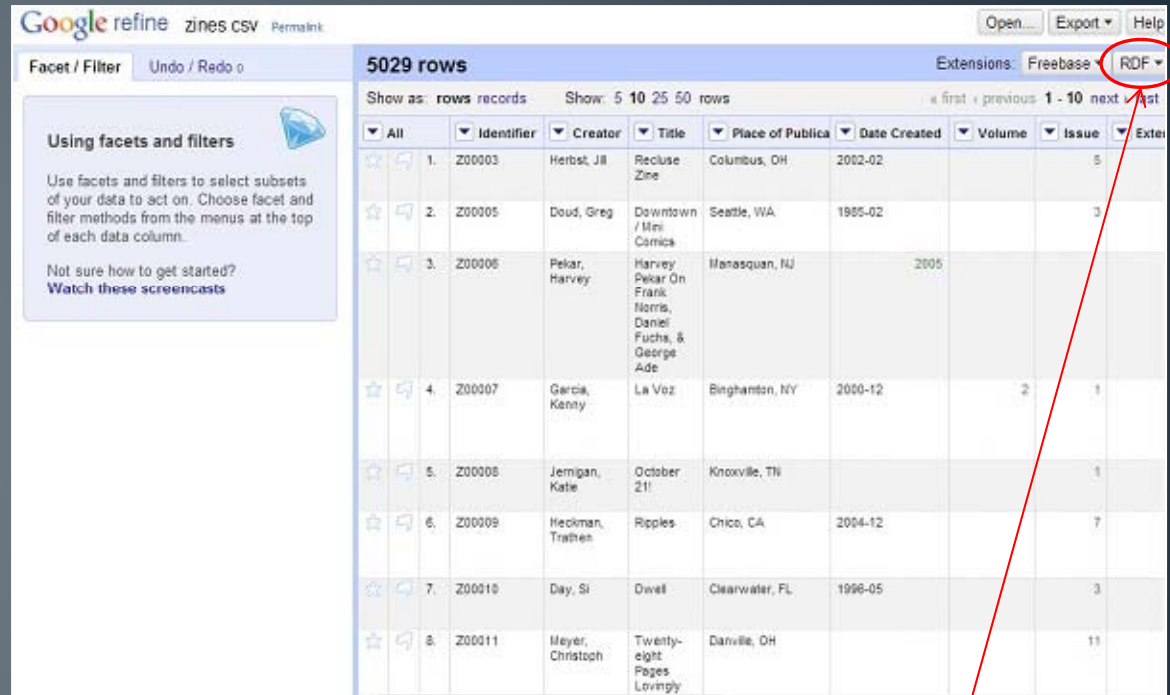


- freeyourmetadata.org has instructions for using Open Refine to clean up metadata and link it to other data sets.

Using Open Refine to Link

Step 1: Place your metadata in Open Refine.

Step 2: Make sure you have the RDF extension.



The screenshot shows the Google Refine interface with a table of 5029 rows of zine metadata. The 'Extensions' menu is open, and 'RDF' is selected. A red arrow points from the 'RDF' extension to a text box at the bottom right.

| | Identifier | Creator | Title | Place of Publica | Date Created | Volume | Issue | Ext |
|----|------------|------------------|---|------------------|--------------|--------|-------|-----|
| 1. | Z00003 | Herbst, Jill | Recluse Zine | Columbus, OH | 2002-02 | | 5 | |
| 2. | Z00005 | Doud, Greg | Downtown / Mini Comics | Seattle, WA | 1985-02 | | 3 | |
| 3. | Z00006 | Pekar, Harvey | Harvey Pekar On Frank, Norris, Daniel Fuchs, & George Ade | Manasquan, NJ | 2005 | | | |
| 4. | Z00007 | Garcia, Kandy | La Voz | Binghamton, NY | 2000-12 | 2 | 1 | |
| 5. | Z00008 | Jemigan, Kate | October 21! | Knoxville, TN | | | | 1 |
| 6. | Z00009 | Heckman, Trathan | Ripples | Chico, CA | 2004-12 | | | 7 |
| 7. | Z00010 | Day, Si | Dwell | Clearwater, FL | 1996-05 | | | 3 |
| 8. | Z00011 | Meyer, Christoph | Twenty-eight Pages Lovingly | Danville, OH | | | | 11 |

This RDF extension

Using Open Refine to Link

Step 3: Using the RDF extension, you set up a *reconciliation service*.

- I will need to use *based on RDF file....*

The screenshot shows the Open Refine interface with a table of 5029 rows. The 'Extensions' menu is open, showing options for 'Freebase' and 'RDF'. The 'RDF' extension is selected, and the 'Add reconciliation service' option is highlighted. The table below shows several rows with descriptions and abstracts.

| | Description | Abstract |
|----|--------------------------------------|----------|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | Zine 'Off' fe publication | |
| 5. | | |
| 6. | Subtitle: a revolutionary journal of | |

Extensions: Freebase ▾ RDF ▾

Show as: rows records Show: 5 10 25 50 rows

▼ Description ▼ Abstract ▼

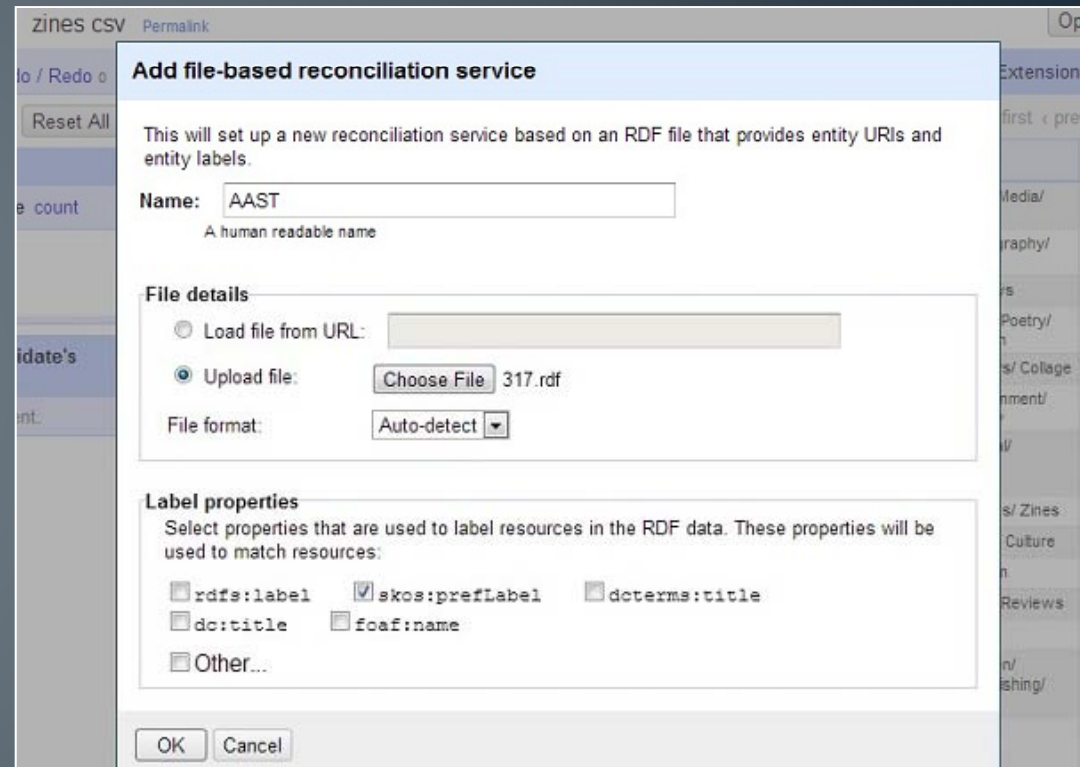
Edit RDF Skeleton...
Reset RDF Skeleton...
Add reconciliation service ▶

Based on SPARQL endpoint...
Based on RDF file...
Based on a Sindice site search...
Based on a Apache Stanbol EntityHub...

ics/ Pornography/
e
cism/ Essays
ure/ Spain/ Poetry/
Activism/ Prison
Death/ Birthdays/ Collage
Essays/ Environment/

Using Open Refine to Link

- Name the reconciliation service
- Upload your SKOS file from Open Metadata Registry
- make sure you check SKOS in the label properties area



The screenshot shows a dialog box titled "Add file-based reconciliation service" with the following fields and options:

- Name:** AAST (with a subtext "A human readable name")
- File details:**
 - Load file from URL: [empty text box]
 - Upload file: Choose File 317.rdf
 - File format: Auto-detect (dropdown menu)
- Label properties:** Select properties that are used to label resources in the RDF data. These properties will be used to match resources:
 - rdfs:label
 - skos:prefLabel
 - dcterms:title
 - dc:title
 - foaf:name
 - Other...

Buttons for "OK" and "Cancel" are at the bottom.

Using Open Refine to Link

Step 4: Select the column you want to reconcile, and navigate to *start reconciling...*

- I want to match my Subject Headings

The screenshot shows the Open Refine interface with a table of 5029 rows. The table has columns for Description, Abstract, and Subject. A context menu is open over the Subject column, showing options like Facet, Text filter, Edit cells, Edit column, Transpose, Sort..., View, and Reconcile. The 'Start reconciling...' option is highlighted in the menu.

| | Description | Abstract | Subject |
|-----|---|------------|---------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | Zine "Off" featured in second half of publication | | |
| 5. | | | |
| 6. | Subtitle: a revolutionary journal of seasonal delight | | |
| 7. | | Diary of a | |
| 8. | | | |
| 9. | "Bumper Crop" | | |
| 10. | | | |
| 11. | | | |
| 12. | A DIY punk/hardcore res | | |
| 13. | | | |

Using Open Refine to Link

Step 5: Select your newly created reconciliation service

- In my case, it's *AAST (Anchor Archive Subject Thesaurus)*

Reconcile column "Subject" » Access Service API

Freebase Query-based Reconciliation

Sindice

Freebase Reconciliation Service

OMR

AAST

Reconcile each cell to an entity of one of these types: Also use relevant details from other columns:

skos:Concept
http://www.w3.org/2004/02/skos/core#Concept

| Column | Include? | As Property |
|----------------------|--------------------------|----------------------|
| Identifier | <input type="checkbox"/> | <input type="text"/> |
| Creator | <input type="checkbox"/> | <input type="text"/> |
| Title | <input type="checkbox"/> | <input type="text"/> |
| Place of Publication | <input type="checkbox"/> | <input type="text"/> |
| Date Created | <input type="checkbox"/> | <input type="text"/> |
| Volume | <input type="checkbox"/> | <input type="text"/> |
| Issue | <input type="checkbox"/> | <input type="text"/> |
| Extent of Work | <input type="checkbox"/> | <input type="text"/> |
| Description | <input type="checkbox"/> | <input type="text"/> |

Reconcile against type:

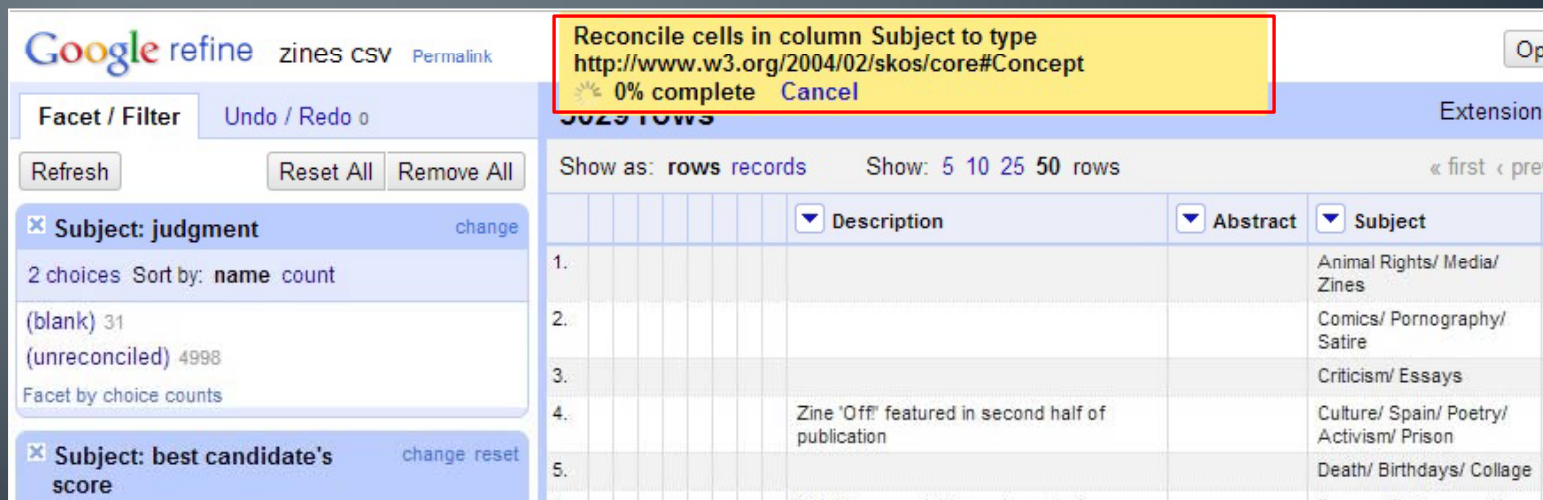
Reconcile against no particular type

Auto-match candidates with high confidence

Using Open Refine to Link

Step 6: Open Refine will reconcile your metadata with the linked data of you choose.

- If you have lots of metadata, this is the “Go get some Coffee” step



The screenshot shows the Google Refine interface with a reconciliation dialog box open. The dialog box is titled "Reconcile cells in column Subject to type" and displays the URL "http://www.w3.org/2004/02/skos/core#Concept" with a progress indicator showing "0% complete" and a "Cancel" button. The background interface shows a table with columns for "Description", "Abstract", and "Subject". The "Subject" column contains various categories like "Animal Rights/ Media/ Zines", "Comics/ Pornography/ Satire", "Criticism/ Essays", "Culture/ Spain/ Poetry/ Activism/ Prison", and "Death/ Birthdays/ Collage".

| | Description | Abstract | Subject |
|----|---|----------|--|
| 1. | | | Animal Rights/ Media/ Zines |
| 2. | | | Comics/ Pornography/ Satire |
| 3. | | | Criticism/ Essays |
| 4. | Zine "Off" featured in second half of publication | | Culture/ Spain/ Poetry/ Activism/ Prison |
| 5. | | | Death/ Birthdays/ Collage |

Using Open Refine to Link

Step 7: Select the best matches

- 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 interface includes a 'Facet / Filter' panel on the left with two active facets: 'Subject: judgment' and 'Subject: best candidate's score'. The main table displays 5029 rows with columns for 'Description', 'Abstract', 'Subject', 'Table of Contents', and 'Publisher'. The 'Subject' column contains several categories with checkboxes and counts, such as '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.

| Description | Abstract | Subject | Table of Contents | Publisher |
|---|----------|---|-------------------|-----------|
| | | Animal Rights/ Media/ Zines <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Animal rights (2,811) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Zines (2,109) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Media (1,069) <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) | | |

Using Open Refine to Link

5029 rows Extension

Show as: rows records Show: 5 10 25 50 rows « first « pre

| Description | Abstract | Subject | Table of Contents |
|-------------|----------|---|-------------------|
| | | <div style="border: 1px solid red; padding: 5px;"><p>Animal Rights/ Media/ Zines edit</p><p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Animal rights (0.481)</p><p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Zines (0.109)</p><p><input checked="" type="checkbox"/> Match this topic to this cell</p><p><input checked="" type="checkbox"/> Create new topic</p><p><small>Search for match</small></p></div> | |
| | | <p>Comics/ Pornography/ Satire</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Pornography (0.407)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Satire (0.222)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Comics (0.159)</p> <p><input checked="" type="checkbox"/> Create new topic</p> <p><small>Search for match</small></p> | |

- You can match a single subject heading at a time

5029 rows

Show as: rows records Show: 5 10 25 50 rows

| Description | Abstract | Subject |
|-------------|----------|--|
| | | <div style="border: 1px solid red; padding: 5px;"><p>Animal rights</p><p><small>Choose new match</small></p></div> |
| | | <p>Comics/ Pornography/ Satire</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Pornography (0.407)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Satire (0.222)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Comics (0.159)</p> <p><input checked="" type="checkbox"/> Create new topic</p> <p><small>Search for match</small></p> |

Using Open Refine to Link

5029 rows Extension:

Show as: **rows** records Show: 5 10 25 50 rows « first « pre

| Description | Abstract | Subject | Table of Contents |
|-------------|----------|--|-------------------|
| | | <div style="border: 1px solid red; padding: 5px;"><p>Animal Rights/ Media/ Zines edit</p><p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Animal rights (0.481)</p><p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Zines (0.109)</p><p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Match this topic to this and all identical cells</p><p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Create new topic</p><p>Search for match</p></div> | |
| | | <p>Comics/ Pornography/ Satire</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Pornography (0.407)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Satire (0.222)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Comics (0.159)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Create new topic</p> <p>Search for match</p> | |

- Or you can match multiple similar cells at once

5029 rows

Show as: **rows** records Show: 5 10 25 50 rows

| Description | Abstract | Subject |
|-------------|----------|---|
| | | <div style="border: 1px solid red; padding: 5px;"><p>Animal rights</p><p>Choose new match</p></div> |
| | | <p>Comics/ Pornography/ Satire</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Pornography (0.407)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Satire (0.222)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Comics (0.159)</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Create new topic</p> <p>Search for match</p> |

Thoughts on the Linked Data Project

- MCTC Zine Collection metadata is not ready for prime time
- Open Metadata Registry can also produce SPARQL endpoints

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 text.

What Can We Do Now?

Some of the uses to which it could be put

Basically what we've done is create URIs for these subject headings, giving them a permanent central location on the web.

The screenshot displays the Open Metadata Registry interface. The top left features the logo and the text "open metadata registry Supporting Metadata Interoperability". The main content is divided into two panels. The left panel, titled "Vocabulary: Show detail for Anchor Archive Subject", shows a list of subject headings with columns for "Preferred Label" and "URI". The "Adoption" entry is highlighted with a red box. The right panel, titled "Vocabulary: Anchor Archive Subject Thesaurus Concepts: Adoption", shows a detailed view for the "Adoption" concept. It includes a "Detail" section with fields for "Preferred Label", "Language", "URI", "Top Concept?", and "Status". A blue arrow points to the "URI" field, which contains the value "http://metadataregistry.org/uri/aast/1042 (RDF)". Below the "Detail" section is a "Properties" table. At the bottom left, it says "931 results" and at the bottom right, there are navigation icons and a "Get RDF" button.

open metadata registry
Supporting Metadata Interoperability

Vocabulary: Show detail for Anchor Archive Subject

| Detail | Concepts | History | Versions | M |
|---------------------|---------------|-----------|------------------|---|
| Preferred Label | URI | | | |
| Abandoned buildings | .../aast/1001 | | | |
| Abelism | .../aast/1009 | | | |
| Abortion | .../aast/1016 | | | |
| Abuse | .../aast/1018 | | | |
| Acrobatics | .../aast/1025 | | | |
| Acting | .../aast/1028 | | | |
| Activism | .../aast/1031 | | | |
| Activist art | .../aast/1033 | | | |
| Addictions | .../aast/1040 | | | |
| Adoption | .../aast/1042 | | | |
| Adult education | .../aast/1044 | | | |
| Adventure | .../aast/1047 | | | |
| Advertising | .../aast/1050 | | | |
| Advice | .../aast/1059 | | | |
| Advocacy | .../aast/1062 | | | |
| Aging | .../aast/1069 | Published | 2013-02-02 14:30 | |
| Airplane travel | .../aast/1102 | Published | 2013-06-05 16:51 | |
| Alcohol | .../aast/1115 | Published | 2013-06-05 16:43 | |
| Alienation | .../aast/1120 | Published | 2013-02-17 20:22 | |
| Aliens | .../aast/1125 | Published | 2013-02-02 14:33 | |

Vocabulary: Anchor Archive Subject Thesaurus
Concepts: Adoption

Detail

Preferred Label: Adoption
Language: English
URI: <http://metadataregistry.org/uri/aast/1042> (RDF)
Top Concept?:
Status: Published

Properties

| | | | |
|-----------------|----------------------|---------|-----------|
| related to | Children | | Published |
| preferred label | Adoption | English | Published |
| has narrower | Interracial adoption | | Published |

List Get RDF

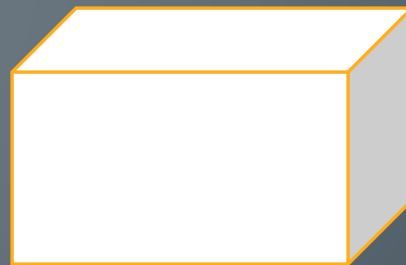
931 results

But that doesn't really mean anything unless someone actually uses the subject headings within a collection.

One thing we could do is enter a collection of zines, such as the one at MCTC, into an online database and use the URIs for the subjects that we entered into the Open Metadata Registry.



Zine collection

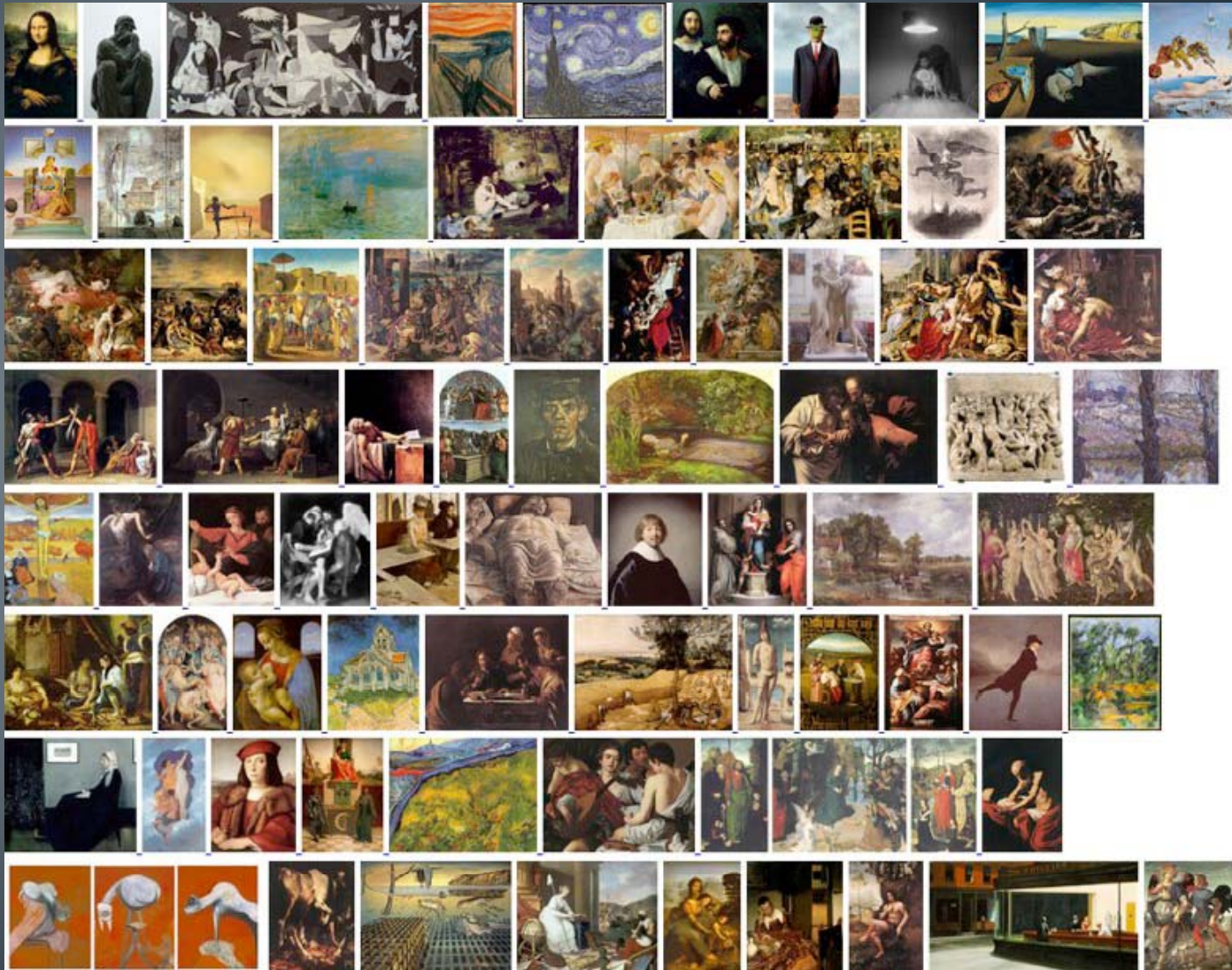


One database possibility to explore is Freebase.com, “a community-curated database of well-known people, places and things.”

The screenshot shows the Freebase.com website interface. At the top, there is a navigation bar with the Freebase logo, a search bar, and links for 'Browse', 'Query', 'Help', 'Sign In or Sign Up', and 'English'. Below the navigation bar, a large dark box displays the number '40,045,288' with the text 'Topics (and counting)'. Underneath this, a blue banner reads 'A community-curated database of well-known people, places, and things'. A dark navigation bar contains several menu items: 'Data' (highlighted), 'Schema', 'Queries', 'Apps', 'Loads', 'Review Tasks', and 'Users'. The main content area is titled 'Explore Freebase Data' and features a table of categories. To the right of the table, there are three informational boxes: 'How can you get started?', 'Learn how it works', and 'Use Freebase data'. At the bottom of the page, there are links for 'Terms of Service', 'How to Attribute to Freebase', and 'Feedback', along with a copyright notice for 2013 Google and links for 'View Source' and 'Clear Cache'.

| Category | Path | Count 1 | Count 2 |
|---------------------|---------------------|---------|---------|
| Music | /music | 25M | 173M |
| Media | /media_common | 7M | 21M |
| Books | /book | 6M | 32M |
| People | /people | 3M | 15M |
| TV | /tv | 2M | 16M |
| Film | /film | 1M | 15M |
| Location | /location | 1M | 16M |
| Organization | /organization | 789K | 4M |
| Fictional Universes | /fictional_universe | 741K | 1M |
| Business | /business | 733K | 3M |
| Sports | /sports | 370K | 3M |
| Biology | /biology | 278K | 4M |
| Education | /education | 244K | 3M |
| Awards | /award | 231K | 3M |
| Government | /government | 143K | 811K |

“Freebase is a database of things”



“All things in Freebase have strong identifiers”



/en/mona_lisa



/en/the_thinker



/en/guernica



/en/the_scream



/en/the_starry_night



/en/self_portrait_with_a_friend



/en/the_son_of_man



/en/untitled_man_and_mirror



/en/the_persistence_of_memory



/en/dream_caused_by_the_flight_of_a_bee_around_a_pomegranate_a_second_before_awakening



/en/the_madonna_of_port_lligat



/en/the_discovery_of_america_by_christopher_columbus



/en/the_ghost_of_vermeer_of_delft_which_can_be_used_as_a_table



/en/impression_sunrise



/en/the_luncheon_on_the_grass



/en/luncheon_of_the_boating_party



/en/bai_au_moulin_de_la_galette_montmartre

The data in Freebase is harvested from certain websites (like Wikipedia) or is directly entered by individuals like you or me.

Things in Freebase can also be entered in RDF form, which means that the content in Freebase can be used as linked data.

If we chose to, we could take MCTC's zine collection and enter it in
Freebase.

In the metadata we create for each zine in Freebase, we could
link to the subject URIs that we created in the Open Metadata
Registry.

Each zine entered in Freebase would become linked data that could be used on other websites. Each zine would also link back (through the subjects) to more zines on the same topic.



Subject URI:
Urban
Exploration



Urban Exploration
websites



Or at least, that's our theory... 😊

We could use the vocabulary data to provide other kinds of support for searching

- Non-preferred terms
- Broader, narrower, and related terms
- Scope notes
- Synonym rings

Another possibility would be to map terms in our
Zine vocabulary to other vocabularies

Public transit
(<http://metadataregistry.org/uri/aast1012>)

Skos:closeMatch

Local transit
(<http://id.loc.gov/authorities/subjects/sh85077945>)

Another way to let searchers connect with our resources



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 teal horizontal band is positioned in the lower third of the image, containing the text. Below this band is a thin yellow line, and at the very bottom is a solid grey horizontal band.

Similar Projects

Publishing Vocabularies

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- Getty Research Portal
- Collection Inventories & Finding Aids
- Photo Archive
- Research Guides &

Vocabularies as LOD

The Getty vocabularies are constructed to allow their use in linked data. A project to publish AAT, TGN, ULAN, and CONA to the LOD cloud is underway. The documents on this page contain news and presentations about releasing the Getty vocabularies as Linked Open Data (LOD). These materials are subject to frequent modification and addition.

Have a Question?

- Contact the Vocabulary Program

The project to publish all four of the Getty vocabularies as Linked Open Data has begun in earnest. It is anticipated that the data will be published under the ODC_BY 1.0 license.

- BHA & RILA
- Getty Vocabularies
 - Art & Architecture Thesaurus (AAT) ©
 - Cultural Objects Name Authority (CONA) ©
 - Getty Thesaurus of Geographic Names (TGN) ©
 - Union List of Artist Names (ULAN) ©
 - Contribute
 - Editorial Guidelines
 - Vocabularies as LOD**
 - Frequently Asked Questions
 - Obtain the Getty Vocabularies
 - Training Materials

- [Linked Open Data Flier \(PDF, 1 MB, 1pp\)](#)
- [Draft URIs \(PDF, 63 KB, 1pp\)](#)

News and Status of the Project

The project to publish all four of the Getty vocabularies as Linked Open Data has begun in earnest. It is anticipated that the data will be published under the ODC_BY 1.0 license.

The target date for the release of AAT as LOD is mid-January 2014. We will then move on to TGN, ULAN, and finally CONA, in approximately six-month intervals. The sequence was chosen to take advantage of the way the vocabularies are connected: AAT is linked to itself; TGN pulls from AAT; ULAN from AAT and TGN; and CONA from all three. We also intend to publish LOD versions of our lookup lists (e.g., languages, roles, nationalities, place types, and bibliographic sources).

Our base URI will be <http://vocab.getty.edu/>. A [draft version of the full set of URIs](#) for all four vocabularies is available. A draft version of our ontology and mapping is currently being reviewed by the core project team and will be posted here soon.

Publishing Authorities and Vocabularies

LIBRARY OF CONGRESS LINKED DATA SERVICE



- [Linked Data Service](#)
- [About](#)
- [Main Dataset Descriptions](#)
- [Preservation Dataset Descriptions](#)
- [Search](#)
- [Download](#)
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- [Contact Us](#)

LC Linked Data Service Authorities and Vocabularies



Search

- All
- LC Subject Headings
- LC Name Authority File
- LC Classification
- LC Children's Subject Headings

**Please Note: LC Classification entries are not included in general search results. You must explicitly select LC Classification in order to search the scheme. This is temporary while the impact of adding LCC to the current system is better understood.

Available Datasets

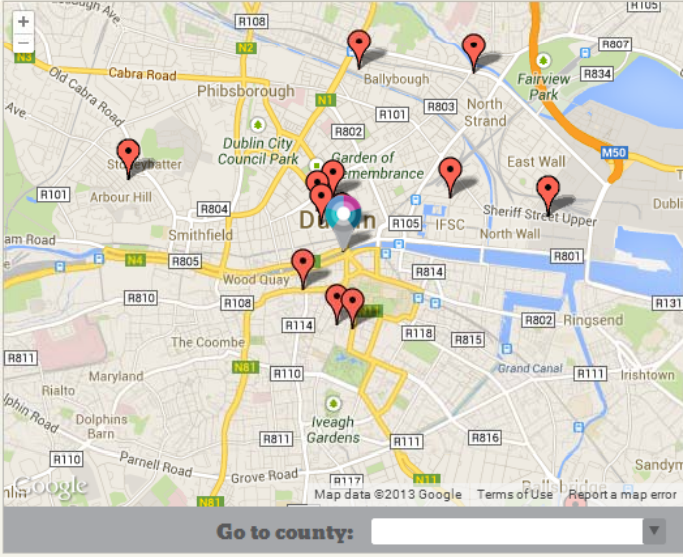
The Linked Data Service provides access to commonly found standards and vocabularies promulgated by the Library of Congress. This includes data values and the controlled vocabularies that house them. The following are currently offered as part of this service:

- > [LC Subject Headings](#)
- > [LC Name Authority File](#)
- > [LC Classification](#)
- > [LC Children's Subject Headings](#)
- > [LC Genre/Form Terms](#)
- > [Thesaurus for Graphic Materials](#)
- > [Cultural Heritage Organizations](#)
- > [MARC Relators](#)
- > [MARC Countries](#)
- > [MARC Geographic Areas](#)
- > [MARC Languages](#)
- > [ISO639-1 Languages](#)
- > [ISO639-2 Languages](#)
- > [ISO639-5 Languages](#)
- > [Extended Date/Time Format](#)

Project: Location LODer

Leagan Gaelge


Home Location LODer Project Report Using Linked Logainm



logainm.ie


Ainm: Baile Átha Cliath Name: Dublin
Type: city County: Dublin

DBpedia



Dublin is the capital and most populous city of Ireland. The English name for the city is derived from the Irish name Dubhlinn, meaning "black pool". Dublin is situated near the midpoint of Ireland's east coast, at the mouth of the River Liffey and the centre of the Dublin Region. Originally founded as a Viking settlement, it evolved into the Kingdom of Dublin and became the island's principal city following the Norman invasion. The city expanded rapidly from the 17th century; it was briefly the second largest city in the British Empire and the fifth largest in Europe. Dublin entered a period of stagnation following the Act of Union of 1800, but it remained the economic centre for most of the island.

logainm.ie



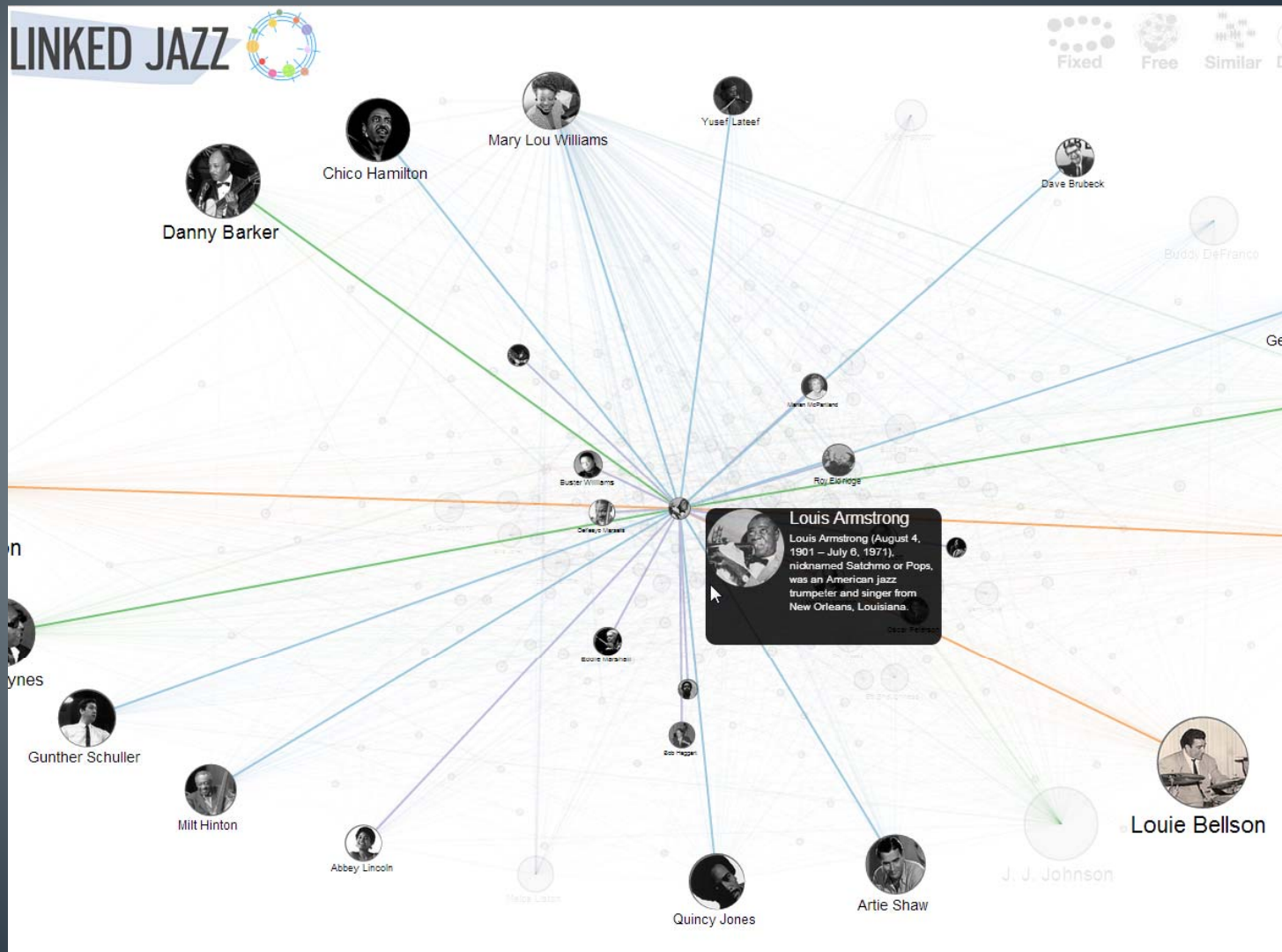
National Library of Ireland

- 1 A map of a piece of ground on the north side of Parkgate Street in the City of Dublin belonging to Doct. Filton. Surveyed by J. Longfield. April 1824
- 2 A map of that part of the Royal Canal intended to pass through the County of Dublin from Summer Hill to Ashtown. By John Brownrigg 1790. Scale 500 feet to an Inch. Table of reference showing denominations Proprietors Leases under-Tenants & remarks on the properties
- 3 A map of several holdings on West Arran St. Phoenix St. & Bow Lane in the City of Dublin. Surveyed for Francis Prendergast by J.L. 1813. Belonging to Lord Clare.
- 4 A survey of lands and premises lying between Aughrim St and Prussia St done for General Hawkshaw. By John Longfield 1815. Scale 40 feet to an Inch. Tenants names show on

Europeana

- 1 A smokey chimney
- 2 Traffic in Dublin
- 3 Blue Tit
- 4 Coal Tit
- 5 Common Frog
- 6 Grey Squirrel
- 7 Heron
- 8 Irish Hare
- 9 Red Fox
- 10 Robin on a rock in the Iveagh Gardens Dublin
- 11 Construction
- 12 Dublin Docklands Development
- 13 Grand Canal Square
- 14 St. Stephen's Green
- 15 United Nations Secretary General Ban Ki-moon and Her Majesty Queen Margrethe II of

Project: Linked Jazz



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 teal horizontal band is positioned in the lower third of the image, containing the text. Below this band is a solid grey horizontal band.

What we learned