FORMULATING AND OBTAINING URIs: A GUIDE TO COMMONLY USED VOCABULARIES AND REFERENCE SOURCES

Prepared by the Program for Cooperative Cataloging Task Group on URIs in MARC

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Executive Summary

Linked Data Resources
- AAT - Art & Architecture Thesaurus
- AGROVOC
- BBC Things
- CERL Thesaurus
- DBpedia
- FAST - Faceted Application of Subject Terminology
- GAMECIP Computer Game Media Format Vocabulary
- GAMECIP Computer Game Platform Controlled Vocabulary
- GeoNames
- GND - Gemeinsame Normdatei (Integrated Authority File)
- ISNI - International Standard Name Identifier
- LC Children's Subject Headings
- LC/NACO Authorities
- LCDGT - Library of Congress Demographic Group Terms
- LCGFT - Library of Congress Genre/Form Terms
- LCMPT - Library of Congress Medium of Performance Thesaurus
- LCSH - Library of Congress Subject Headings
- MARC Relator Terms and Codes
- MeSH RDF- Medical Subject Headings RDF
- MusicBrainz - The Open Music Encyclopedia
- ORCID
- RBMS Controlled Vocabularies

RDA Vocabularies
TGM - Thesaurus for Graphic Materials
TGN - Getty Thesaurus of Geographic Names
ULAN - Union List of Artist Names
VIAF - Virtual International Authority File
Wikidata

Data Sources Without Linked Data:Sources for Control Numbers and Non-RDF Data
AllMovie
AllMusic
BFI - British Film Institute
Canadian Geographical Names
Discogs
GNIS - Geographic Names Information System
IBDB - Internet Broadway Database
IMDb - Internet Movie Database
Legal Entity Identifier
Library of Congress Authorities
ResearcherID
Scholar Universe

Blank Template for Adding a New Entry
Data Source/Vocabulary Name

Future Work

Executive Summary

This document has been established as a guide for metadata practitioners interested in capturing Uniform Resource Identifiers (URIs, and specifically HTTP URIs that provision for linked data) from data sources on the web in their bibliographic data; **it is not a policy document**. ***Specific implementations of the MARC 21 subfields 0 , 1, and 4 are free to choose to capture URIs from data sources listed below or others identified by their institutions. Inclusion of a particular data source in this document is not necessarily an endorsement, but rather an acknowledgment that they are commonly used by the library, archives and museum communities for the purposes of bibliographic description.*** Implementation patterns for use and provisioning of URIs by data publishers vary immensely. No judgement is made about which patterns are preferred, but rather the document is designed to help consumers of these data sources (both catalogers and developers) to navigate the patterns to select the appropriate URI to meet specific use cases.

There are a number of motivations for including URIs from external data sources in bibliographic data, e.g. to help with headings maintenance, preparation for conversion to RDF, dereferencing the URI to bring external data into a discovery environment. In order to achieve desired goals, it is often necessary to be able to distinguish between URIs for *Authorities* (Documents about things) and URIs for the *Things* the Authority describes. MARC has recently developed a machine-actionable way to designate that a URI is for an Authority or the Thing described by the Authority (https://www.loc.gov/marc/mac/2017/2017-08.html), but practice populating these subfields is nascent. With an eye toward the future, this document is structured to highlight how data sources currently model their entity types and how to locate corresponding URIs. When data sources attempt to make a distinction between Authorities/skos:Concepts about Things and the Things themselves (also referred to as Real World Objects (RWO)), these URI implementation patterns are described.

Note**: The descriptions of implementation patterns in this document are thought to be correct at the time of publication; as data providers change their practices the document may no longer reflect current practice. This may be especially true as initiatives move from http to https.* ***Metadata practitioners should consult the data source documentation directly for the most current information.

The document is structured as two lists of data sources sorted alphanumerically. The first list includes only those data sources that provide data as linked data (noting RWO/Authority modeling choices). The second list is for data sources that have control numbers or other standard identifiers, but ultimately do not publish their data as linked open data.

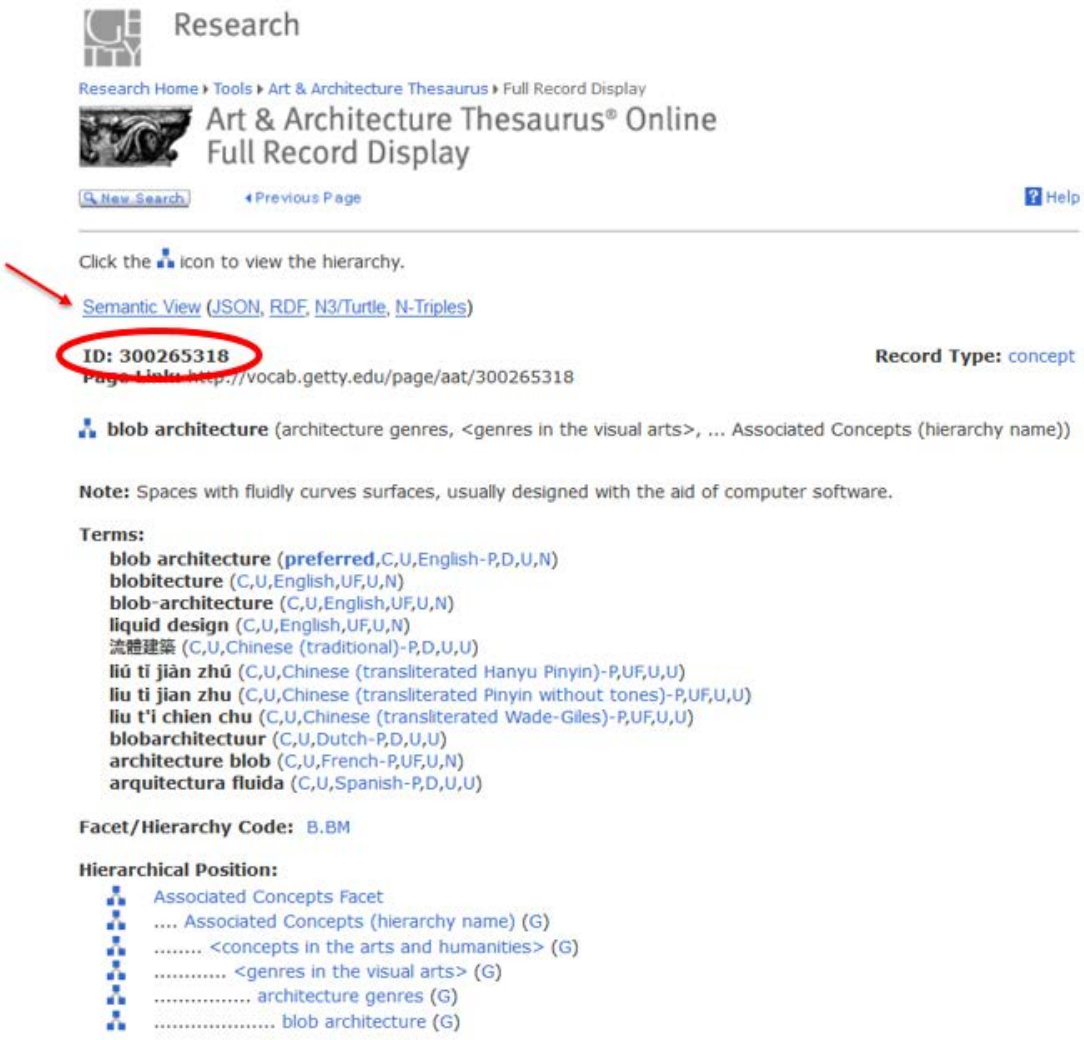
Linked Data Resources

AAT - Art & Architecture Thesaurus

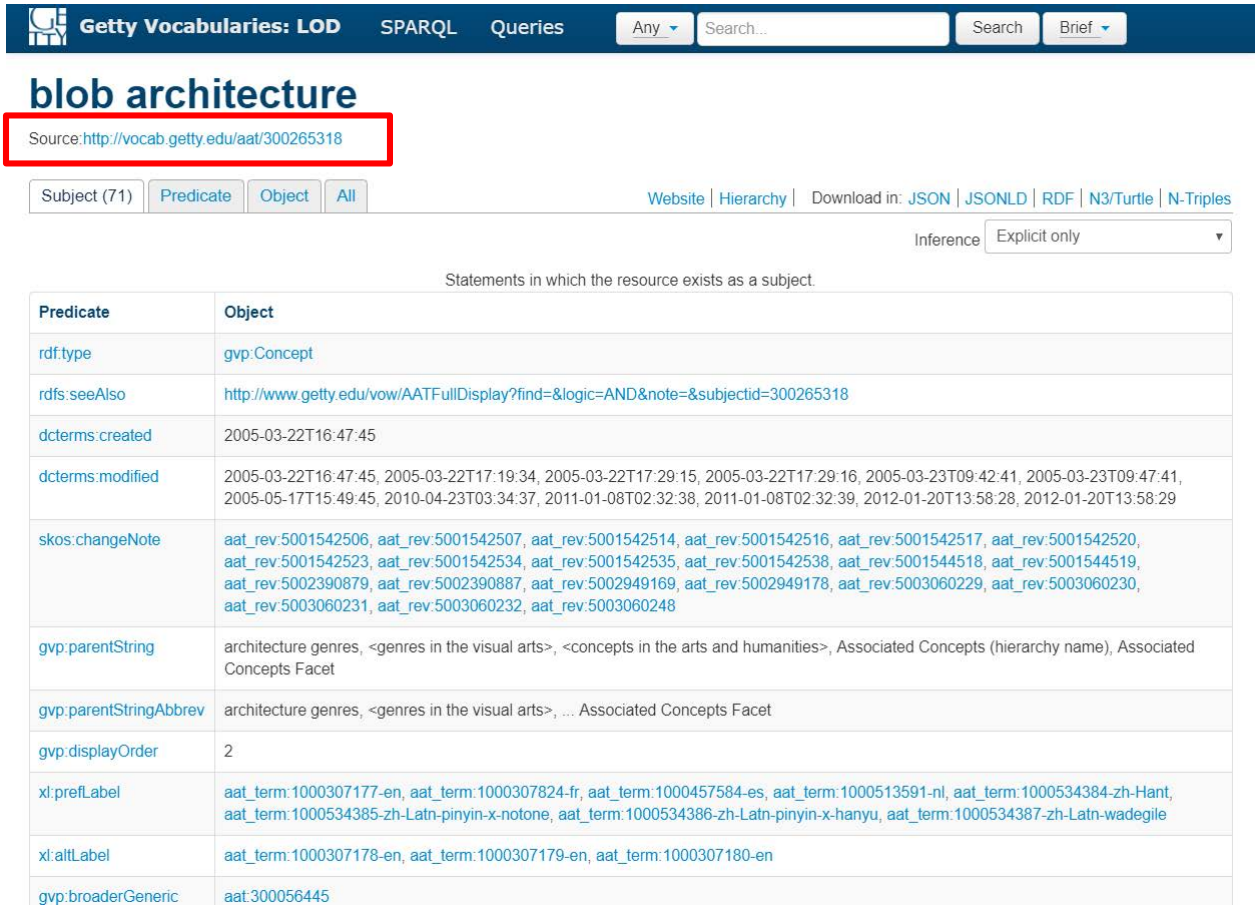
Last Reviewed: 2017-04-07
Homepage: http://www.getty.edu/research/tools/vocabularies/aat/

Contact Information: vocab@getty.edu
Rights and Use Restrictions on the Data:
http://www.getty.edu/research/tools/vocabularies/aat/
Modeling: skos:Concept, http://vocab.getty.edu/ontology
MARC Subfield for Capturing URIs: $0

To Formulate URI: append the ID to http://vocab.getty.edu/aat/
Example: http://vocab.getty.edu/aat/300265318



Semantic View:



Predicate	Object
rdf:type	gvp:Concept
rdfs:seeAlso	http://www.getty.edu/vow/AATFullDisplay?find=&logic=AND&note=&subjectid=300265318
dcterms:created	2005-03-22T16:47:45
dcterms:modified	2005-03-22T16:47:45, 2005-03-22T17:19:34, 2005-03-22T17:29:15, 2005-03-22T17:29:16, 2005-03-23T09:42:41, 2005-03-23T09:47:41, 2005-05-17T15:49:45, 2010-04-23T03:34:37, 2011-01-08T02:32:38, 2011-01-08T02:32:39, 2012-01-20T13:58:28, 2012-01-20T13:58:29
skos:changeNote	aat_rev:5001542506, aat_rev:5001542507, aat_rev:5001542514, aat_rev:5001542516, aat_rev:5001542517, aat_rev:5001542520, aat_rev:5001542523, aat_rev:5001542534, aat_rev:5001542535, aat_rev:5001542538, aat_rev:5001544518, aat_rev:5001544519, aat_rev:5002390879, aat_rev:5002390887, aat_rev:5002949169, aat_rev:5002949178, aat_rev:5003060229, aat_rev:5003060230, aat_rev:5003060231, aat_rev:5003060232, aat_rev:5003060248
gvp:parentString	architecture genres, <genres in the visual arts>, <concepts in the arts and humanities>, Associated Concepts (hierarchy name), Associated Concepts Facet
gvp:parentStringAbbrev	architecture genres, <genres in the visual arts>, ... Associated Concepts Facet
gvp:displayOrder	2
xl:prefLabel	aat_term:1000307177-en, aat_term:1000307824-fr, aat_term:1000457584-es, aat_term:1000513591-nl, aat_term:1000534384-zh-Hant, aat_term:1000534385-zh-Latn-pinyin-x-notone, aat_term:1000534386-zh-Latn-pinyin-x-hanyu, aat_term:1000534387-zh-Latn-wadegile
xl:altLabel	aat_term:1000307178-en, aat_term:1000307179-en, aat_term:1000307180-en
gvp:broaderGeneric	aat:300056445

APIs: http://vocabsservices.getty.edu/AATService.asmx (SPARQL endpoint is also available (http://vocab.getty.edu/sparql).
Query examples to get URIs for particular entity types: http://vocab.getty.edu/queries#Full_Text_Search_Query
Frequency of Updates/Versioning of Data: Data is refreshed every two weeks.
Who is using these entities: N/A
Tools: N/A
Other: The TGN is available fee-free in JSON, RDF, N3/Turtle, and N-Triples under the Open Data Commons Attribution License (ODC-By) 1.0. Please see http://www.getty.edu/research/tools/vocabularies/obtain/download.html.

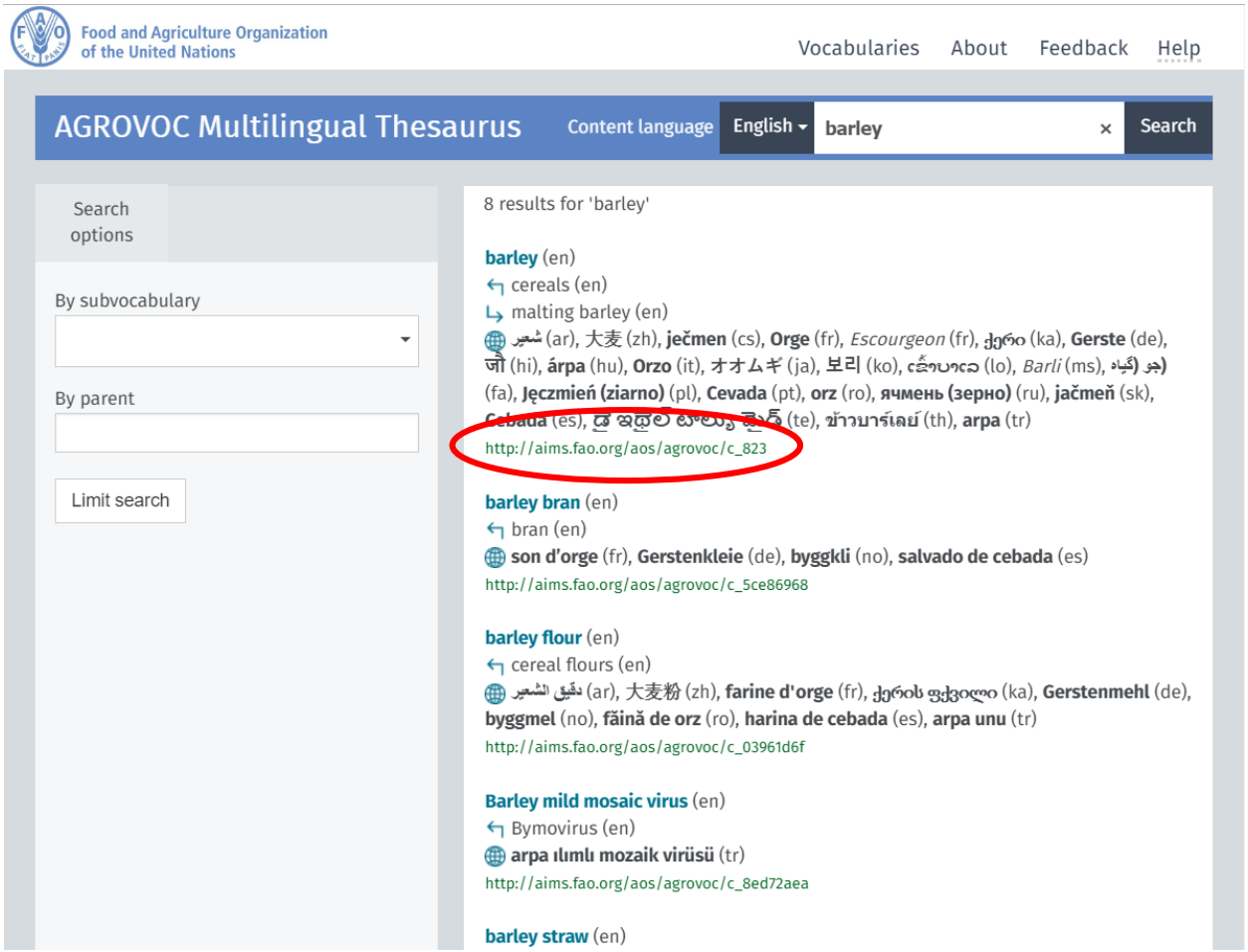
AGROVOC

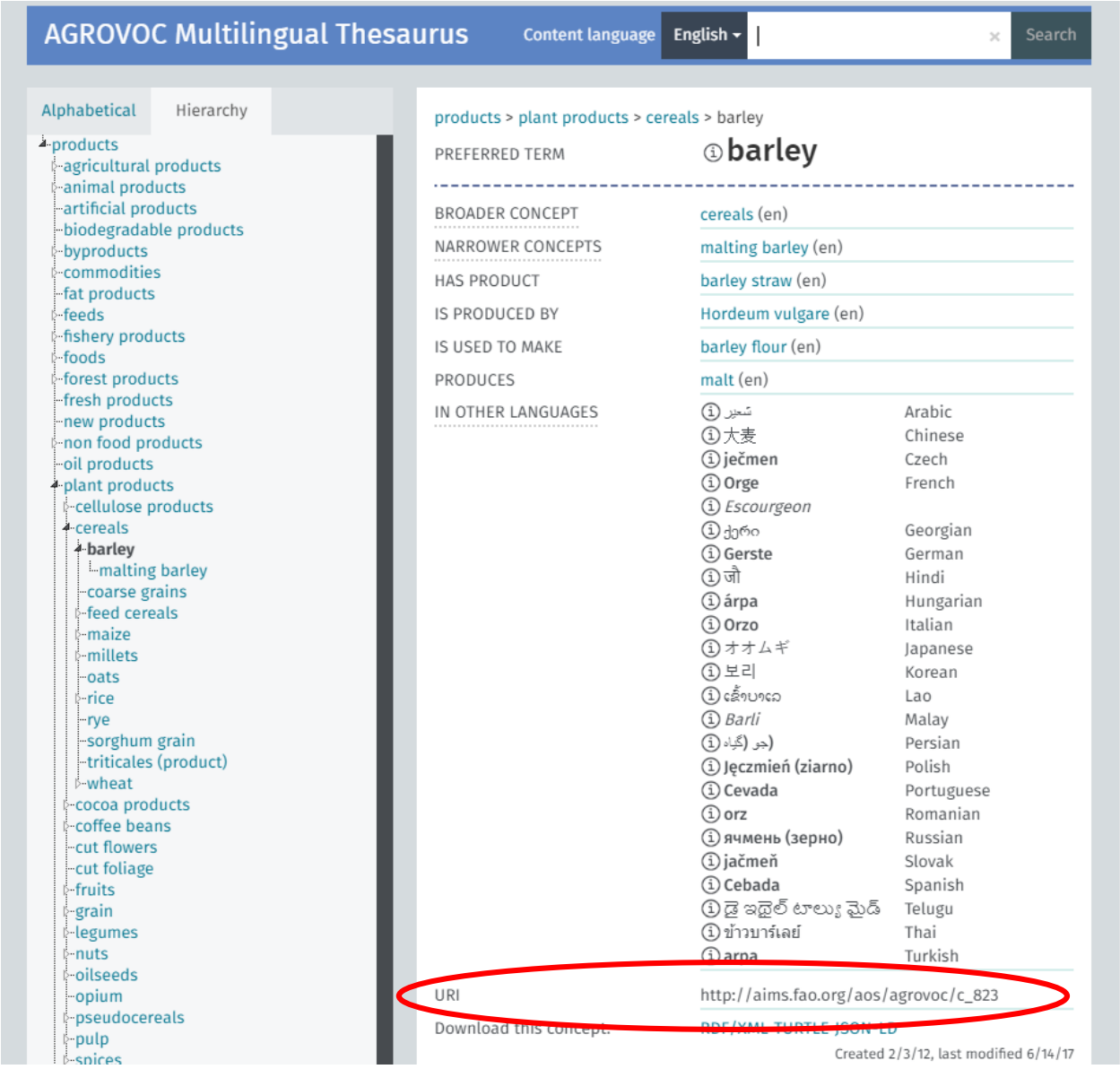
Last Reviewed: 2017-04-07
Homepage: http://aims.fao.org/agrovoc

Contact Information: agrovoc@fao.org
Rights and Use Restrictions on the Data: http://creativecommons.org/licenses/by/4.0/
Modeling: skos:Concept
MARC Subfield for Capturing URIs: $0

To Obtain URI: search for term and copy the URI from the displayed results

Example: http://aims.fao.org/aos/agrovoc/c_823





APIs: SPARQL Endpoint, http://202.45.139.84:10035/catalogs/fao/repositories/agrovoc. WebServices, https://aims-fao.atlassian.net/wiki/spaces/AGV/pages/1507347/WEB+SERVICES. RDF dumps, https://aims-fao.atlassian.net/wiki/spaces/AGV/pages/2949126/Releases.

Query examples to get URIs for particular entity types: http://202.45.139.84:10035/catalogs/fao/repositories/agrovoc has example queries readily available.

Frequency of Updates/Versioning of Data: Monthly downloads.

Who is using these entities: N/A

Tools: N/A
Other:

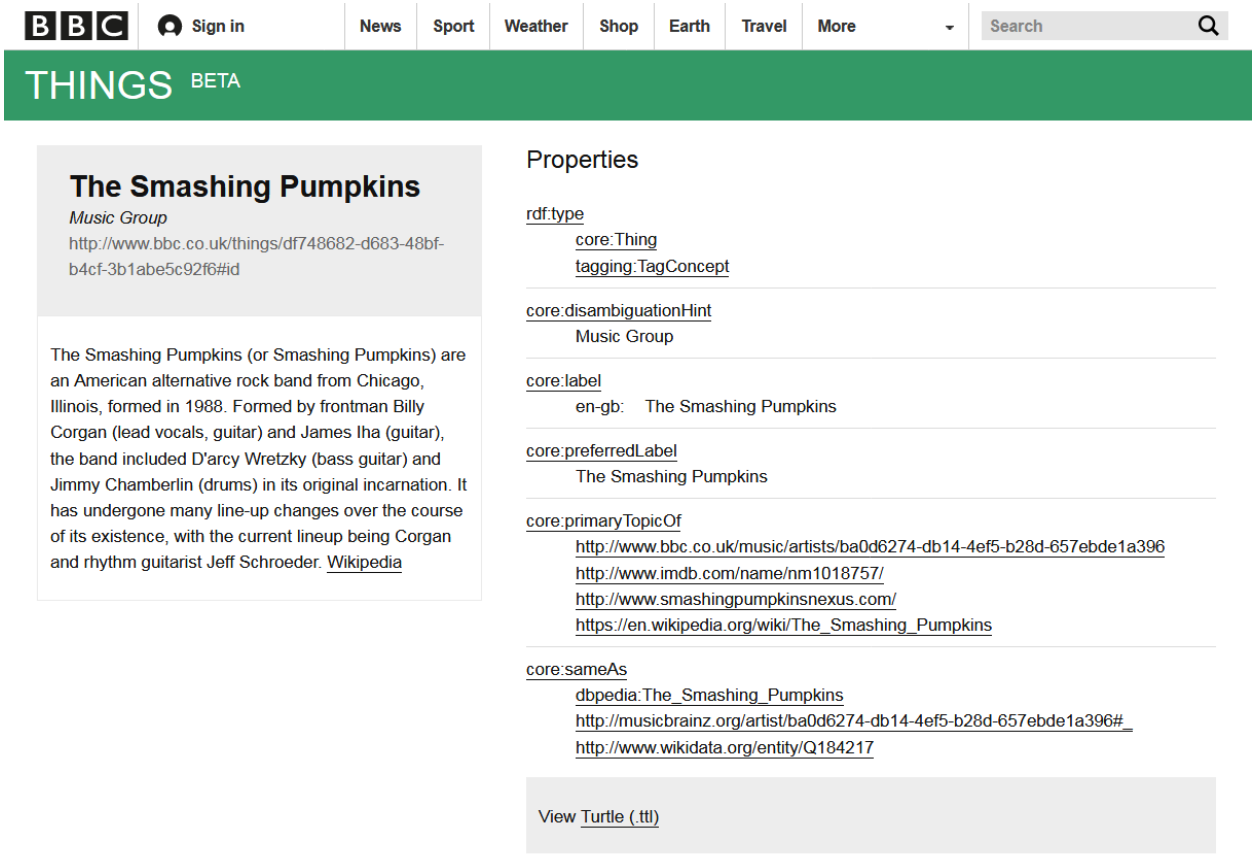
BBC Things

Last Reviewed: 2017-12-22
Homepage: https://www.bbc.co.uk/things/
Contact Information: Connections.TechSupport@bbc.co.uk
Rights and Use Restrictions on the Data: “We're exposing the entire RDF repository of BBC Things via a REST API. It's only accessible by BBC employees and partners at the moment but we have plans to extend this to the general public. Interested? Drop us an email and we'll get back to you once this is available.” https://www.bbc.co.uk/things/api
Modeling: https://www.bbc.co.uk/ontologies
MARC Subfield for Capturing URIs: $1

To Obtain URI: search for entity and copy the BBC Things URI that includes #id at the end

Example: **http://www.bbc.co.uk/things/df748682-d683-48bf-b4cf-3b1abe5c92f6#id**

Note: BBC Things has moved to https, but they still list the http version of the URI as the URI for their things.



APIs: "BBC Things pages are available in TTL. Simply add the file extension .ttl to the url or specify the *text/turtle* Accept header." -- https://www.bbc.co.uk/things/api

Query examples to get URIs for particular entity types: N/A

Frequency of Updates/Versioning of Data: N/A

Who is using these entities: N/A

Tools: N/A

Other:

CERL Thesaurus

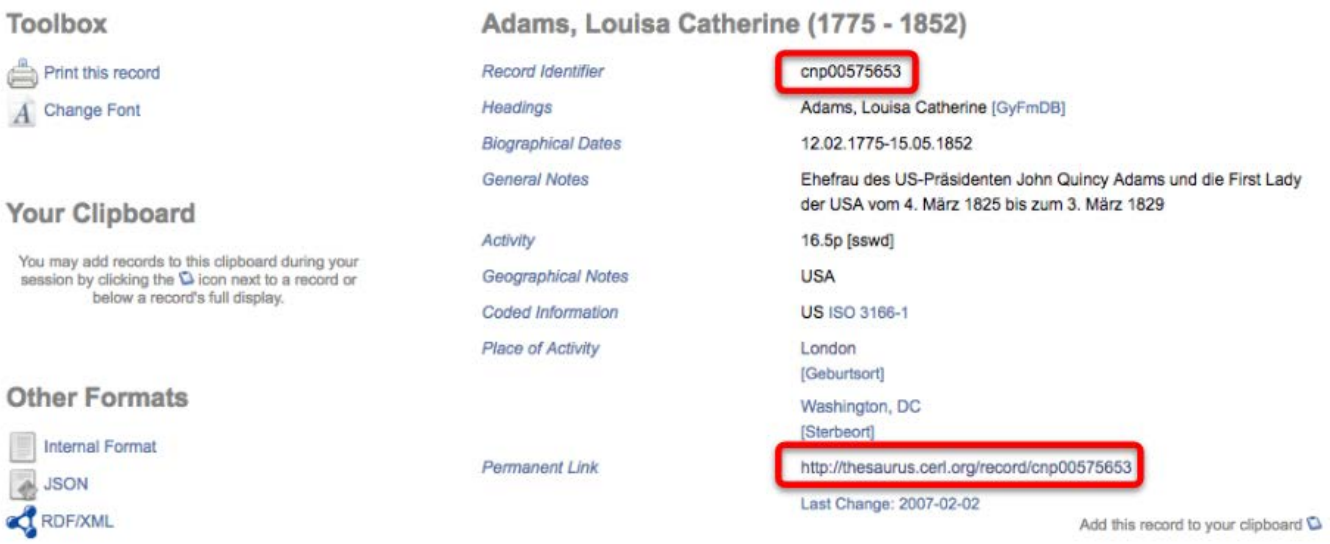
Last Reviewed: 2017-12-22
Homepage: https://thesaurus.cerl.org/
Contact Information:
Rights and Use Restrictions on the Data: “The CERL Thesaurus data is available under the terms of Etalab's Open Licence, which can be considered equivalent to ODC-BY and CC-BY 2.0. Please see here for the full legal text of the licence in French or English” - https://thesaurus.cerl.org/cgi-bin/search.pl
Modeling: https://www.cerl.org/resources/cerl_thesaurus/linkeddata
MARC Subfield for Capturing URIs: $1

To Obtain URI: search for entity and copy the URI from the permanent link.

Alternatively, search for entity and append the record identifier to http://thesaurus.cerl.org/record/

Example: http://thesaurus.cerl.org/record/cnp00575653

Note: CERL has moved to https, but they still list the http version of the URI as the URI for their Permanent link.



APIs:
SRU- https://www.cerl.org/resources/cerl_thesaurus/sru.

Linked Data- "CERL Thesaurus records are returned in RDF/XML if the HTTP-header *Accept* is set to application/rdf+xml."
Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: N/A

DBpedia

Last Reviewed: 2017-12-22
Homepage: http://wiki.dbpedia.org/about
Contact Information: http://wiki.dbpedia.org/about/contact
Rights and Use Restrictions on the Data: "Creative Commons Attribution-ShareAlike 3.0 License and the GNU Free Documentation License." - http://wiki.dbpedia.org/about
Modeling: http://wiki.dbpedia.org/services-resources/ontology
MARC Subfield for Capturing URIs: $1

Each thing in the DBpedia data set is *denoted* by a de-referenceable IRI- or URI-based reference of the form http://dbpedia.org/resource/Name, where *Name* is *derived* from the URL of the source Wikipedia article, which has the form http://en.wikipedia.org/wiki/Name. Thus, each DBpedia entity is tied directly to a Wikipedia article. Every DBpedia entity name resolves to a description-oriented Web document (or Web resource).

To Formulate URI: Go to the Wikipedia article about the entity in question.

Example: http://en.wikipedia.org/wiki/British_Library or https://en.wikipedia.org/wiki/British_Library

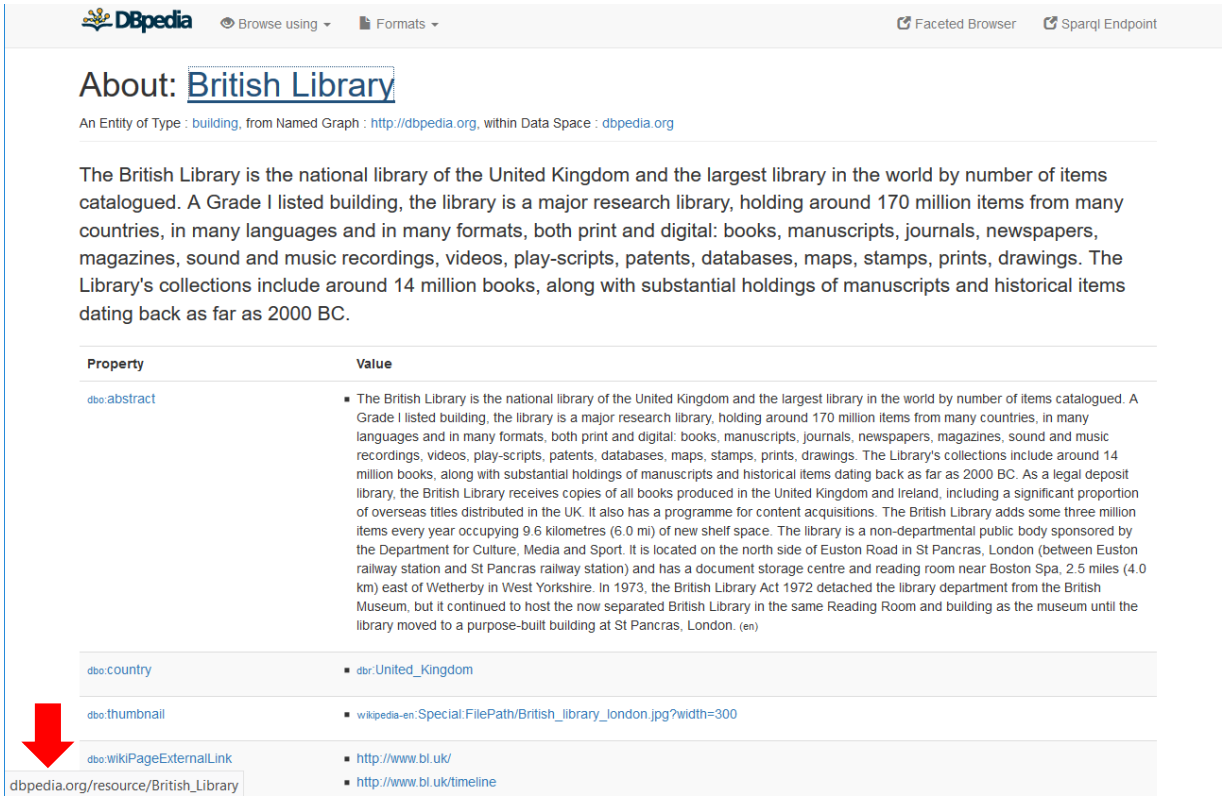
Append the *Name* portion of the Wikipedia URL to http://dbpedia.org/resource/

Example: http://dbpedia.org/resource/British_Library

Note: If you put the DBpedia URI into a web browser, the browser address bar will not show the correct URI. The URL in the browser will have http://dbpedia.org/page/ instead of http://dbpedia.org/resource/. However, if you move your cursor over the name of the entity itself, the link you get there will be correct and can be copied and pasted. See illustration below.

Do not use the URL from the address bar. Instead either replace "page" with "resource" or move the cursor to the linked name of the entity after "About:" (in this example, British_Library) and then copy the URI from it.

Notice the correct URI at the bottom of the screen image below.



Names with diacritics or special characters: For names that contain diacritics or special characters, it is important to obtain the UTF-8 hexadecimal byte codes for these characters. For example for François René de Chateaubriand, the URI http://dbpedia.org/resource/François-René_de_Chateaubriand is technically correct, but will not validate in MARC records. To get a URI that will work in MARC records, right click on the name following "About" at the top of the entity's DBpedia page and select "Copy Link Location." Use the link obtained, for example: http://dbpedia.org/resource/Fran%C3%A7ois-Ren%C3%A9_de_Chateaubriand

DBpedia Browse using Formats Faceted Browser Sparql Endpoint

About: François-René de Chateaubriand

An Entity of Type : person, from Named Graph : http://dbpedia.org, within Data Space : dbpedia.org

François-René, Vicomte de Chateaubriand (/ˈfæ ˌtoʊbriːˈɑːn/; French: [fʁɑ̃swa ʁəne də ʃɑtobʁijɑ̃]; September 4, 1768 – July 4, 1848) was a French writer, politician, diplomat, and historian, who is considered the founder of Romanticism in French literature. Descended from an old aristocratic family from Brittany, Chateaubriand was a royalist by political disposition; in an age when a number of intellectuals turned against the Church, he authored the Génie du christianisme in defense of the Catholic faith. His works include the autobiography Mémoires d'outre-tombe ("Memoirs from Beyond the Grave"', published posthumously in 1849–1850).

Property	Value
dbo:abstract	▪ François-René, Vicomte de Chateaubriand (/ˈfæ ˌtoʊbriːˈɑːn/; French: [fʁɑ̃swa ʁəne də ʃɑtobʁijɑ̃]; September 4, 1768 – July 4, 1848) was a French writer, politician, diplomat, and historian, who is considered the founder of Romanticism in French literature. Descended from an old aristocratic family from Brittany, Chateaubriand was a royalist by political disposition; in an age when a number of intellectuals turned against the Church, he authored the Génie du christianisme in defense of the Catholic faith. His works include the autobiography Mémoires d'outre-tombe ("Memoirs from Beyond the Grave"', published posthumously in 1849–1850). (en)
dbo:birthDate	▪ 1768-09-04 (xsd:date) ▪ 1768-9-4
dbo:birthPlace	▪ dbr:Saint-Malo

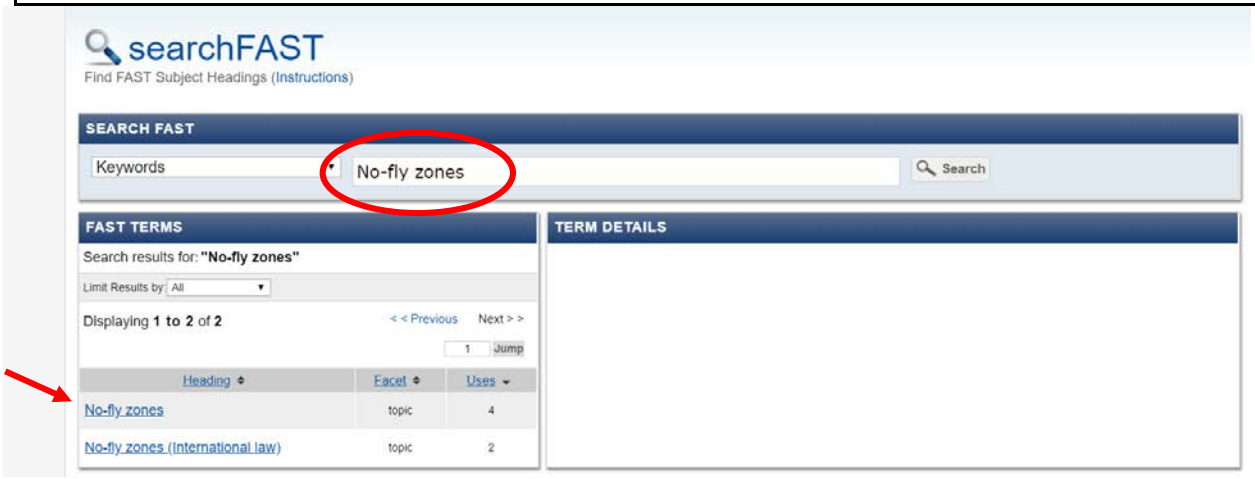
APIs: DBpedia Look-up, http://wiki.dbpedia.org/projects/dbpedia-lookup. Online access (including SPARQL Endpoint and Triple Pattern Fragments information), http://wiki.dbpedia.org/OnlineAccess.
Query examples to get URIs for particular entity types: examples can be found here http://wiki.dbpedia.org/OnlineAccess.
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: N/A

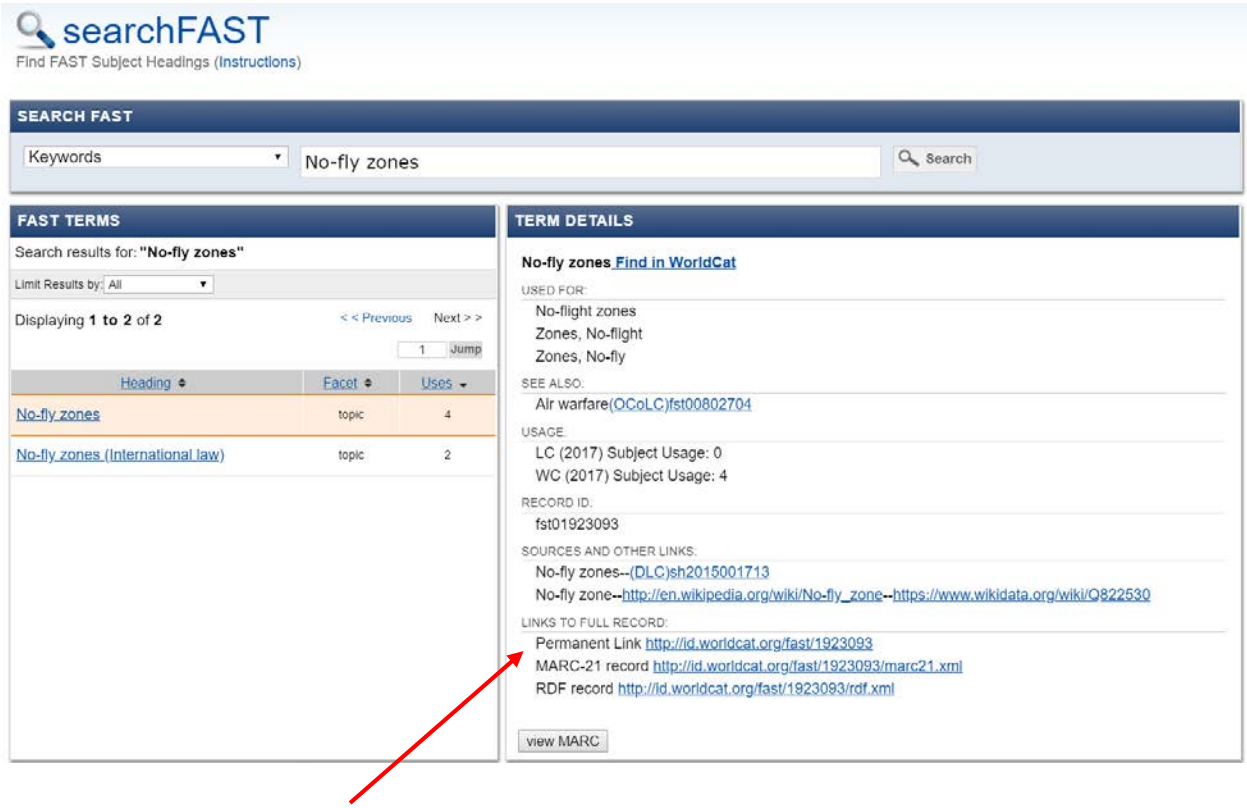
FAST - Faceted Application of Subject Terminology

Last Reviewed: 2017-12-28
Homepage: http://fast.oclc.org/searchfast/
Contact Information: Online form, https://www.oclc.org/research/forms/feedback-form.html?project=FAST. Listserv, https://www.oclc.org/research/news/2016/08-10.html
Rights and Use Restrictions on the Data: Open Data Commons Attribution Licence
Modeling: "These Linked Data authorities are formatted using schema.org and SKOS (Simple Knowledge Organization System).", http://experimental.worldcat.org/fast/. The entities are not explicitly typed as skos:Concepts, but many of the properties used to describe them have domains of skos:Concepts.
MARC Subfield for Capturing URIs: $0

To Obtain URI: find the FAST term in the searchFAST user interface, view the FAST record, and copy the Permanent Link

Example: http://id.worldcat.org/fast/1923093





Alternatively, To Formulate URI: if you have the FAST Record ID, remove the prefix “fst” and any leading zeros, and append the number to http://id.worldcat.org/fast/

Example:
Record ID: fst01923093
URI: http://id.worldcat.org/fast/1923093

searchFAST

Find FAST Subject Headings (Instructions)

SEARCH FAST

Keywords | No-fly zones | Search

FAST TERMS

Search results for: "No-fly zones"

Limit Results by: All

Displaying 1 to 2 of 2 | < < Previous | Next > >

1 Jump

Heading	Facet	Uses
No-fly zones	topic	4
No-fly zones (International law)	topic	2

TERM DETAILS

No-fly zones Find in WorldCat

USED FOR:

No-flight zones
Zones, No-flight
Zones, No-fly

SEE ALSO:

Air warfare(OCoLC)fst00802704

USAGE:

LC (2017) Subject Usage: 0
WC (2017) Subject Usage: 4

RECORD ID:

fst01923093

SOURCES AND OTHER LINKS:

No-fly zones--(DLC)sh2015001713
No-fly zone--http://en.wikipedia.org/wiki/No-fly_zone--https://www.wikidata.org/wiki/Q822530

LINKS TO FULL RECORD:

Permanent Link http://id.worldcat.org/fast/1923093
MARC-21 record http://id.worldcat.org/fast/1923093/marc21.xml
RDF record http://id.worldcat.org/fast/1923093/rdf.xml

view MARC

OCLC 227900199 No holdings in HLS - 2 other holdings

No HLS holdings in GLIMIR cluster; 2 other holdings in GLIMIR cluster of 1

100	1		Jouas, Jan-Marc, ‡e author.
245	1	0	No-fly zones : ‡b an effective use of airpower, or just a lot of noise? / ‡c by Jan-Marc Jouas.
264		1	[Fort Belvoir, Virginia] : ‡b [Defense Technical Information Center], ‡c [1998]
300			1 online resource (81 pages)
336			text ‡b txt ‡2 rdacontent
337			computer ‡b c ‡2 rdamedia
338			online resource ‡b cr ‡2 rdacarrier
347			text file ‡b PDF ‡2 rda
500			"June 1998."
506			Approved for public release.
504			Includes bibliographical references (pages 78-81).
588	0		Online resource; title from PDF title page (DTIC, viewed on October 29, 2015).
650		0	No-fly zones.
650		7	No-fly zones. ‡2 fast ‡0 (OCoLC)fst01923093
650	1	7	Intervention. ‡2 dtict
650	1	7	Air power. ‡2 dtict
650	2	7	Foreign policy. ‡2 dtict

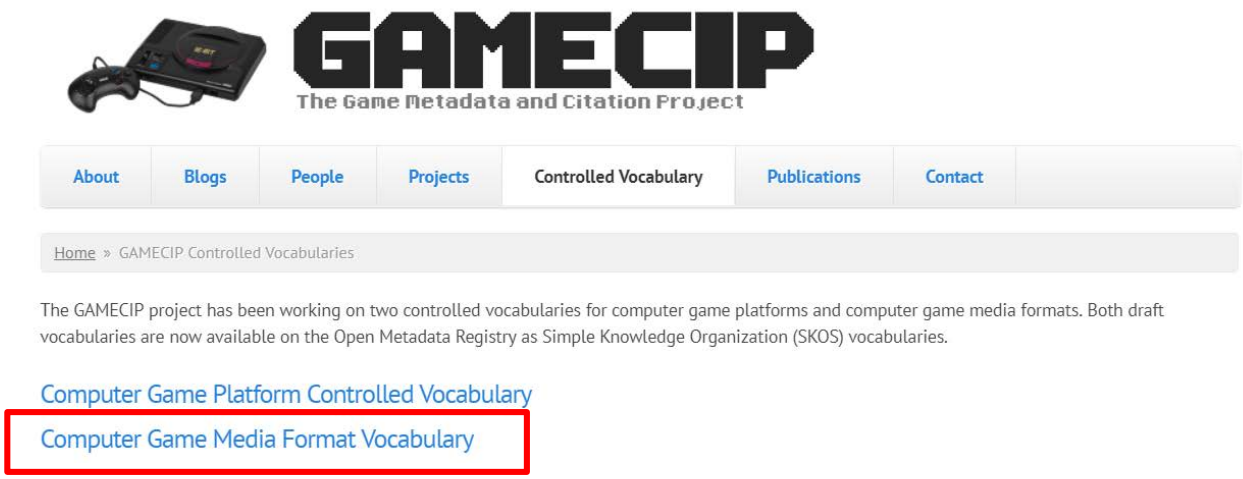
FAST Record ID in $0 of OCLC record

APIs: The SRW/SRU API to access the FAST Linked Data is described at the OCLC Developers Network https://www.oclc.org/developer/develop/web-services/fast-api/linked-data.en.html.
RDF Downloads: https://www.oclc.org/research/themes/data-science/fast/download.html
Query examples to get URIs for particular entity types: RDF profile is available here (for querying the RDF downloads): http://experimental.worldcat.org/fast/stats/FASTLinkedDataProfile.html.
Examples for querying the SRW/SRU APIs available here: https://www.oclc.org/developer/develop/web-services/fast-api/linked-data.en.html
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: N/A

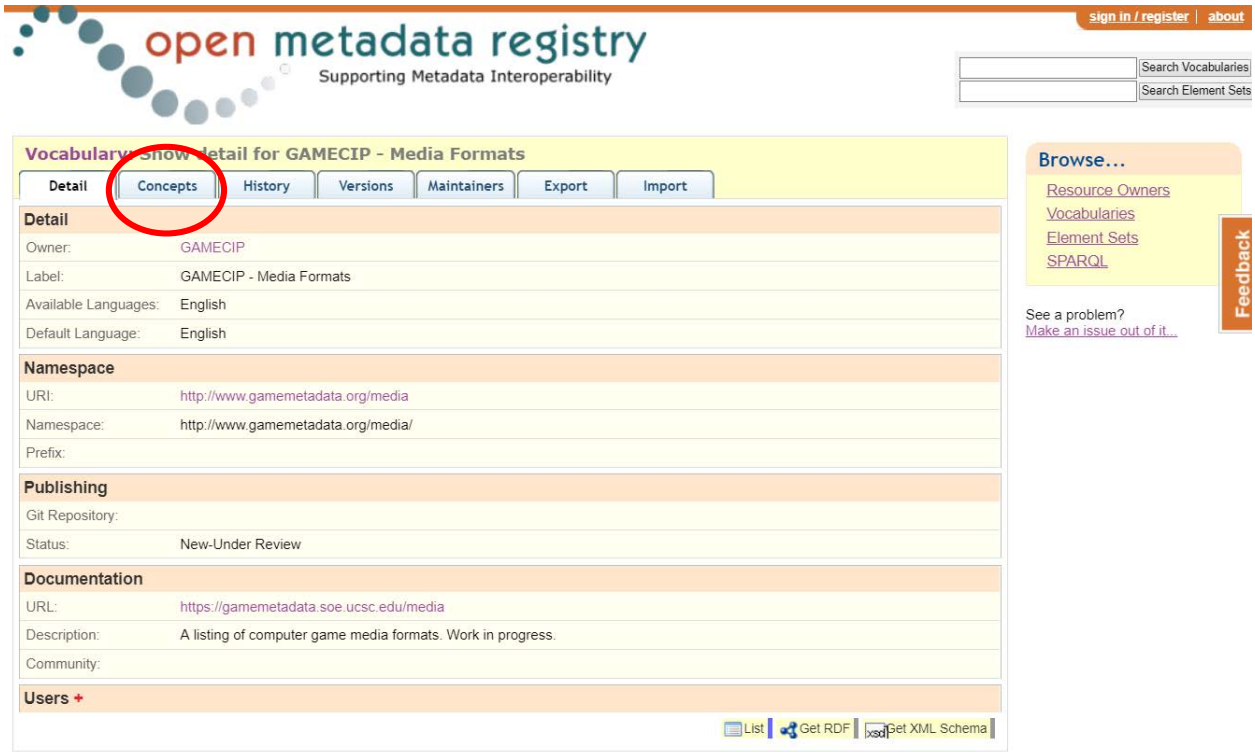
GAMECIP Computer Game Media Format Vocabulary

Last Reviewed: 2017-12-12
Homepage: https://gamecip.soe.ucsc.edu/node/85
Contact Information: https://gamecip.soe.ucsc.edu/contact
Rights and Use Restrictions on the Data: © 2018 The Regents of the University of California. All Rights Reserved.
Modeling: skos:Concepts
MARC Subfield for Capturing URIs: $0

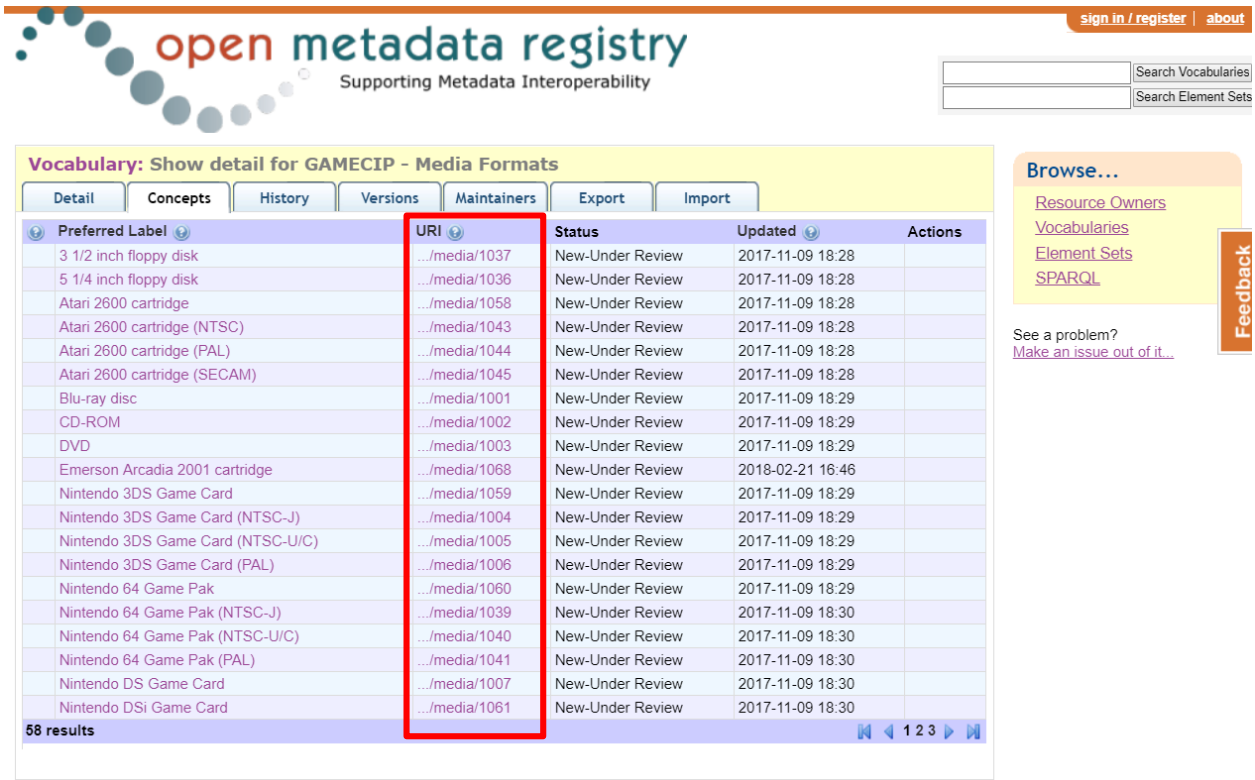
To Formulate URI: Append numeric value from Open Metadata Registry to the following namespace http://www.gamemetadata.org/media/
Example: http://www.gamemetadata.org/media/1061



The GAMECIP site links to this vocabulary in the Open Metadata Registry: http://metadataregistry.org/vocabulary/show/id/356.html



To obtain URIs, click on the **Concepts** tab.



APIs:

SPARQL Endpoint: http://metadataregistry.org/endpoint.php

RDF Download: “Get RDF” link available at
http://metadataregistry.org/vocabulary/show/id/356.html

Query examples to get URIs for particular entity types: N/A

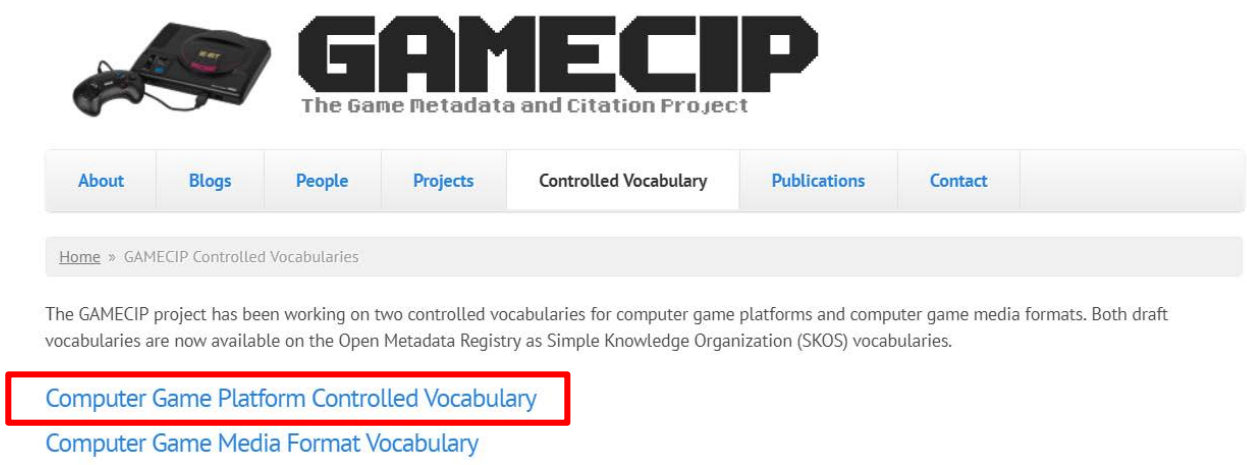
Frequency of Updates/Versioning of Data:
http://metadataregistry.org/history/list/vocabulary_id/356.html

Who is using these entities: N/A
Tools: N/A
Other: Note, as of 2018-01-19 URIs return a 403 when trying to dereference the URI. Before using, consider reaching out to GAMECIP.

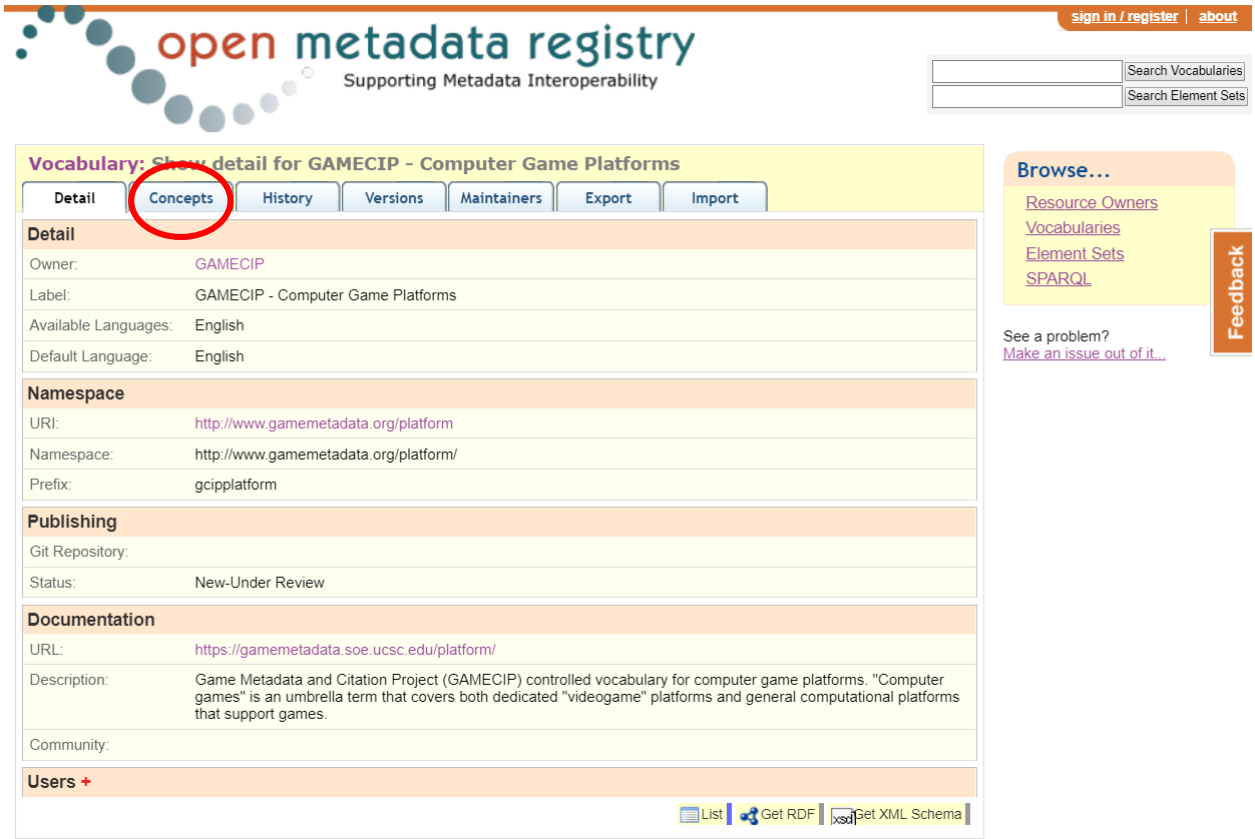
GAMECIP Computer Game Platform Controlled Vocabulary

Last Reviewed: 2017-12-12
Homepage: https://gamecip.soe.ucsc.edu/node/85
Contact Information: https://gamecip.soe.ucsc.edu/contact
Rights and Use Restrictions on the Data: © 2018 The Regents of the University of California. All Rights Reserved.
Modeling: skos:Concepts
MARC Subfield for Capturing URIs: $0

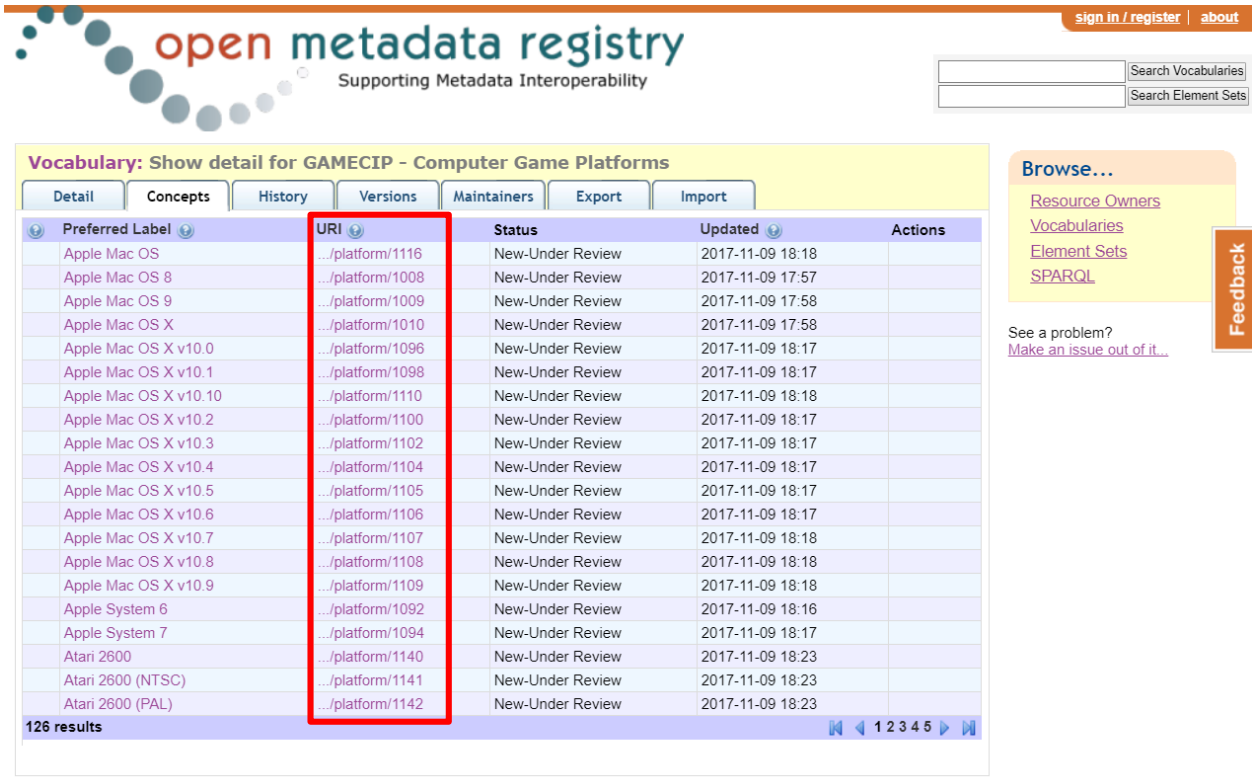
To Formulate URI: Append numeric value from Open Metadata Registry to the following namespace http://www.gamemetadata.org/platform
Example: http://www.gamemetadata.org/platform/1098



The GAMECIP site links to this vocabulary in the Open Metadata Registry: http://gamemetadata.org/uri/platform



To obtain URIs, click on the **Concepts** tab.



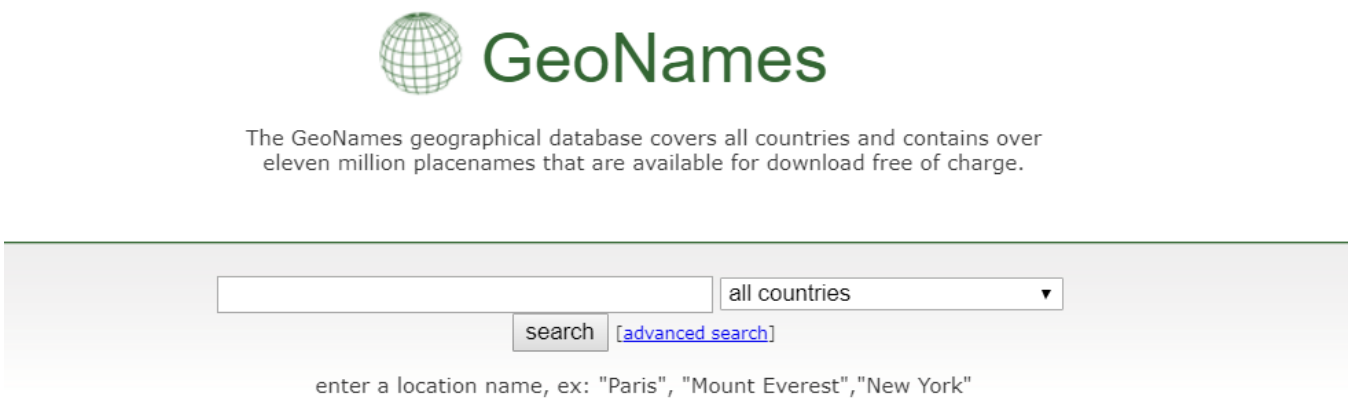
APIs:
SPARQL Endpoint: http://metadataregistry.org/endpoint.php
RDF Download: “Get RDF” link available at
http://metadataregistry.org/vocabulary/show/id/356.html

Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data:
http://metadataregistry.org/history/list/vocabulary_id/354.html
Who is using these entities: N/A
Tools: N/A
Other: Note, as of 2018-01-19 URIs return a 403 when trying to dereference the URI. Before using, consider reaching out to GAMECIP.

GeoNames

Last Reviewed: 2017-12-12
Homepage: http://www.geonames.org/
Contact Information: https://groups.google.com/forum/#!forum/geonames (mailing list)
Rights and Use Restrictions on the Data: https://creativecommons.org/licenses/by/4.0/
Modeling: http://www.geonames.org/ontology/documentation.html
MARC Subfield for Capturing URIs: $1

To Formulate URI: append the identifier (shown circled in red below) to http://sws.geonames.org/
Example: http://sws.geonames.org/2657896/
Note: Do not take the URL found in the browser address bar which has "www" instead of "sws". You can see the canonical URI by clicking on the ".rdf" link.



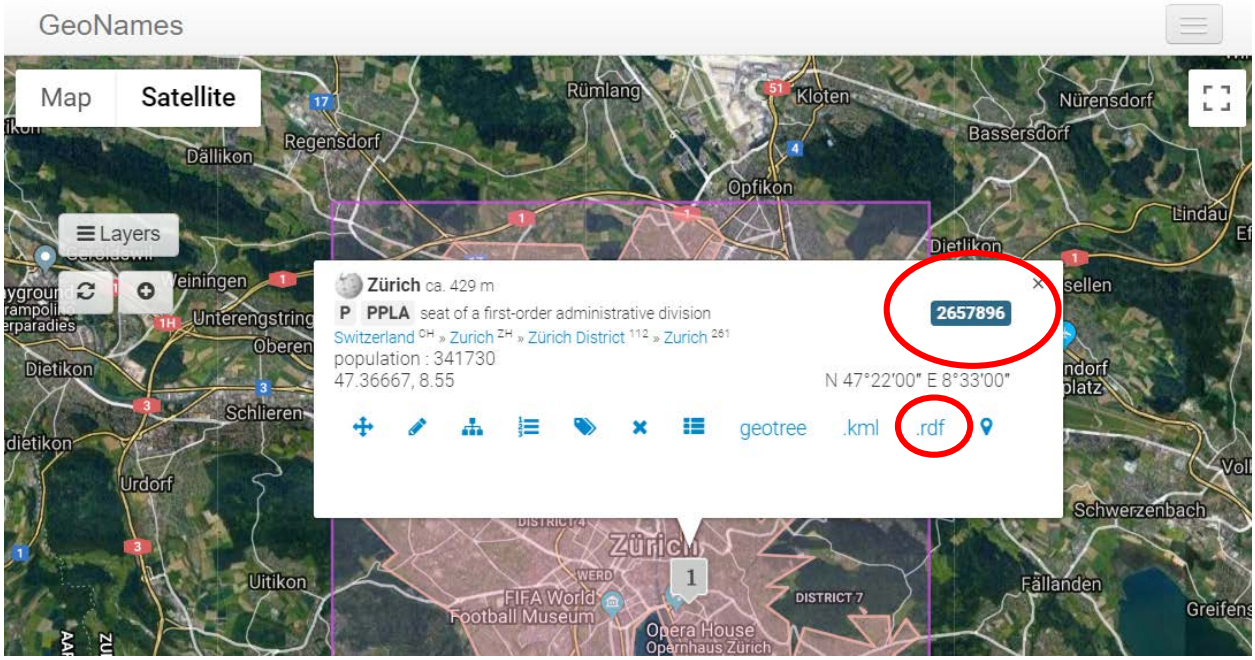
Zurich | all countries ▾

search [advanced search]

9384 records found for "Zurich"

	Name	Country	Feature class	Latitude	Longitude
1	Zurich Cirihe,Cirikh,Ciurichas,Cjurikh,Cjurikh khot,Cuerih,Curych,Cürih,Cïrihe,Gorad Cjurykh,Lungsod ng Zue...	Switzerland, Zurich Zürich District > Zurich	seat of a first-order administrative division population 341,730	N 47° 22' 0''	E 8° 33' 0''
2	Zurich Canton Zurigo,Canton de Zurich,Canton of Zurich,Chantun Turitg,Kanton Zuerich,Kanton Zurich,Kanton Z...	Switzerland, Zurich	first-order administrative division population 1,289,559	N 47° 25' 0''	E 8° 40' 0''
3	Winterthur Eulachstadt,Gorad Vintehrtur,Vintertour,Vintertur,Vintertura,Vinterturas,Vinterturi,Vinterturo,Vinte...	Switzerland, Zurich Bezirk Winterthur > Winterthur	seat of a second-order administrative division population 91,908	N 47° 30' 20''	E 8° 43' 26''
4	Zürich (Kreis 11)	Switzerland, Zurich Zürich District > Zurich	section of populated place population 54,260	N 47° 25' 23''	E 8° 31' 18''
5	Zurich airport Aeroport de Zurich,Aéroport de Zurich,Flughafen Zuerich,Flughafen Zürich,Kloten Airport,LSZH,ZRH,Zur...	Switzerland, Zurich Dielsdorf > Rümlang	airport elevation 431m	N 47° 27' 9''	E 8° 33' 37''
6	Zürich District Bezirk Zuerich,Bezirk Zürich,Cjurikh,Distretto di Zurigo,District de Zurich,Districte de Zuric,Distr...	Switzerland, Zurich Zürich District	second-order administrative division population 380,777	N 47° 22' 16''	E 8° 32' 35''
7	Zürich (Kreis 4) / Aussersihl Aussersihl,Zuerich (Kreis 4),Zürich (Kreis 4)	Switzerland, Zurich Zürich District > Zurich	section of populated place population 27,273	N 47° 22' 39''	E 8° 31' 16''
8	Zürich (Kreis 9) / Altstetten Altstetten	Switzerland, Zurich Zürich District > Zurich	section of populated place population 28,307	N 47° 23' 22''	E 8° 29' 7''
9	Zürich (Kreis 12)	Switzerland, Zurich Zürich District > Zurich	section of populated place population 28,189	N 47° 24' 13''	E 8° 34' 33''

Click on the small symbol below the number:



```
− <rdf:RDF>
  − <gn:Feature rdf:about="http://sws.geonames.org/2657896/">
      <rdfs:isDefinedBy rdf:resource="http://sws.geonames.org/2657896/about.rdf"/>
      <gn:name>Zurich</gn:name>
      <gn:alternateName xml:lang="am">ዙሪክ</gn:alternateName>
      <gn:alternateName xml:lang="ko">취리히</gn:alternateName>
      <gn:alternateName xml:lang="arc">ܙܘܪܝܟ</gn:alternateName>
      <gn:alternateName xml:lang="arc">ܙܘܪܝܟܐ</gn:alternateName>
      <gn:alternateName xml:lang="th">ซูริก</gn:alternateName>
      <gn:alternateName xml:lang="ja">チューリッヒ</gn:alternateName>
      <gn:alternateName xml:lang="lv">Cīrihe</gn:alternateName>
      <gn:alternateName xml:lang="lt">Ciurichas</gn:alternateName>
      <gn:alternateName xml:lang="vep">Cürih</gn:alternateName>
      <gn:alternateName xml:lang="cs">Curych</gn:alternateName>
      <gn:alternateName xml:lang="tl">Lungsod ng Zürich</gn:alternateName>
      <gn:alternateName xml:lang="cdo">Sŭ-lạ̀-sié</gn:alternateName>
      <gn:alternateName xml:lang="az">Sürix</gn:alternateName>
      <gn:alternateName xml:lang="uz">Syurix</gn:alternateName>
```


APIs:
Download / Web Service: http://www.geonames.org/export/
Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data:
http://download.geonames.org/export/dump/

Who is using these entities: N/A
Tools: N/A
Other: N/A

GND - Gemeinsame Normdatei (Integrated Authority File)

Last Reviewed: 2019-06-13
Homepage: http://www.dnb.de/EN/gnd
Contact Information:
http://www.dnb.de/EN/Header/Kontakt/kontakt_node.html
Rights and Use Restrictions on the Data: "The GND authority data are available to all interested parties in different ways, free of charge under licence CC0 1.0, in the following formats: MARC 21 Authority, MARC21-xml and RDFxml." -
http://www.dnb.de/EN/Standardisierung/GND/gnd_node.html
Modeling: http://d-nb.info/standards/elementset/gnd
MARC Subfield for Capturing URIs:

$0 - URIs for DNB Subject Headings (gndo:SubjectHeading)
- URIs for DNB Conference or Event (gndo:ConferenceOrEvent)
- URIs for DNB Corporate Body (gndo:CorporateBody)
- URIs for DNB Family (gndo:Family)
- URIs for DNB Person (gndo:Person)
- URIs for DNB Place or Geographic Name (gndo:Place or Geographic Name)
- URIs for DNB Work (gndo:Work)

A GND example at http://d-nb.info/gnd/128715928 via DNB permalink resolver:

Ergebnis der Suche nach: ***nid=128715928***

Treffer 1 von 1

Link zu diesem Datensatz	http://d-nb.info/gnd/128715928
Person	Siegmund, Alexander
Akademischer Grad	Prof. Dr.
Geschlecht	männlich
Andere Namen	Siegmund, A.
Zeit	Lebensdaten: 1968-
Land	Deutschland (XA-DE)
Geografischer Bezug	Geburtsort: Hüfingen
Beruf(e)	Geograf
Weitere Angaben	Professor für geographische Fachdidaktik, Geschäftsführender Direktor des Heidelberger Zentrums Bildung für nachhaltige Entwicklung
Beziehungen zu Personen	Frankenberg, Peter
Beziehungen zu Organisationen	Institut für Naturwissenschaften, Geographie und Technik. Abteilung Geographie
Thematischer Bezug	Geoökologie Welterbe Nachhaltigkeit
Typ	Person (piz)
Autor von	3 Publikationen 1. *GLOKAL Change - GLObale Umweltveränderungen in der Umweltbildung loKAL bewerten - Entwurf umweltdidaktischer Lernmodule auf der Basis von Satellitenbildern und originalen Begegnungen Siegmund, Alexander. - Osnabrück : Deutsche Bundesstiftung Umwelt, 2012* 2. *Die Baar Franger, Steffen. - Stuttgart : Stiftung Landesbank Baden-Württemberg, Natur und Umwelt, 2001, Stand: Nov. 2001* 3. ...

Aktionen

In meine Auswahl übernehmen
Druckansicht
Versenden
MARC21-XML-Repräsentation dieses Datensatzes
RDF (Turtle)-Repräsentation dieses Datensatzes
Dokumentation RDF (Linked Data Service)
Korrekturanfrage

Zugehöriger Artikel in *Wikipedia*

An example of GND URIs in a MARC authority record can be viewed at: http://www.heuvelmann.de/DNB_MARC_Sample_GND_Record_URIs.pdf

To Formulate the URI: append the external GND number to http://d-nb.info/gnd/

Example: http://d-nb.info/gnd/128715928

The GND is used to control a variety of fields in MARC Bibliographic records (1XX, 240, 6XX, 700-730, 751, as well as 385 for “Audience Characteristics”).

In 655 for “Index Term - Genre/Form” three small subsets of the GND are used, depending on the role that an entity described in a GND record has: gnd-carrier, gnd-content and gnd-music.

cf. http://www.loc.gov/standards/sourcelist/genre-form.html

In addition, the GND is used to “control itself”, i.e. there are links inside of the GND in MARC Authority records. This is possible because the GND is

quite comprehensive; apart from the GND only a few relatively small authority files are used.

The external GND number is contained in the DNB MARC authority record in field 035 in subfield $a with prefix “DE-588” in parentheses.

The external GND number is contained in the linking field in a DNB MARC bibliographic record in subfield $0 with prefix “DE-588” in parentheses.

DE-588 is the MARC Organization Code of the GND itself.

cf. http://ld.zdb-services.de/resource/organisations/DE-588

APIs:
http://www.dnb.de/EN/Standardisierung/GND/GNDMarcFormat/gndMarcFormat_node.html
Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: The external GND number is also commonly available in Wikipedia entries and through VIAF and Wikidata. For example, found at the bottom of the Wikipedia entry for German National Library:

External links [edit]

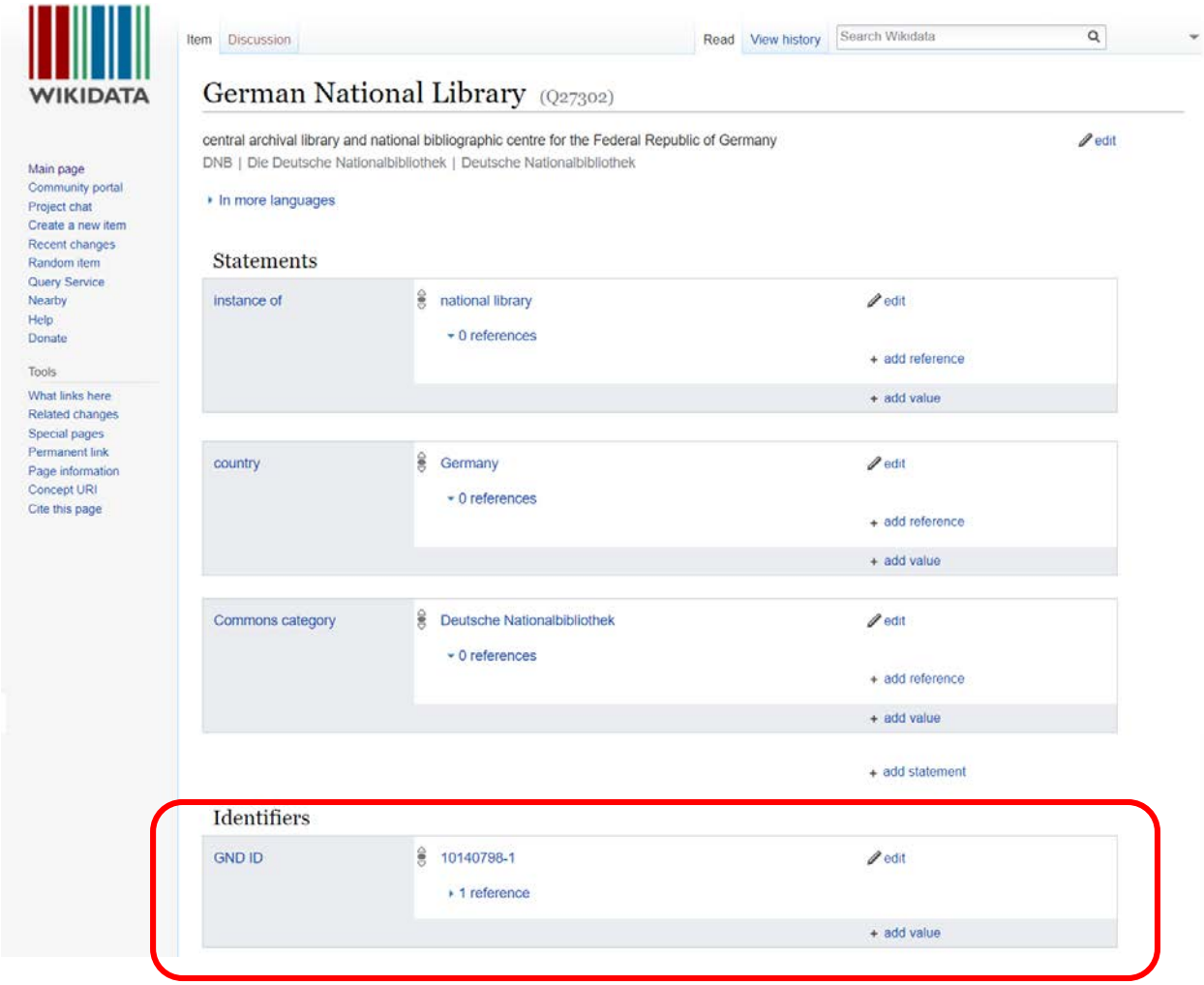
- dnb.de — German National Library
- Deutsches Musikarchiv Berlin
- AG Sammlung Deutscher Drucke
- Libraries-Link.net – German Internet portal for libraries
- LibWeb Germany – List of Library Servers in Germany

Wikimedia Commons has media related to ***Deutsche Nationalbibliothek***.

V · T · E	**National libraries of Europe** [hide]
Sovereign states	Albania · Andorra · Armenia · Austria · Azerbaijan · Belarus · Belgium · Bosnia and Herzegovina · Bulgaria · Croatia · Cyprus · Czech Republic · Denmark · Estonia · Finland · France · Georgia · **Germany** · Greece · Hungary · Iceland · Ireland · Italy · Kazakhstan · Latvia · Liechtenstein · Lithuania · Luxembourg · Macedonia · Malta · Moldova · Monaco · Montenegro · Netherlands · Norway · Poland · Portugal · Romania · Russia · San Marino · Serbia · Slovakia · Slovenia · Spain · Sweden · Switzerland · Turkey · Ukraine · United Kingdom · Vatican City
States with limited recognition	Abkhazia · Artsakh · Kosovo · Northern Cyprus · South Ossetia · Transnistria
Dependencies and other entities	Åland · Faroe Islands · Gibraltar · Guernsey · Isle of Man · Jersey · Svalbard
Other entities	European Union
Authority control	WorldCat Identities · BNE: XX270408 · BNF: cb12206999m (data) · GND: 10140798-1 · ISNI: 0000 0001 2290 5087 · LCCN: no2006067330 · NKC: kn20070212001 · SUDOC: 139023914 · VIAF: 148328332

Categories: National libraries | Libraries in Berlin | 1912 establishments in Germany | Libraries established in 1912 | Deposit libraries

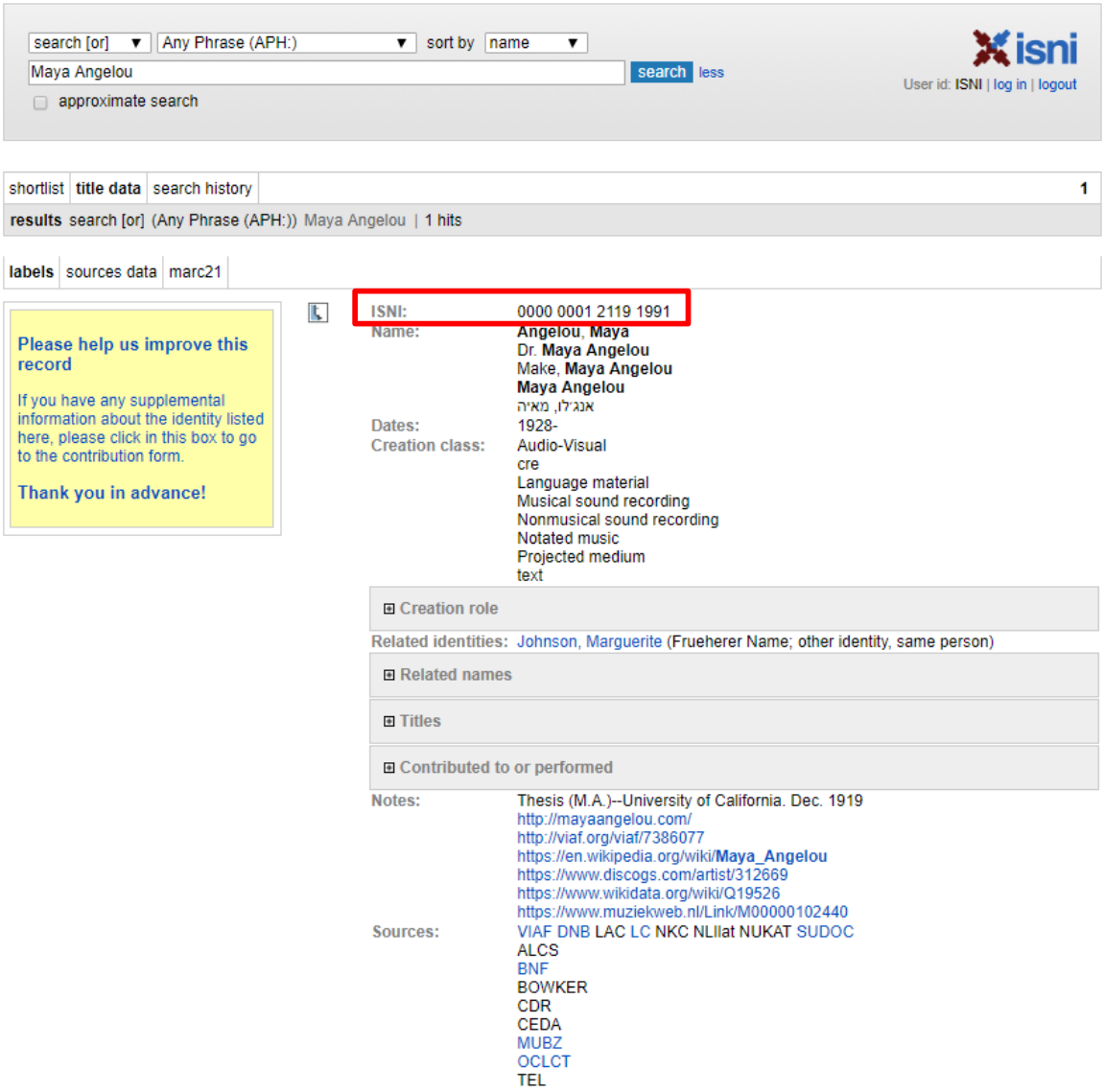
Wikidata page for German National Library:


WIKIDATA
Item
Discussion
Read
View history
Search Wikidata
Main page
Community portal
Project chat
Create a new item
Recent changes
Random item
Query Service
Nearby
Help
Donate
Tools
What links here
Related changes
Special pages
Permanent link
Page information
Concept URI
Cite this page
German National Library (Q27302)
central archival library and national bibliographic centre for the Federal Republic of Germany
edit
DNB | Die Deutsche Nationalbibliothek | Deutsche Nationalbibliothek
In more languages
Statements
instance of
national library
edit
0 references
add reference
add value
country
Germany
edit
0 references
add reference
add value
Commons category
Deutsche Nationalbibliothek
edit
0 references
add reference
add value
add statement
Identifiers
GND ID
10140798-1
edit
1 reference
add value

ISNI - International Standard Name Identifier

Last Reviewed: 2017-10-01
Homepage: http://www.isni.org/
Contact Information: http://www.isni.org/contact
Rights and Use Restrictions on the Data: http://www.isni.org/content/isni-international-agency-information-license
Modeling: [URL needed; ISNI model forthcoming]
MARC Subfield for Capturing URIs: $1

To Formulate URI: append the ISNI (remove spaces) to http://isni.org/isni/
Example: http://isni.org/isni/0000000121191991



URIs in the pattern above identify the ISNI Public Identity; work is underway to finalise the data model and enable content negotiation.

For more information on ISNI URIs, see: http://isni.org/how-isni-works

APIs:

- http://isni.org/how-isni-works
- http://www.isni.org/content/documents-related-database-enquiry

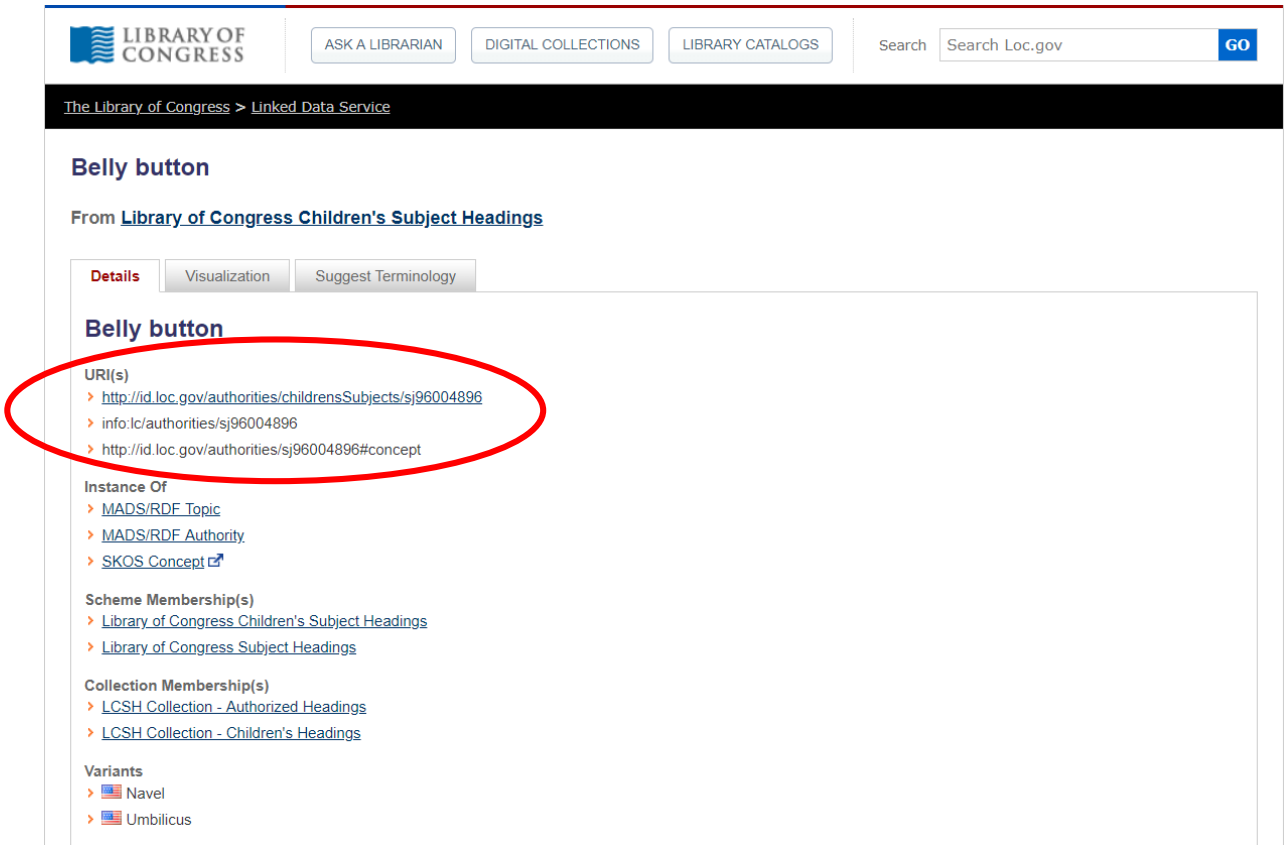
Query examples to get URIs for particular entity types: See http://www.isni.org/content/documents-related-database-enquiry for query examples.
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: Search for ISNIs at http://www.isni.org/search.

LC Children's Subject Headings

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/authorities/childrensSubjects.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html
Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"
Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs: $0

To Formulate URI: append the LCCN (remove any spaces) to http://id.loc.gov/authorities/childrensSubjects/

Example: http://id.loc.gov/authorities/childrensSubjects/sj96004896



APIs: http://id.loc.gov/techcenter/

Query examples to get URIs for particular entity types:
http://id.loc.gov/techcenter/searching.html
Frequency of Updates/Versioning of Data: Irregular,
http://id.loc.gov/download/
Who is using these entities: N/A
Tools: N/A
Other: N/A

LC/NACO Authorities

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/authorities/names.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html
Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"
Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs:
http://id.loc.gov/authorities/names/n50024879 style URIs in $0;
http://id.loc.gov/rwo/agents/n50024879 style URIs in $1

LC/NACO Authorities publishes its data in two ways, "Authorities" and "RWO".

To Formulate URI: append the LCCN (remove any spaces) to http://id.loc.gov/authorities/names/ or http://id.loc.gov/rwo/agents/

Examples:

- http://id.loc.gov/authorities/names/n50024879
- http://id.loc.gov/rwo/agents/n50024879

Angelou, Maya

- **URI(s)**
  - http://id.loc.gov/authorities/names/n50024879
- **Instance Of**
  - MADS/RDF PersonalName
  - MADS/RDF Authority
  - SKOS Concept
- **Scheme Membership(s)**
  - Library of Congress Name Authority File
- **Collection Membership(s)**
  - Names Collection - Authorized Headings
  - LC Names Collection - General Collection
- **Variants**
  - Johnson, Marguerite, 1928-2014
  - Make, Maya Angelou
  - אנג'לו, מאיה
- **Addtional Information**
  - **Birth Date**

    19280404

  - **Death Date**

    20140528

  - **Birth Place**

    (naf) Saint Louis (Mo.)

NOTE: LC Authorities (***authorities.loc.gov)*** is not intended for use as linked data. Prefer links from id.loc.gov

APIs: http://id.loc.gov/techcenter/

Query examples to get URIs for particular entity types:
http://id.loc.gov/techcenter/searching.html
Frequency of Updates/Versioning of Data: Irregular,
http://id.loc.gov/download/
Who is using these entities:
Tools: N/A
Other: N/A

LCDGT - Library of Congress Demographic Group Terms

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/authorities/demographicTerms.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html
Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"
Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs: $0

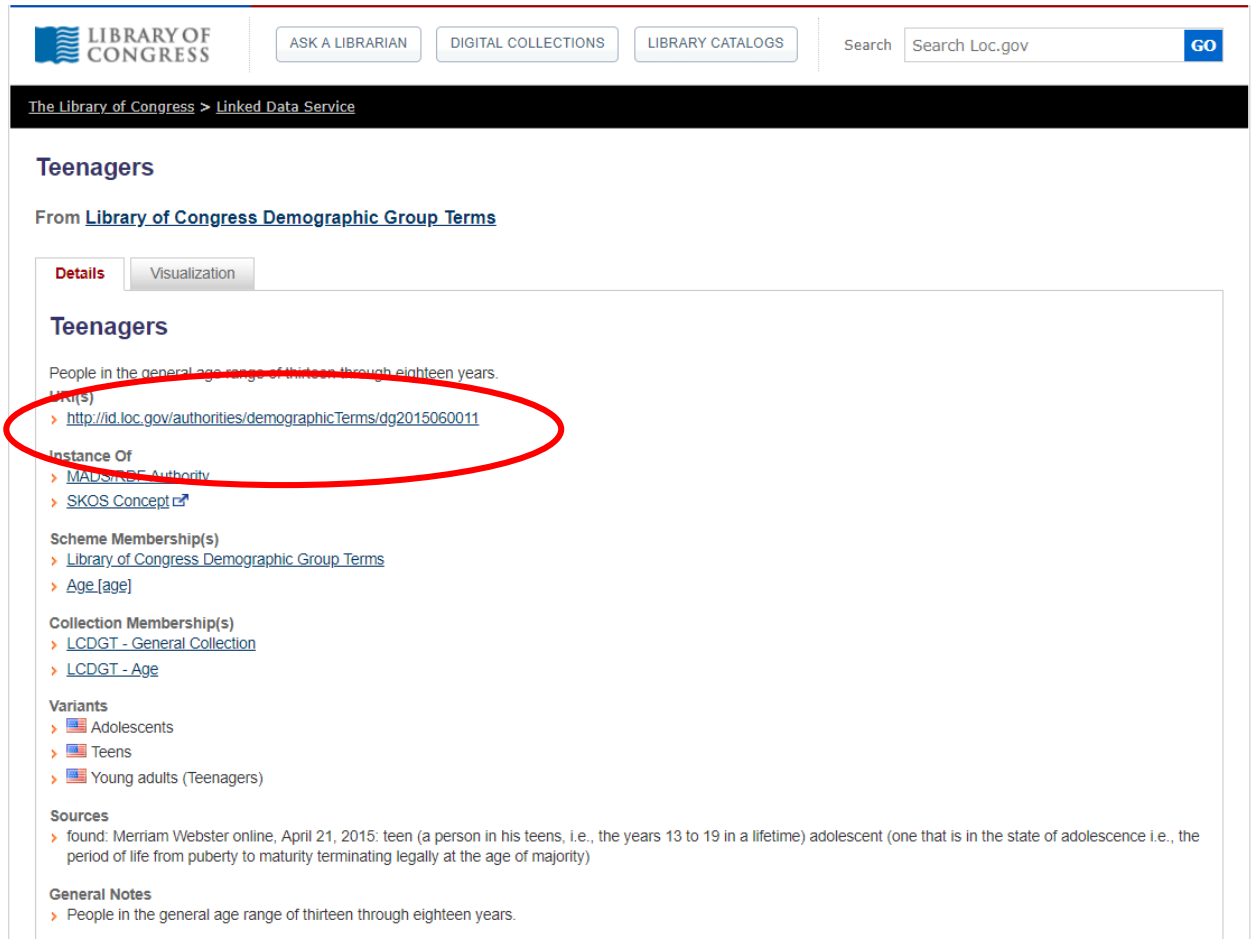
To Formulate URI: append the LCCN to http://id.loc.gov/authorities/demographicTerms/

Example: http://id.loc.gov/authorities/demographicTerms/dg2015060011

MARC 21 authority record viewed in Classification Web:

ID:	dg2015060011	Entered:	150421	Replaced:	20150623
008/06 Geo Subd:	|-No attempt	008/11 SH System:	z-Other	008/29 Ref Eval:	a-Eval
008/07 Roman:	|-No attempt	008/15 Subj Use:	a-Appropriate	008/31 Rec Upd:	a-Can be used
008/09 Kind Rec:	a-Estab hdg	008/17 Type Subd:	n-Not applic	008/33 Level Estab:	a-Fully

010 $a dg2015060011
040 $a DLC $b eng $c DLC $f lcdgt
072 7 $a age $2 lcdgt
150 $a Teenagers
450 $a Adolescents
450 $a Teens
450 $a Young adults (Teenagers)
670 $a Merriam Webster online, April 21, 2015: $b teen (a person in his teens, i.e., the years 13 to 19 in a lifetime) adolescent (one that is in the state of adolescence i.e., the period of life from puberty to maturity terminating legally at the age of majority)
680 $i People in the general age range of thirteen through eighteen years.



APIs: http://id.loc.gov/techcenter/
Query examples to get URIs for particular entity types: http://id.loc.gov/techcenter/searching.html
Frequency of Updates/Versioning of Data: Irregular, http://id.loc.gov/download/
Who is using these entities: N/A
Tools: N/A
Other: N/A

LCGFT - Library of Congress Genre/Form Terms

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/authorities/genreForms.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html
Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"

Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs: $0

To Formulate URI: append the LCCN (remove any spaces) to http://id.loc.gov/authorities/genreForms/
Example: http://id.loc.gov/authorities/genreForms/gf2014026355

Ghazals

- This heading is used as a genre/form heading for poems of at least five couplets that are linked by rhyme and/or repetition, in which the final couplet generally mentions the poet by name.
- **URI(s)**
  - http://id.loc.gov/authorities/genreForms/gf2014026355
- **Instance Of**
  - MADS/RDF GenreForm
  - MADS/RDF Authority
  - SKOS Concept
- **Scheme Membership(s)**
  - Library of Congress Genre/Form Terms
- **Collection Membership(s)**
  - http://id.loc.gov/authorities/genreForms/collection_LCGFT_General
- **Form**
  - Ghazals
- **Variants**
  - Ghazels
- **Broader Terms**
  - Poetry
- **Sources**
  - found: American heritage dictionary of the English language, 2011 (Ghazal: A poetic form of Persian origin, consisting of five or more syntactically complete couplets linked by rhyme and the repetition of a closing word or phrase)

APIs: http://id.loc.gov/techcenter/
Query examples to get URIs for particular entity types: http://id.loc.gov/techcenter/searching.html
Frequency of Updates/Versioning of Data: Irregular, http://id.loc.gov/download/
Who is using these entities: N/A
Tools: N/A
Other: LC Authorities (***authorities.loc.gov)*** is not intended for use as linked data. Prefer links from id.loc.gov

LCMPT - Library of Congress Medium of Performance Thesaurus

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/authorities/performanceMediums.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html
Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"
Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs: $0

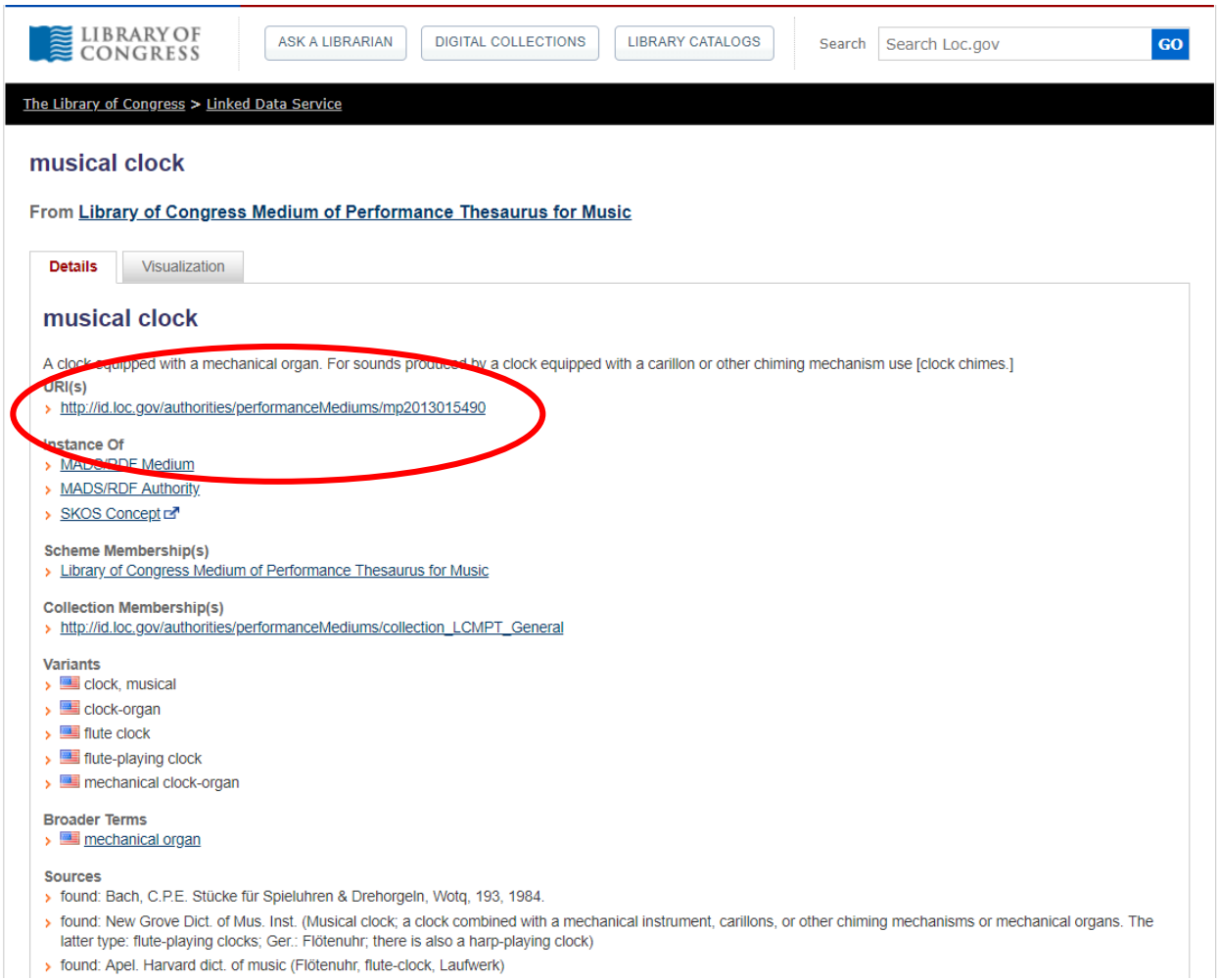
To Formulate URI: append the LCCN to http://id.loc.gov/authorities/performanceMediums Example: http://id.loc.gov/authorities/performanceMediums/mp2013015490

MARC 21 authority record viewed in Classification Web:

ID:	mp2013015490	Entered:	041013	Replaced:	20140224
008/06 Geo Subd:	|-No attempt	008/11 SH System:	n-Not applic	008/29 Ref Eval:	a-Eval
008/07 Roman:	|-No attempt	008/15 Subj Use:	a-Appropriate	008/31 Rec Upd:	a-Can be used
008/09 Kind Rec:	a-Estab hdg	008/17 Type Subd:	n-Not applic	008/33 Level Estab:	a-Fully

010 $a mp2013015490
040 $a DLC $b eng $c DLC $e lcmpt
162 $a musical clock
462 $a clock, musical
462 $a clock-organ
462 $a flute clock
462 $a flute-playing clock
462 $a mechanical clock-organ
562 $w g $a mechanical organ
670 $a Bach, C.P.E. Stücke für Spieluhren & Drehorgeln, Wotq, 193, 1984.
670 $a New Grove Dict. of Mus. Inst. $b (Musical clock; a clock combined with a mechanical instrument, carillons, or other chiming mechanisms or mechanical organs. The latter type: flute-playing clocks; Ger.: Flötenuhr; there is also a harp-playing clock)
670 $a Apel. Harvard dict. of music $b (Flötenuhr, flute-clock, Laufwerk)
670 $a Terminorum musicae index $b (Flötenuhr; Flötenwerk; Laufwerk; musical clock; Spieluhr)
670 $a LC database: Mozart, W.A. Fantasia in F minor for organ (mechanical clock-organ), K. 608.
670 $a LC database: Haydn, J. Fourteen pieces for the mechanical clock-organ of 1793.
670 $a Mechanical musical digest WWW site, Oct. 13, 2004: $b Archives/Clock organ ([installed] a huge Grandfather clock with a built-in organ w/ 22 stopped wooden flute pipes which play off a pinned cylinder)
670 $a New Grove Online May 9, 2013: $b musical clock (clock combined with one or more forms of Mechanical instrument which plays music at regular time-intervals. Unlike the chiming clock ..., with which it is frequently confused, the musical clock's performance is normally separate from the hourly chiming sequence, and can be selected automatically or manually (sometimes a choice is offered) from a repertory of tunes provided on a pinned wooden or metal barrel or cylinder as in the Barrel organ or Musical box.)"
680 $i A clock equipped with a mechanical organ. For sounds produced by a clock equipped with a carillon or other chiming mechanism use $a clock chimes.
681 $i Note under $a clock chimes

The same heading viewed in LCMPT linked data service:



APIs: http://id.loc.gov/techcenter/
Query examples to get URIs for particular entity types: http://id.loc.gov/techcenter/searching.html
Frequency of Updates/Versioning of Data: Irregular, http://id.loc.gov/download/
Who is using these entities: N/A
Tools: N/A
Other: LC Authorities (***authorities.loc.gov)*** is not intended for use as linked data. Prefer links from id.loc.gov

LCSH - Library of Congress Subject Headings

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/authorities/subjects.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html

Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"
Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs: $0

LC LINKED DATA SERVICE: id.loc.gov

To Formulate URI: append the LCCN (remove any spaces) to http://id.loc.gov/authorities/subjects/

Example: http://id.loc.gov/authorities/subjects/sh2015001713

No-fly zones

- **URI(s)**
  - http://id.loc.gov/authorities/subjects/sh2015001713
  - info:lc/authorities/sh2015001713
  - http://id.loc.gov/authorities/sh2015001713#concept
- **Instance Of**
  - MADS/RDF Topic
  - MADS/RDF Authority
  - SKOS Concept
- **Scheme Membership(s)**
  - Library of Congress Subject Headings
- **Collection Membership(s)**
  - LCSH Collection - Authorized Headings
  - LCSH Collection - General Collection
  - LCSH Collection - May Subdivide Geographically
- **Variants**
  - No-flight zones
  - Zones, No-flight
  - Zones, No-fly
- **Broader Terms**
  - Air warfare
- **Sources**
  - found: 2014501598: Brouwers, M. P. W. Saving souls from above: no-fly zone interventions, 2014 p. 21 ("A no-fly zone is a method of air warfare") Chapter 2 "What is a no fly zone" (p. 5-23)
  - found: Congressional Research Service, R41701, May, 2013 (No-fly zones : strategic, operational, and legal considerations for Congress)

APIs: http://id.loc.gov/techcenter/
Query examples to get URIs for particular entity types:
http://id.loc.gov/techcenter/searching.html

Frequency of Updates/Versioning of Data: Irregular, http://id.loc.gov/download/
Who is using these entities: N/A
Tools: N/A
Other: LC Authorities (***authorities.loc.gov)*** is not intended for use as linked data. Prefer links from id.loc.gov

MARC Relator Terms and Codes

Last Reviewed: 2018-01-04
Homepage: http://id.loc.gov/vocabulary/relators.html
Contact Information: http://www.loc.gov/rr/askalib/ask-webcomments.html
Rights and Use Restrictions on the Data: http://id.loc.gov/about/ under "Terms of Service"
Modeling: MADS/RDF and SKOS/RDF
MARC Subfield for Capturing URIs: $4

To Formulate URI: append the relator code to http://id.loc.gov/vocabulary/relators

Example: http://id.loc.gov/vocabulary/relators/act

LIBRARY OF CONGRESS | ASK A LIBRARIAN | DIGITAL COLLECTIONS | LIBRARY CATALOGS | Search | Search Loc.gov | GO

The Library of Congress > Linked Data Service

MARC Code List for Relators

Search

Enter Keyword or Phrase

LC Demographic Group Terms
Thesaurus for Graphic Materials
AFS Ethnographic Thesaurus
Cultural Heritage Organizations
MARC Relators

**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.

Search | Reset

Details | Visualization

MARC Code List for Relators

Relator terms and their associated codes designate the relationship between a name and a bibliographic resource. The relator codes are three-character lowercase alphabetic strings that serve as identifiers. Either the term or the code may be used as controlled values.

URI(s)

- http://id.loc.gov/vocabulary/relators

Instance Of

- MADS/RDF MADSScheme
- SKOS ConceptScheme

Top Scheme Members

- http://id.loc.gov/vocabulary/relators/abr
- http://id.loc.gov/vocabulary/relators/act
- http://id.loc.gov/vocabulary/relators/adp
- http://id.loc.gov/vocabulary/relators/rcp
- http://id.loc.gov/vocabulary/relators/anl
- http://id.loc.gov/vocabulary/relators/anm
- http://id.loc.gov/vocabulary/relators/ann
- http://id.loc.gov/vocabulary/relators/apl
- http://id.loc.gov/vocabulary/relators/ape
- http://id.loc.gov/vocabulary/relators/app
- http://id.loc.gov/vocabulary/relators/arc
- http://id.loc.gov/vocabulary/relators/arr
- http://id.loc.gov/vocabulary/relators/acp

Actor

From MARC List of Relator Terms

Details | Visualization

Actor

A performer contributing to an expression of a work by acting as a cast member or player in a musical or dramatic presentation, etc.

URI(s)
- http://id.loc.gov/vocabulary/relators/act
- info:lc/vocabulary/relators/act

Instance Of
- MADS/RDF Authority
- SKOS Concept
- MADS/RDF Topic
- OWL ObjectProperty

Scheme Membership(s)
- MARC List of Relator Terms

Collection Membership(s)
- http://id.loc.gov/vocabulary/relators/collection_RDA
- http://id.loc.gov/vocabulary/relators/collection_RDAWork
- http://id.loc.gov/vocabulary/relators/collection_BIBFRAMEWork
- http://id.loc.gov/vocabulary/relators/collection_RDAContributor

Codes
- act

SubProperty Of
- http://id.loc.gov/vocabulary/relators/role
- http://id.loc.gov/vocabulary/relators/prf
- http://purl.org/dc/elements/1.1/contributor
- http://id.loc.gov/vocabulary/relators/role
- http://id.loc.gov/vocabulary/relators/prf
- http://purl.org/dc/elements/1.1/contributor

APIs: http://id.loc.gov/techcenter/
Query examples to get URIs for particular entity types: http://id.loc.gov/techcenter/searching.html
Frequency of Updates/Versioning of Data: Irregular, http://id.loc.gov/download/
Who is using these entities: N/A
Tools: N/A
Other: LC Authorities (***authorities.loc.gov)*** is not intended for use as linked data. Prefer links from id.loc.gov

MeSH RDF- Medical Subject Headings RDF

Last Reviewed: 2019-03-04
Homepage:

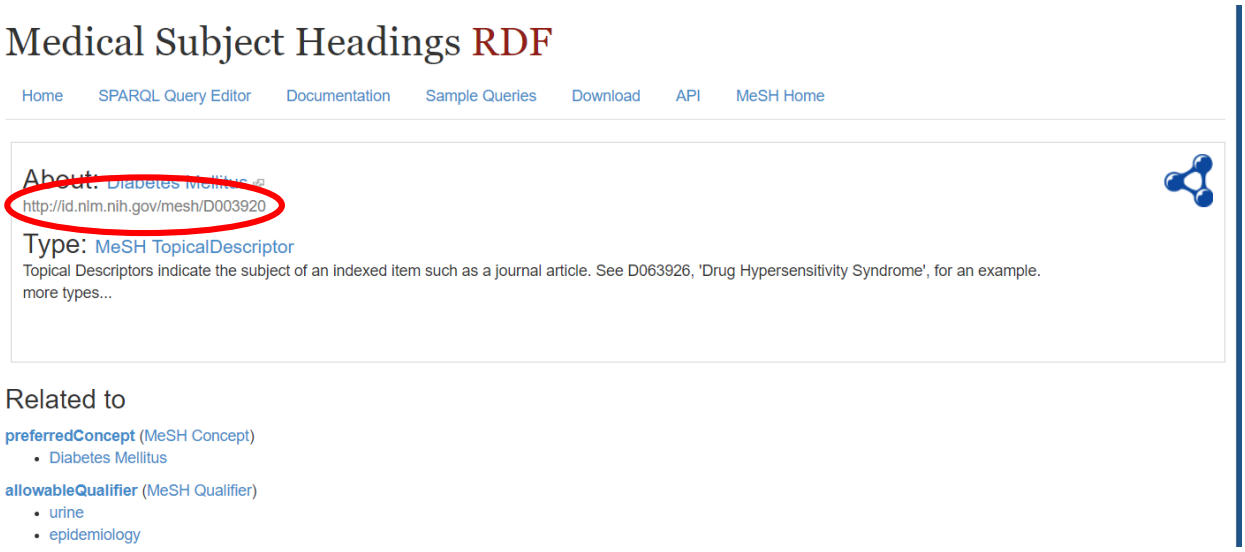
- **MeSH RDF** https://id.nlm.nih.gov/mesh/
- **MeSH** https://www.nlm.nih.gov/mesh/meshhome.html

Contact Information: https://support.nlm.nih.gov/
Rights and Restrictions on the Data: N/A
Modeling: https://id.nlm.nih.gov/mesh/vocabulary.ttl
MARC Subfield for Capturing URIs: $0

1. Descriptor (subfield $a) with no qualifier (no subfield $x), e.g., Diabetes Mellitus

MeSH Browser (https://meshb.nlm.nih.gov/search) record for Diabetes Mellitus:

MeSH RDF human readable 'record' with URI:



2. Descriptor (subfield $a) with Qualifier (subfield $x), e.g., $a Diabetes Mellitus $x virology

NOTE: MeSH controls the Qualifiers that are allowed for use with each Descriptor; if a Qualifier is not specifically allowed for use with a Descriptor, a valid MeSH RDF Descriptor/Qualifier pair URI cannot be formulated.

MeSH Browser record for Diabetes Mellitus showing Allowed Qualifier VI/virology, which links to the MeSH record for virology

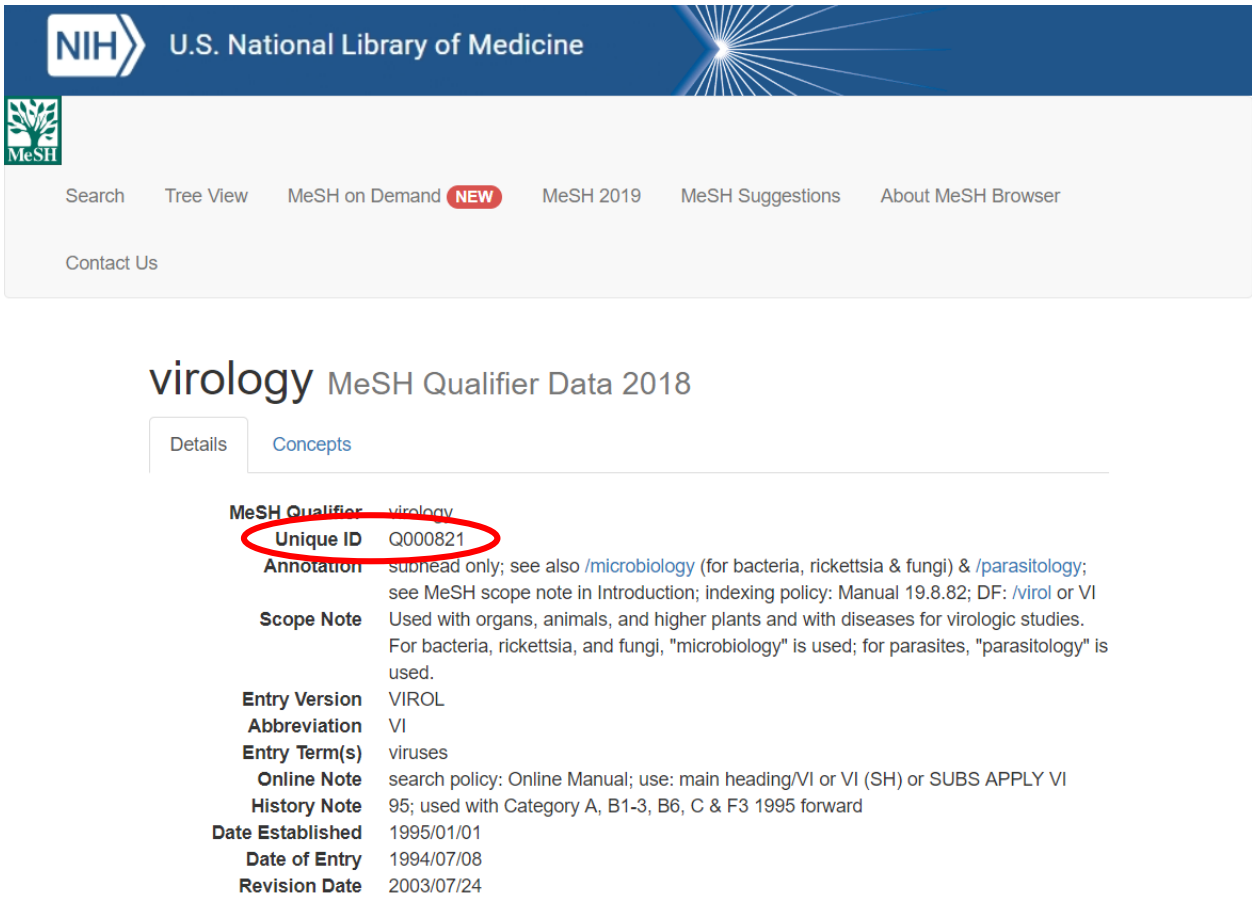
Diabetes Mellitus MeSH Descriptor Data 2018

Details | Qualifiers | MeSH Tree Structures | Concepts

Entry Combination complications:Diabetes Complications

Allowable Qualifiers

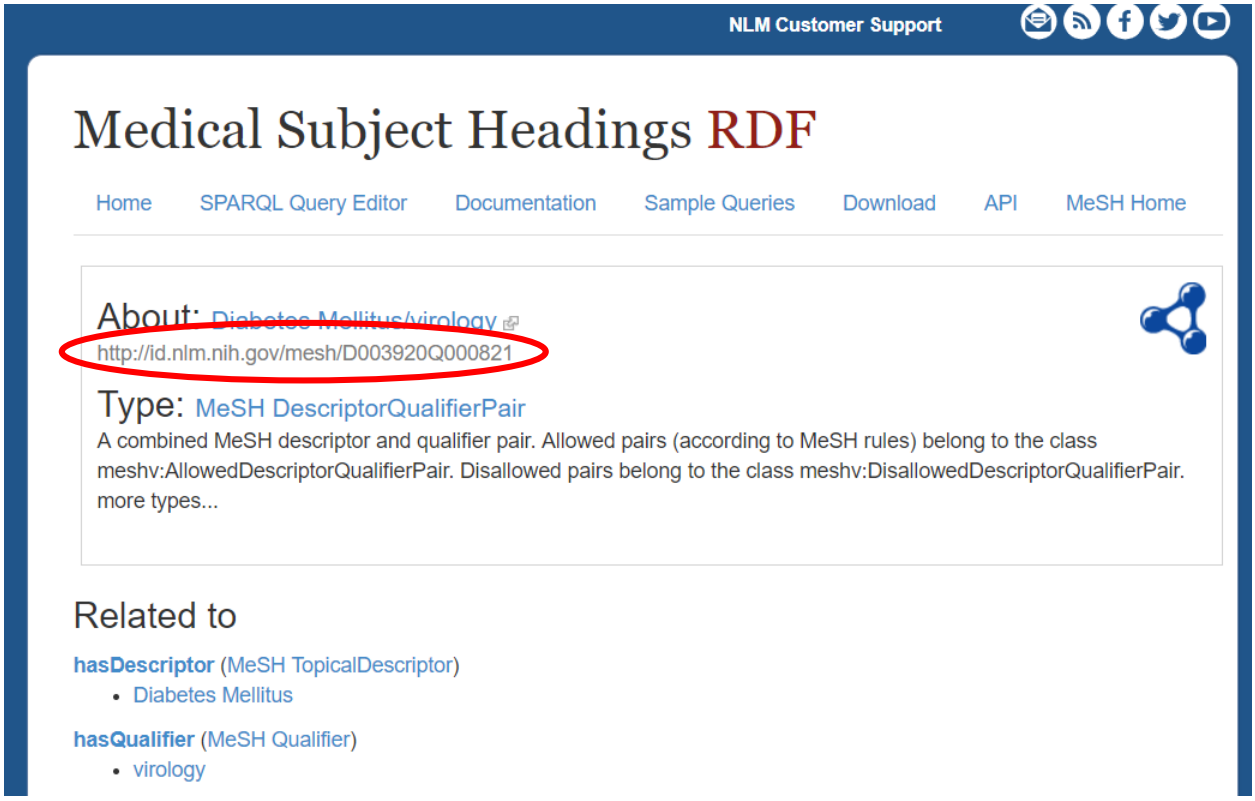
blood (BL)
cerebrospinal fluid (CF)
chemically induced (CI)
classification (CL)
congenital (CN)
diagnosis (DI)
diagnostic imaging (DG)
diet therapy (DH)
drug therapy (DT)
economics (EC)
embryology (EM)
enzymology (EN)
epidemiology (EP)
ethnology (EH)
etiology (ET)
genetics (GE)
history (HI)
immunology (IM)
metabolism (ME)
microbiology (MI)
mortality (MO)
nursing (NU)
parasitology (PS)
pathology (PA)
physiopathology (PP)
prevention & control (PC)
psychology (PX)
radiotherapy (RT)
rehabilitation (RH)
surgery (SU)
therapy (TH)
urine (UR)
veterinary (VE)
virology (VI)



To Formulate MeSH URI for the compound heading: merge the Unique IDs (from the MeSH browser) for the Descriptor and for the Qualifier (in that order) and append them to http://id.nlm.nih.gov/mesh/
Example: http://id.nlm.nih.gov/mesh/D003920Q000821

Note: All compound pairs in MeSH/MeSH RDF are controlled; Qualifiers must be allowed for use with a Descriptor in order to create a valid compound subject (and hence a valid MeSH RDF URI) in MeSH.

MeSH RDF human readable ‘record’ with URI:



APIs: SPARQL endpoint http://id.nlm.nih.gov/mesh/sparql with description at https://hhs.github.io/meshrdf/sparql-and-uri-requests; RDF downloads available at ftp://ftp.nlm.nih.gov/online/mesh/
Frequency of Updates/Versioning of Data: Annual, see https://www.nlm.nih.gov/mesh/introduction.html
Who is using these entities: Medical cataloging and indexing services
Tools:

- SPARQL query editor at https://id.nlm.nih.gov/mesh/query
- MeSH Browser https://meshb.nlm.nih.gov/search

Other:

MusicBrainz - The Open Music Encyclopedia

Last Reviewed: 2018-01-16
Homepage: https://musicbrainz.org; https://wiki.musicbrainz.org/LinkedBrainz provides information about the related linked data efforts

Contact Information: https://metabrainz.org/contact
Rights and Restrictions on the Data:
https://musicbrainz.org/doc/About/Data_License
Modeling: MusicBrainz has gone through multiple iterations of conversion to linked data.
https://wiki.musicbrainz.org/LinkedBrainz/NGS_to_RDF_mappings gives a good sense of the modeling in the current Next Generation Schema (NGS). For pre-NGS data, the URI syntax for different entity types and modeling can be found in the examples (links at the top of the page) provided at http://dbtune.org/musicbrainz/
MARC Subfield for Capturing URIs: $1

To Formulate URI for NGS implementation: append the MusicBrainz Identifier (a 36-character identifier) to the address of the MusicBrainz server and the entity type and add "#_"

Example:
http://musicbrainz.org/artist/0383dadf-2a4e-4d10-a46a-e9e041da8eb3#_
http://musicbrainz.org/area/10adc6b5-63bf-4b4e-993e-ed83b05c22fc#_

To Obtain URI for NGS implementation: search for the entity, display the record, and copy the URI from the browser address window, or click the "Details" tab and copy the permanent link, then add "#_" to the end of the URI.

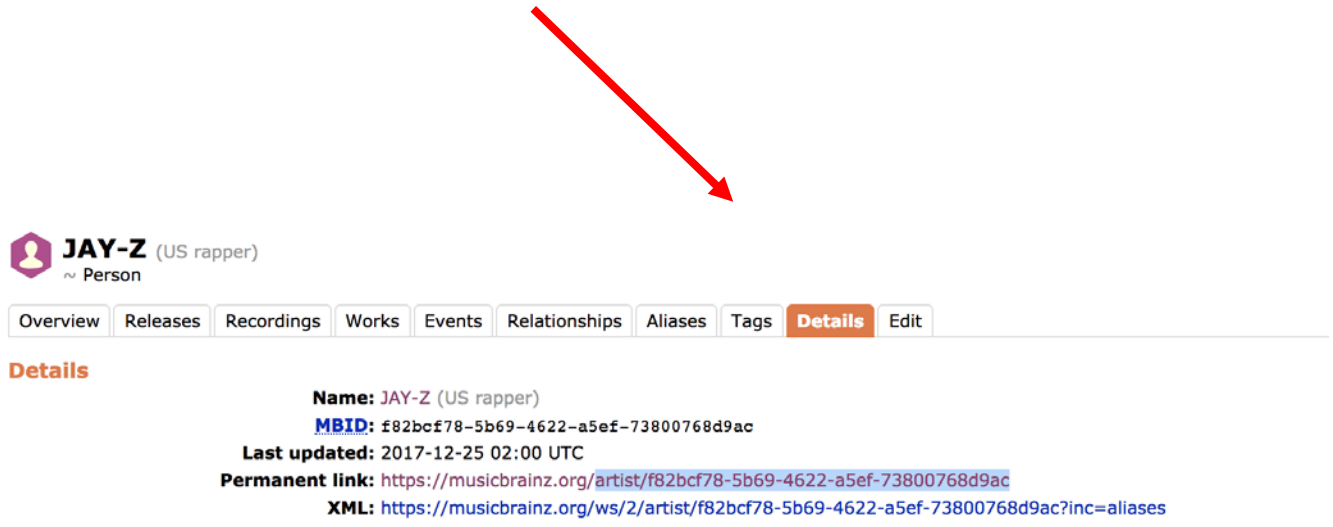
To Formulate URI for the pre-NGS implementation: append the MusicBrainz Identifier (a 36-character identifier) plus the entity type to http://dbtune.org/musicbrainz/resource/

Examples:

http://dbtune.org/musicbrainz/resource/track/c516f11e-1878-4fa3-ba71-cb43782eb7b2

http://dbtune.org/musicbrainz/data/artist/f82bcf78-5b69-4622-a5ef-73800768d9ac

To Obtain URI for the pre-NGS implementation: search for the entity, display the record, and copy the Permanent link URI suffix from the "Details" tab and combine it with http://dbtune.org/musicbrainz/resource/.



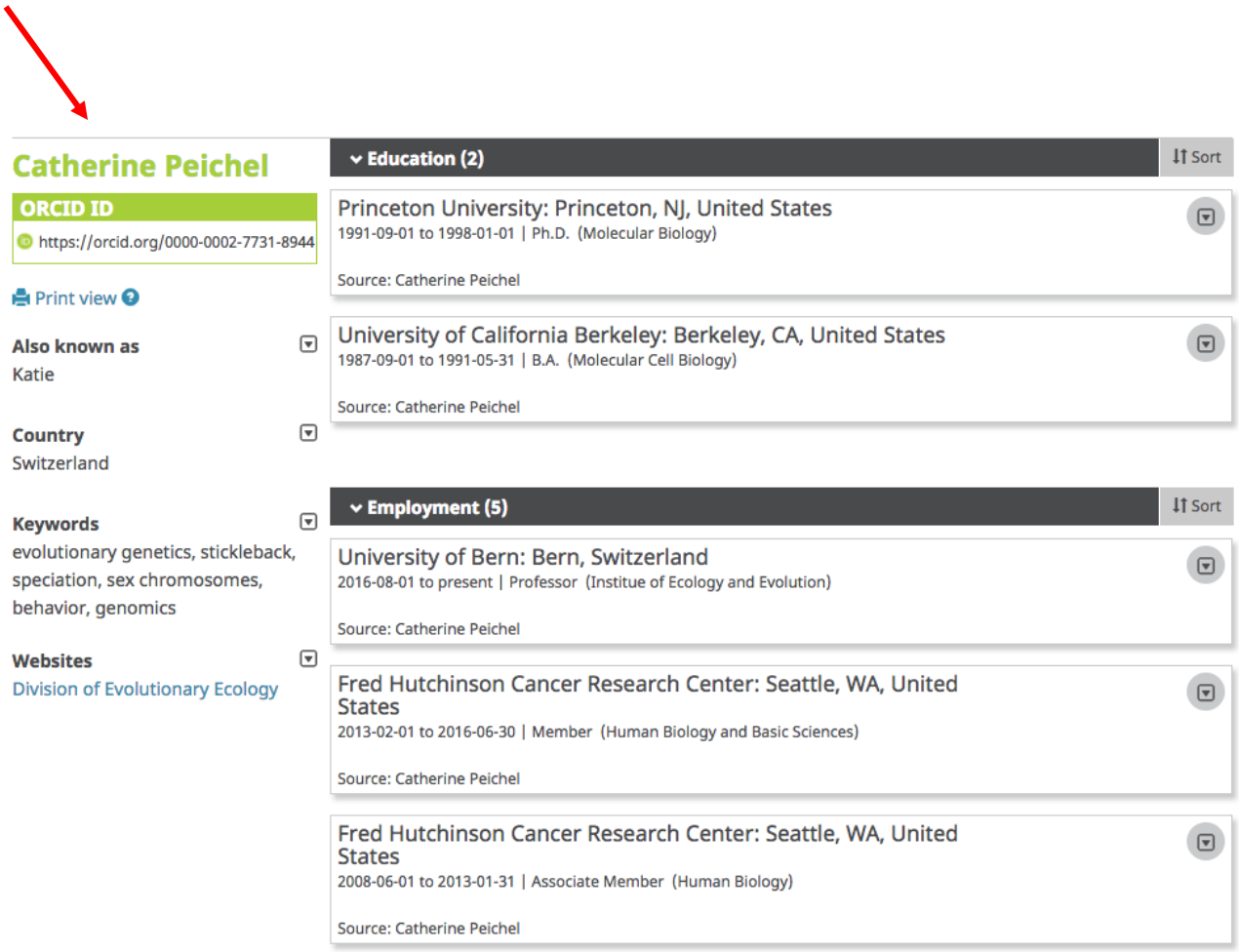
APIs: https://musicbrainz.org/doc/Developer_Resources has information on web services and current RDF dumps (news coming soon on a SPARQL endpoint); pre-NGS data available at SPARQL endpoint http://dbtune.org/musicbrainz/snorql/
Query examples to get URIs for particular entity types:
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A

Other: MusicBrainz has moved to https. URIs using both http or https will return json-ld; their documentation still directs to use http to formulate linked data URIs.

ORCID

Last Reviewed: 2018-01-15
Homepage: https://orcid.org/
Contact Information: https://orcid.org/help/contact-us
Rights and Use Restrictions on the Data: https://orcid.org/content/orcid-terms-use
Modeling: foaf:Person
MARC Subfield for Capturing URIs: $1

To Formulate URI: append the ORCID ID to https://orcid.org/ Example: https://orcid.org/0000-0002-7731-8944 or Find the full URI in the record for an individual entity



APIs: Information at https://orcid.org/organizations/integrators/API ; APIs at 3 levels of membership: Public, Basic Member, Premium member; registration is required for public level
Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data: N/A
Who is using these entities:
https://orcid.org/organizations/integrators/integration-chart
Other: N/A

RBMS Controlled Vocabularies

Last Reviewed: 2018-01-02
Homepage: http://rbms.info/vocabularies/
Contact Information: vocabularies@rbms.info
Rights and Use Restrictions on the Data: http://www.ala.org/copyright
Modeling: *Currently unpublished as linked data* (https://github.com/rbmsvocabs/2016-June-datadump) is modeled as skos:Concepts
MARC Subfield for Capturing URIs: $0

To Formulate URI: No automatic way of formulating URI is available for now. Index page (http://rbms.info/vocabularies/index.shtml) supports the search and browse RBMS Controlled Vocabularies. Once the needed vocabulary term is identified (e.g. “Calf bindings”, search the term in one of the RDF serializations (https://github.com/rbmsvocabs/2016-June-datadump), to get the URI.
Example: http://rbmsvocabs/EXAMPLE/rbbin114

RBMS Controlled Vocabularies

Controlled Vocabularies for Use in Rare Book and Special Collections Cataloging

Welcome to the Controlled Vocabularies for Use in Rare Book and Special Collections Cataloging, developed and maintained by the Bibliographic Standards Committee of the Rare Books and Manuscripts Section (ACRL/ALA). These thesauri provide standardized vocabulary for retrieving special collections materials by form, genre, or by various physical characteristics that are typically of interest to researchers and special collections librarians, and for relating materials to individuals or corporate bodies.

For information about the scope, application, and historical development of a thesaurus, please consult the digitized introductions to each text. All terms from the original print versions, as well as additions and changes since publication, are integrated into the databases below. We appreciate your patience as we improve the design and functionality of these databases, and welcome your comments.

Search for a term within the vocabularies:

Google™ Custom Search

Browse the vocabularies:

- Binding Terms
- Genre Terms
- Paper Terms
- Printing & Publishing Evidence
- Provenance Evidence
- Type Evidence

See also: Relationship Designators

Proposal Form: Propose new terms or modifications to existing terms

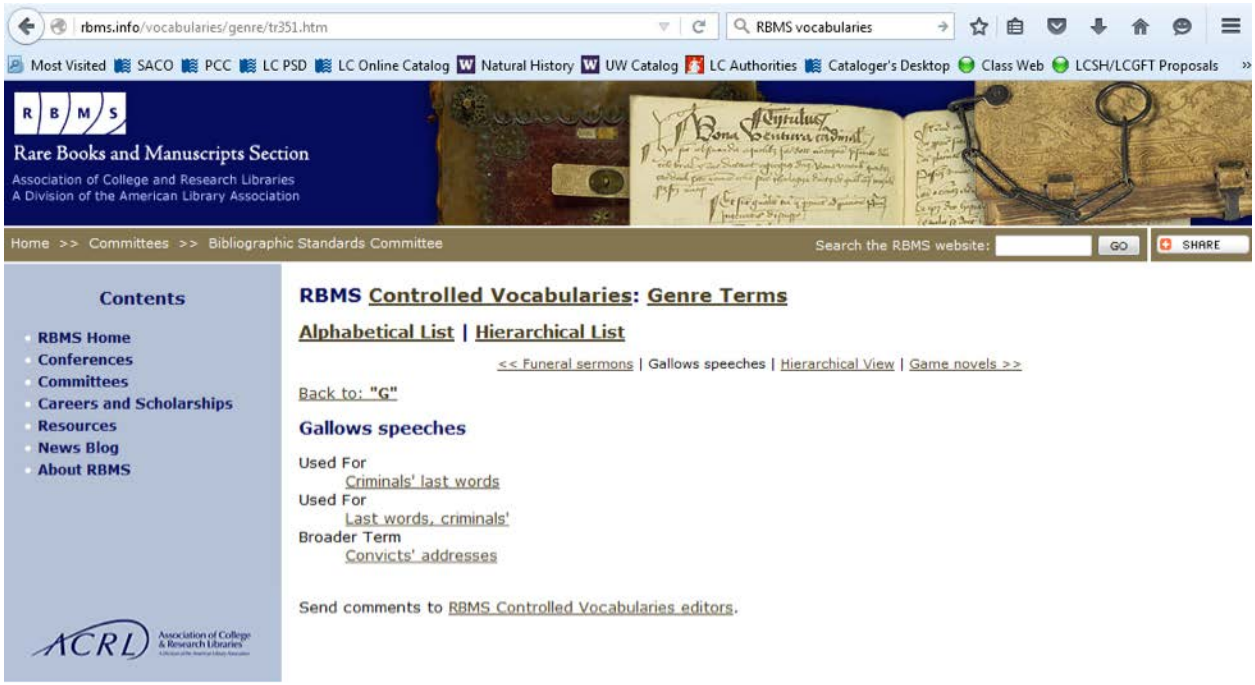
Controlled Vocabularies Community Discussion Blog for terms under review

Wiki for terms currently under review

For comments or questions, contact the RBMS Controlled Vocabularies editors.

APIs: N/A
Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data: N/A (Last package of data dump is created in 2016-06-16.)
Who is using these entities: N/A
Tools: N/A
Other: Vocabularies can be browsable by -

- Binding Terms
- Genre Terms
- Paper Terms
- Printing & Publishing Evidence
- Provenance Evidence
- Relationship Designators
- Type Evidence



RDA Vocabularies

Last Reviewed: 2018-01-16
Homepage: http://www.rdaregistry.info/
Contact Information: contact information available at http://www.rdaregistry.info/
Rights and Use Restrictions on the Data: licensed under a Creative Commons Attribution 4.0 International License.
Modeling: RDA Value Vocabularies are modeled as skos:Concepts. RDA Elements are properties.
MARC Subfield for Capturing URIs: Values, $0. Elements, $4.

Relationship designators are found in the RDA Registry in several places:

Work properties namespace: http://rdaregistry.info/Elements/w/
Expression properties namespace: http://rdaregistry.info/Elements/e/
Manifestation properties namespace: http://rdaregistry.info/Elements/m/
Item properties namespace: http://rdaregistry.info/Elements/i/
Agent properties namespace: http://rdaregistry.info/Elements/a/
Unconstrained properties namespace: http://rdaregistry.info/Elements/u/

RDA Registry | Elements | Values | Data | Tools | Releases | About | FAQ | Guide | Blog | Project | RDA Toolkit

RDA element sets

RDA Reference element sets

- Classes
- Agent properties
- Expression properties
- Item properties
- Manifestation properties
- Nomen properties
- Place properties
- Time-span properties
- Work properties
- RDA Entity properties
- Meta-element properties

Unconstrained element sets

- Unconstrained properties

- Download **ZIP File**
- Download **TAR Ball**

RDA Reference element sets are used in RDA applications, including RDA Toolkit.

The labels, definitions, and scope notes are covered by the Translation Policy for RDA and RDA Toolkit.

- an element set of classes representing the RDA entities:
  - *Agent*, *Collective Agent*, *Expression*, *Item*, *Manifestation*, *Person*, and *Work*, taken from the forthcoming IFLA Library Reference Model (LRM).
  - *Corporate Body* and *Family*, taken from the previous Functional Requirements for Authority Data (FRAD).
- an element set for each of the RDA Work properties, Expression properties, Manifestation properties, Item properties, Place properties, Time-span properties, and Nomen properties, representing the entity attributes and relationships.
- an element set for the RDA Agent properties including the RDA entities *Collective Agent*, *Person*, *Family*, and *Corporate Body*, representing the entity attributes and relationships.
- an element set for the RDA Entity properties as a super-entity, representing the entity attributes and relationships.
- an element set of meta-element properties representing RDA meta-elements that describe the values of other RDA elements.

Unconstrained element sets are available for use by non-FRBR applications.

- an element set of unconstrained properties without references to the RDA entities, representing elements for generalized attributes and relationships.

RDA Reference value vocabularies are used in RDA applications, including RDA Toolkit.

The labels, definitions, and scope notes are covered by the Translation Policy for RDA and RDA Toolkit.

Translations may be partial or out-of-date.

Current and pending translations include:

- Arabic
- Catalan
- Chinese
- Danish
- Dutch
- Finnish
- French
- German
- Greek
- Hebrew
- Italian
- Norwegian
- Portuguese
- Slovak
- Spanish
- Swedish
- Ukrainian
- Vietnamese

RDA Vocabularies and **RDA Registry** are licensed under a Creative Commons Attribution 4.0 International License. Based on a work at http://rdaregistry.info.

Resource Description & Access

Example: search for relationship designator “Motion picture adaptation of (work)” in the work element set

RDA element sets

Work properties

The Work properties element set consists of properties representing attributes and relationships of the RDA *Work* entity.

Each property in the element set:

- has a domain of the class representing the Work entity.
- is linked from its child **datatype** property in RDA Work datatype properties by *rdfs:subPropertyOf*.
- is linked from its child **object** property in RDA Work object properties by *rdfs:subPropertyOf*.

Number of elements:	322
Namespace:	http://rdaregistry.info/Elements/w/
Suggested prefix:	rdaw
Example curie (canonical)*:	rdaw:P10001
Example curie (lexical)*:	rdaw:respondent
Changelog feed:	Atom | RDF

*All RDA URIs have both an immutable canonical form and a "readable", lexical form, which is subject to change (changes will be redirected).

Downloads

- HTML (Open Metadata Registry)
- Turtle (text/turtle)
- Notation 3 (text/rdf+n3)
- N-Triples (text/rdf+nt)
- RDF/XML (application/rdf+xml)
- RDFa
- Microdata (text/microdata+html)
- JSON-LD (application/json | application/json+ld) (see the Readme)
- RDF/JSON (application/rdf+json)

Languages

Catalan Danish English Finnish French German Norwegian Spanish Swedish Vietnamese

Properties Index

Show 25 entries

Search: Motion picture adaptation

#	CURIE	Label	Definition	SubpropertyOf	Unconstrained
#	rdaw:P10129	"is motion picture adaptation of (work)"	"Relates a work to a work that has been adapted as a motion picture."	rdaw:P10142 "is adaptation of (work)"	rdau:P60227 "is motion picture adaptation of"
#	rdaw:P10133	"is screenplay based on (work)"	"Relates a work to a work that has been adapted as a screenplay for a motion picture, television program, or video."	rdaw:P10142 "is adaptation of (work)"	rdau:P60231 "is screenplay based on"

Showing 1 to 2 of 2 entries (filtered from 327 total entries)

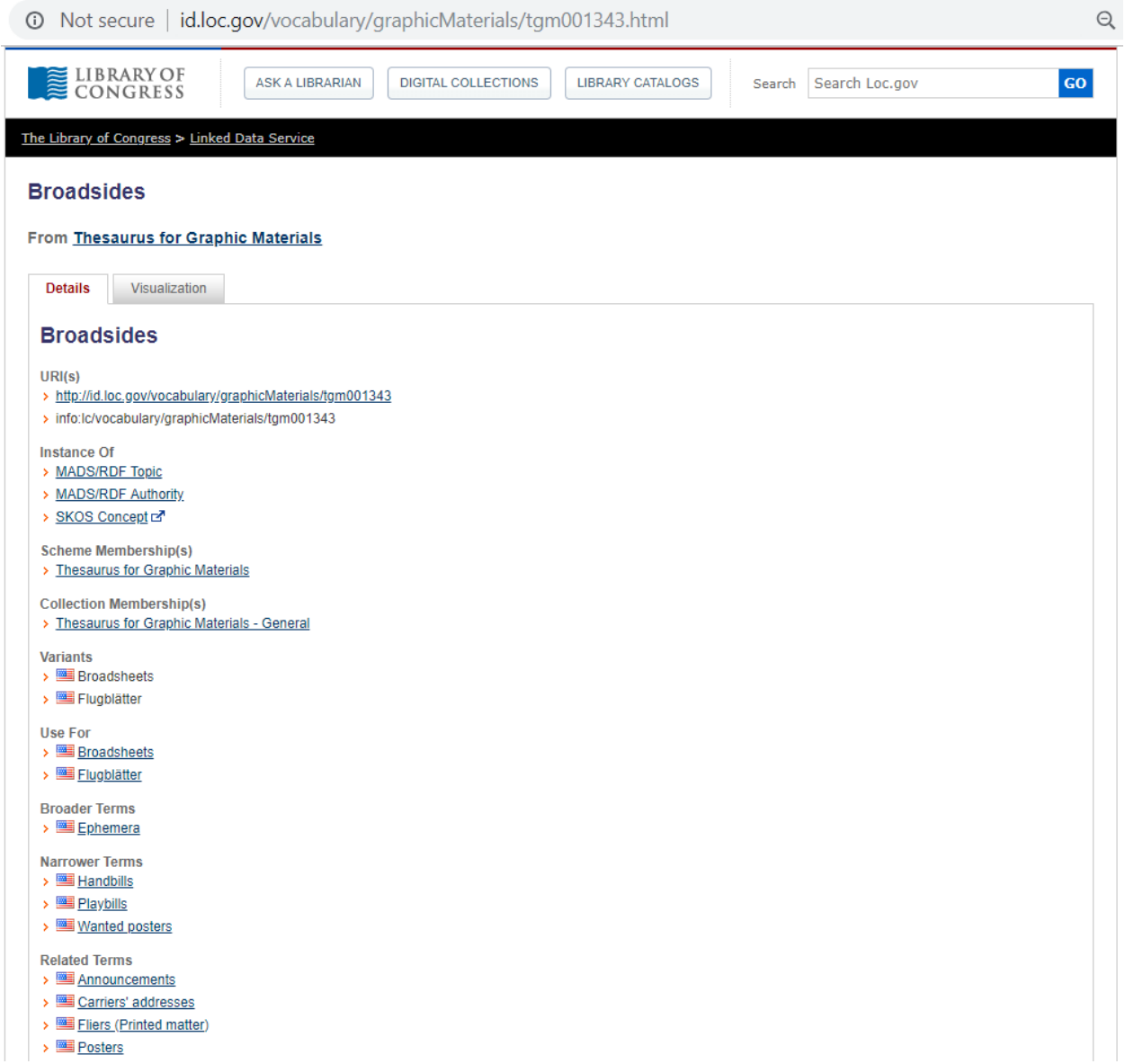
Previous 1 Next

Canonical URI can be obtained by right clicking and copying the link location

To Formulate http URI: convert the constrained canonical URI for the property (e.g., rdaw:P10129) by appending the number found after the colon to the namespace for the property. For a work property, the namespace is http://rdaregistry.info/Elements/w/
Example: http://rdaregistry.info/Elements/w/P10129
Alternatively, right click on the constrained canonical URI and choose copy link location to obtain the correct URI.
Note: If you take the URI found in the browser address box, it will include a # symbol and slightly different domain, e.g. http://www.rdaregistry.info/Elements/w/#P10129. That is *not* the correct canonical URI. If you copy that address, you must remove both the www. and the # symbol.

TGM - Thesaurus for Graphic Materials

Last Reviewed: 2018-01-02
Homepage: http://id.loc.gov/vocabulary/graphicMaterials
Contact Information: tgmed@loc.gov
Rights and Use Restrictions on the Data: https://www.loc.gov/legal/
Modeling: skos:Concept
MARC Subfield for Capturing URIs: $0



To Formulate URI: append the identifier to the URL of the homepage, http://id.loc.gov/vocabulary/graphicMaterials/

Example: http://id.loc.gov/vocabulary/graphicMaterials/tgm001343

APIs: N/A (Search and retrieval can be possible by using HTTP content negotiation through cURL or wget.)
Query examples to get URIs for particular entity types: N/A
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: Vocabularies can be bulk downloadable in Turtle, RDF/XML, and N-Triples formats from https://id.loc.gov/download/.

TGN - Getty Thesaurus of Geographic Names

Last Reviewed: 2018-01-02
Homepage: http://www.getty.edu/research/tools/vocabularies/tgn/
Contact Information:

- vocab@getty.edu
- TGN@getty.edu

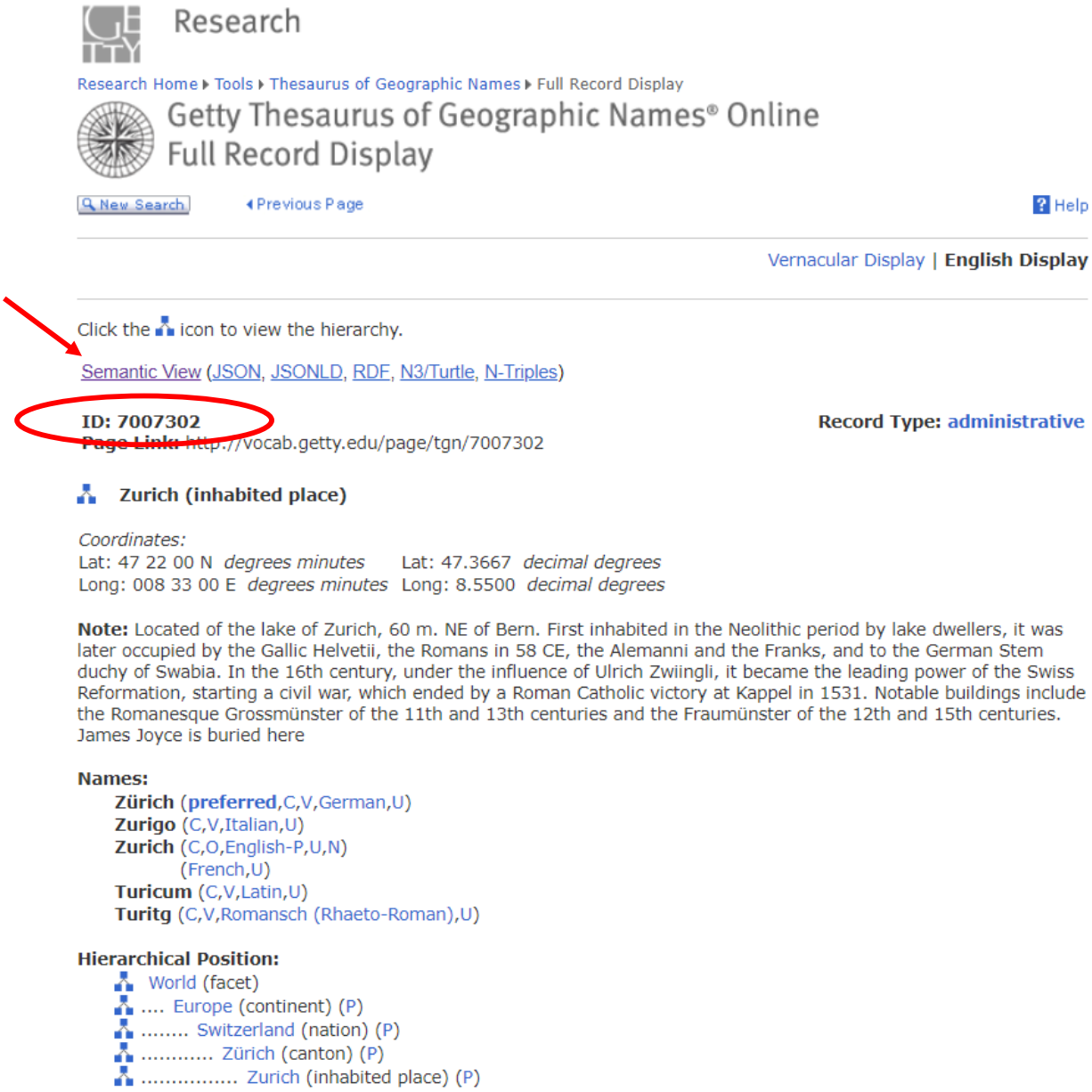
Rights and Use Restrictions on the Data:
http://www.getty.edu/about/whatwedo/opencontent.html
Modeling: http://vocab.getty.edu/doc/
MARC Subfield for Capturing URIs:
http://vocab.getty.edu/tgn/2069433 style URIs in $0;
http://vocab.getty.edu/tgn/2069433-place style URIs in $1

To Formulate URI: append the ID to http://vocab.getty.edu/tgn/
Examples:

- http://vocab.getty.edu/tgn/7007302
- http://vocab.getty.edu/tgn/7007302-place

APIs: http://vocabsservices.getty.edu/TGNService.asmx (SPARQL endpoint is also available (http://vocab.getty.edu/sparql).
Query examples to get URIs for particular entity types:
http://vocab.getty.edu/queries#Full_Text_Search_Query

Frequency of Updates/Versioning of Data: N/A
Who is using these entities: Data is refreshed every two weeks.
Tools: N/A
Other: The TGN is available fee-free in JSON, RDF, N3/Turtle, and N-Triples under the Open Data Commons Attribution License (ODC-By) 1.0. Please see http://www.getty.edu/research/tools/vocabularies/obtain/download.html.



SEMANTIC VIEW:

Getty Vocabularies: LOD SPARQL Queries Any Search... Search Brief

Zurich

Source:http://vocab.getty.edu/tgn/7007302

Subject (51) | Predicate | Object | All

Website | Hierarchy | Download in: JSON | JSONLD | RDF | N3/Turtle | N-Triples

Inference Explicit only

Statements in which the resource exists as a subject.

Predicate	Object
rdf:type	gvp:AdminPlaceConcept
rdfs:seeAlso	http://www.getty.edu/vow/TGNFullDisplay?find=&place=&nation=&subjectid=7007302
dcterms:created	1991-09-13T04:46:00
dcterms:modified	2004-08-12T12:46:52, 2015-05-21T15:02:50, 2017-01-13T08:44:09
skos:changeNote	tgn_rev:5000771155, tgn_rev:5004612137, tgn_rev:5020867739, tgn_rev:5028585705, tgn_rev:5028585706, tgn_rev:5028585717
gvp:parentString	Zürich, Schweiz, Europe, World
gvp:parentStringAbbrev	Zürich, Schweiz, ... World
gvp:displayOrder	241
xl:prefLabel	tgn_term:172025-en
xl:altLabel	tgn_term:1005678422-la, tgn_term:1005678423-rm-CH, tgn_term:141151-it, tgn_term:172025-fr, tgn_term:65122-de
gvp:broaderPartitive	tgn:7003765
gvp:broaderPreferred	tgn:7003765
gvp:prefLabelGVP	tgn_term:65122-de
skos:inScheme	tgn
skos:scopeNote	tgn_scopeNote:41483
dcterms:contributor	tgn_contrib:10000000, tgn_contrib:10000001, tgn_contrib:10000003
dcterms:source	tgn_source:2009007144-subject-7007302, tgn_source:2009008541-subject-7007302, tgn_source:9006073, tgn_source:9006444,

ULAN - Union List of Artist Names

Last Reviewed: 2018-01-02

Homepage: http://www.getty.edu/research/tools/vocabularies/ulan/

Contact Information:

- vocab@getty.edu
- ULAN@getty.edu

Rights and Use Restrictions on the Data:

http://www.getty.edu/about/whatwedo/opencontent.html

Modeling:

- http://vocab.getty.edu/doc/#ULAN_Specifics
- http://vocab.getty.edu/doc/

MARC Subfield for Capturing URIs:

http://vocab.getty.edu/ulan/500011138 style URIs in $0;
http://vocab.getty.edu/ulan/500011138-agent style URIs in $1

To Formulate URI: append the ID to http://vocab.getty.edu/ulan/
Examples:

- http://vocab.getty.edu/ulan/500011138
- http://vocab.getty.edu/ulan/500011138-agent

Research

Research Home ▸ Tools ▸ Union List of Artist Names ▸ Full Record Display

Union List of Artist Names® Online
Full Record Display

New Search Previous Page Help

Click the icon to view the hierarchy.

Semantic View (JSON, JSONLD, RDF, N3/Turtle, N-Triples)

Record Type: Person

ID: 500011138
Page Link: http://vocab.getty.edu/page/ulan/500011138

Hadid, Zaha (British architect, 1950-2016, born in Iraq)

Note: Born in Iraq, Hadid attended boarding schools in Europe from the age of 16. From 1972 she trained at the Architectural Association in London, with Elia Zenghelis and Rem Koolhaas. In 1994 she won a competition for the Cardiff Bay Opera House in Cardiff, Wales. She began her own practice in 1979, but realized no built works until 1994 with the Vitra Fire Station in Weil am Rhein, Germany. Known for the dynamic, sculptural, and complex forms of her built works, she was the first woman to win the Pritzker Prize (2004). She was also the first woman to win Britain's Royal Gold Medal when she was named the 2016 recipient.

Names:
Hadid, Zaha (**preferred**,V,index)
Zaha Hadid (V,display)
Hadid, Zaha M. (U)

Nationalities:
British (modern) (**preferred**)
English
Iraqi

Roles:
artist (**preferred**)
architect
designer
teacher

Semantic View:

Getty Vocabularies: LOD SPARQL Queries Any Search... Search Brief

Hadid, Zaha

Source:http://vocab.getty.edu/ulan/500011138

Subject (106) Predicate Object All Website | Hierarchy | Download in: JSON | JSONLD | RDF | N3/Turtle | N-Triples

Inference Explicit only

Statements in which the resource exists as a subject.

Predicate	Object
rdf:type	gvp:PersonConcept
rdfs:seeAlso	http://www.getty.edu/vow/ULANFullDisplay?find=&role=&nation=&subjectid=500011138
dcterms:created	1990-02-01T00:00:00, 1990-05-05T00:00:00, 1998-04-27T00:00:00
dcterms:modified	2002-06-06T14:57:44, 2003-01-13T10:38:08, 2003-06-25T12:30:39, 2003-06-30T09:23:42, 2009-06-14T14:59:33, 2009-06-14T14:59:34, 2009-06-15T22:39:08, 2009-06-15T22:39:09, 2009-06-16T05:36:07, 2010-07-21T14:39:35, 2010-10-27T11:10:04, 2010-11-05T10:31:31, 2016-03-31T09:35:13, 2016-03-31T09:35:14, 2016-03-31T10:37:29, 2016-03-31T10:37:30, 2016-03-31T10:47:47, 2016-04-08T08:27:44, 2016-12-07T14:56:01, 2018-05-11T15:47:19, 2018-06-27T10:03:49
skos:changeNote	ulan_rev:5500030820, ulan_rev:5500030821, ulan_rev:5500030822, ulan_rev:5501228368, ulan_rev:5501593077, ulan_rev:5501593078, ulan_rev:5501659142, ulan_rev:5501660509, ulan_rev:5504085601, ulan_rev:5504085603, ulan_rev:5504150121, ulan_rev:5504150135, ulan_rev:5504363176, ulan_rev:5505131664, ulan_rev:5505241897, ulan_rev:5505292012, ulan_rev:5507215851, ulan_rev:5507215852, ulan_rev:5507215867, ulan_rev:5507215868, ulan_rev:5507215869, ulan_rev:5507215872, ulan_rev:5507215893, ulan_rev:5507215894, ulan_rev:5507215895, ulan_rev:5507215896, ulan_rev:5507215897, ulan_rev:5507218747, ulan_rev:5507639761, ulan_rev:5509273811, ulan_rev:5509641520
gvp:parentString	Persons, Artists
gvp:parentStringAbbrev	Persons, Artists
gvp:displayOrder	72200
skos:exactMatch	http://id.loc.gov/authorities/names/n84125154
xl:prefLabel	ulan_term:1500031150
xl:altLabel	ulan_term:1500230002, ulan_term:1501210276
gvp:broaderInstantial	ulan:500000002
gvp:broaderPreferred	ulan:500000002
gvp:prefLabelGVP	ulan_term:1500031150

APIs: http://vocabsservices.getty.edu/ULANService.asmx (SPARQL endpoint is also available (http://vocab.getty.edu/sparql).

Query examples to get URIs for particular entity types: http://vocab.getty.edu/queries#Full_Text_Search_Query

Frequency of Updates/Versioning of Data: Data is refreshed every two weeks.

Who is using these entities: N/A

Tools: N/A

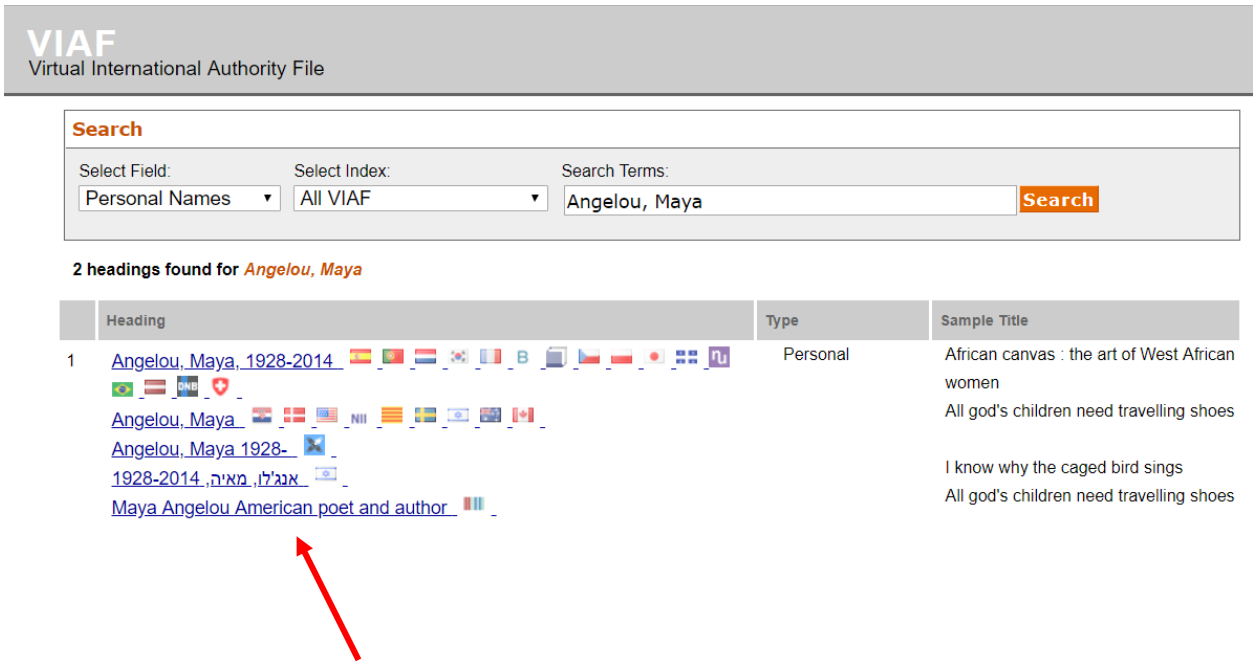
Other: The ULAN is available fee-free in JSON, RDF, N3/Turtle, and N-Triples under the Open Data Commons Attribution License (ODC-By) 1.0.

Please see
http://www.getty.edu/research/tools/vocabularies/obtain/download.html.

VIAF - Virtual International Authority File

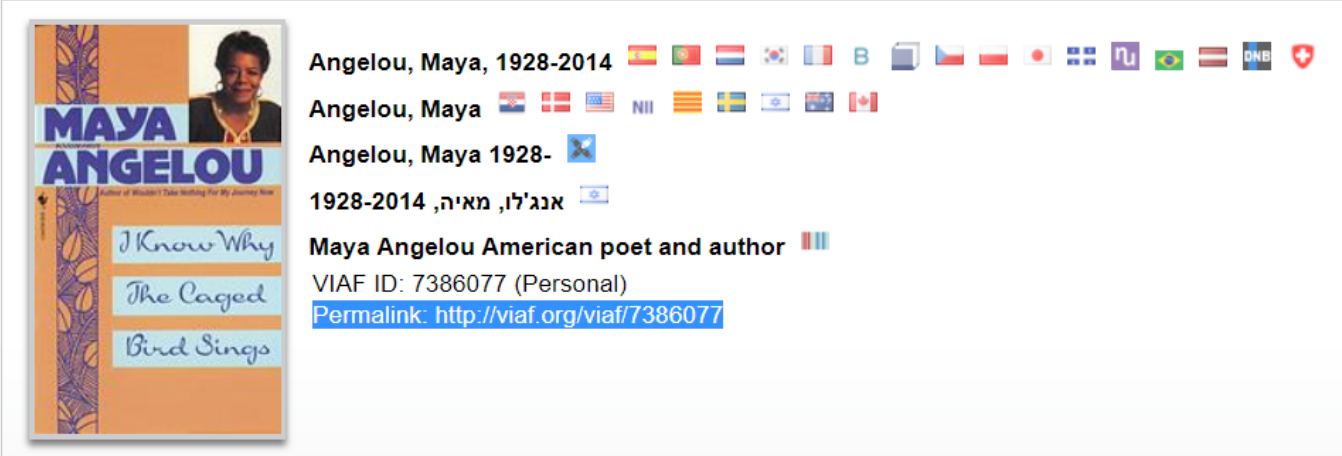
Last Reviewed: 2018-01-09
Homepage: https://viaf.org/
Contact Information: bibchange@oclc.org
Rights and Use Restrictions on the Data: compliance with section 4.3 of ODC Attribution Licence (https://opendatacommons.org/licenses/by/1.0/). See also http://viaf.org/viaf/data/
Modeling: schema:Person and schema:Person (both have equivalent class assertions with corresponding FOAF classes)
MARC Subfield for Capturing URIs: $1

To Formulate URI: search VIAF for the entity, display the clustered VIAF record, append the VIAF ID to http://viaf.org/viaf/.
*Alternative: Copy the Permalink from a particular VIAF page *and remove the 's' from 'https:'*
Example: http://viaf.org/viaf/7386077



Click on link to display full cluster

Note the permalink (highlighted below) will return RDF, but the **canonical structure of a VIAF URI starts with http://**. See "Use of VIAF URIs" in OCLC official documentation: http://viaf.org/viaf/data/



APIs: https://platform.worldcat.org/api-explorer/apis/VIAF (In order to use the API service, it is required to request a key.)

Query examples to get URIs for particular entity types:

Frequency of Updates/Versioning of Data: N/A

Who is using these entities: N/A

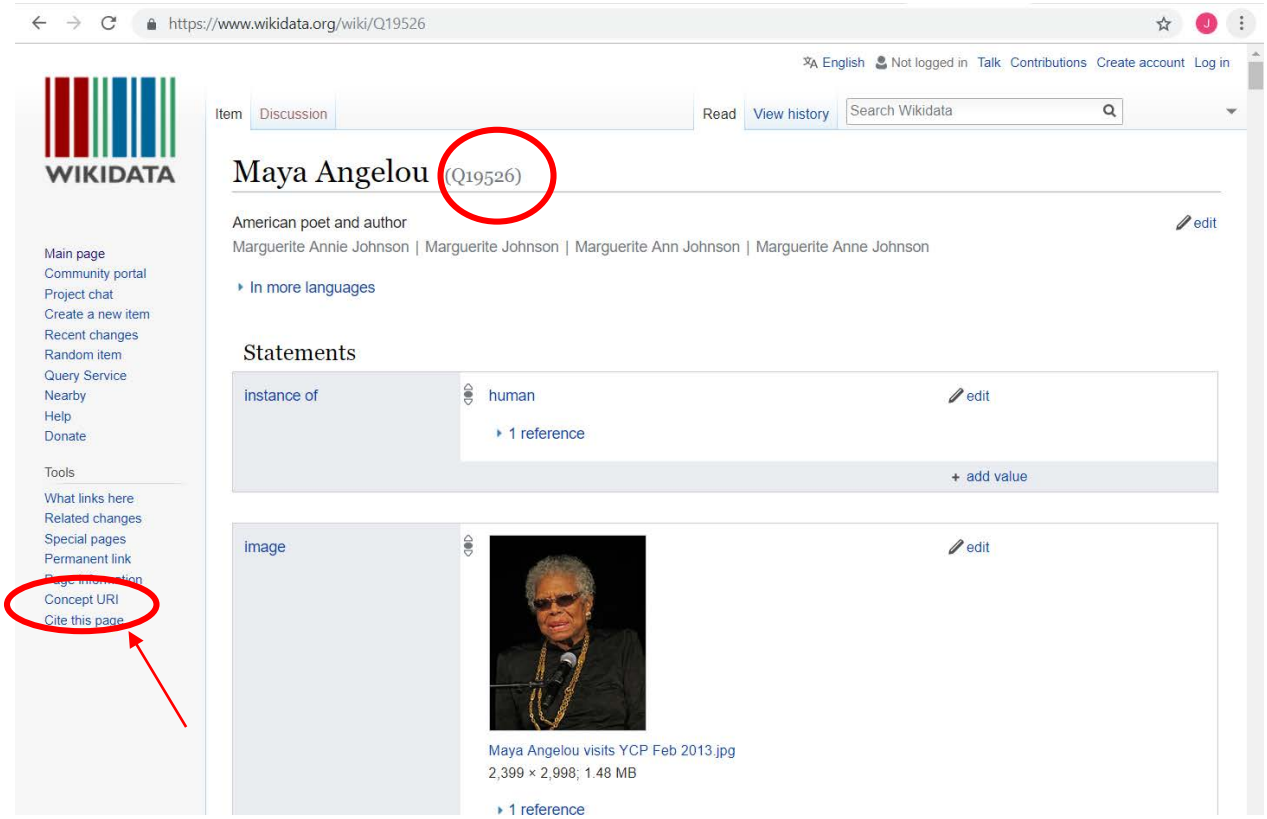
Tools: N/A

Other:

Wikidata

Last Reviewed: 2018-01-02
Homepage: https://www.wikidata.org
Contact Information: https://lists.wikimedia.org/mailman/listinfo/wikidata-l
Rights and Use Restrictions on the Data:
https://creativecommons.org/publicdomain/zero/1.0/
Modeling:
https://www.wikidata.org/wiki/Wikidata:WikiProject_Ontology/Modelling
MARC Subfield for Capturing URIs: $1

To Formulate URI: append the identifier (found in parentheses adjacent to the entity label) to http://www.wikidata.org/entity/
Example: http://www.wikidata.org/entity/Q19526 (The URI should not be copied from the browser address bar, because that is an information resource address rather than the URI for the real world object. On the left hand column, right click on “Concept URI” and copy the link location to get the RWO URI.)



APIs: https://www.wikidata.org/wiki/Wikidata:Data_access
Query examples to get URIs for particular entity types:
Frequency of Updates/Versioning of Data: N/A
Who is using these entities: N/A
Tools: N/A
Other: WikiData has moved to https. URIs using both http or https will return json-ld; their documentation still directs to use http to formulate linked data URIs.

Data Sources Without Linked Data:Sources for Control Numbers and Non-RDF Data

This section data describes sources typically used by the MARC community to capture control numbers stored in $0, but that do not provide related data as linked data.

AllMovie

Last Reviewed: 2017-04-07
Homepage: http://www.allmovie.com/

AllMusic

Last Reviewed: 2017-04-07
Homepage:http://www.allmusic.com/

BFI - British Film Institute

Last Reviewed: 2018-01-22
Homepage: http://www.bfi.org.uk/explore-film-tv/films-tv-people

Canadian Geographical Names

Last Reviewed: 2017-12-22
Homepage: http://www4.rncan.gc.ca/search-place-names/search?lang=en

Discogs

Last Reviewed: 2017-12-22
Homepage: http://www.discogs.com/

GNIS - Geographic Names Information System

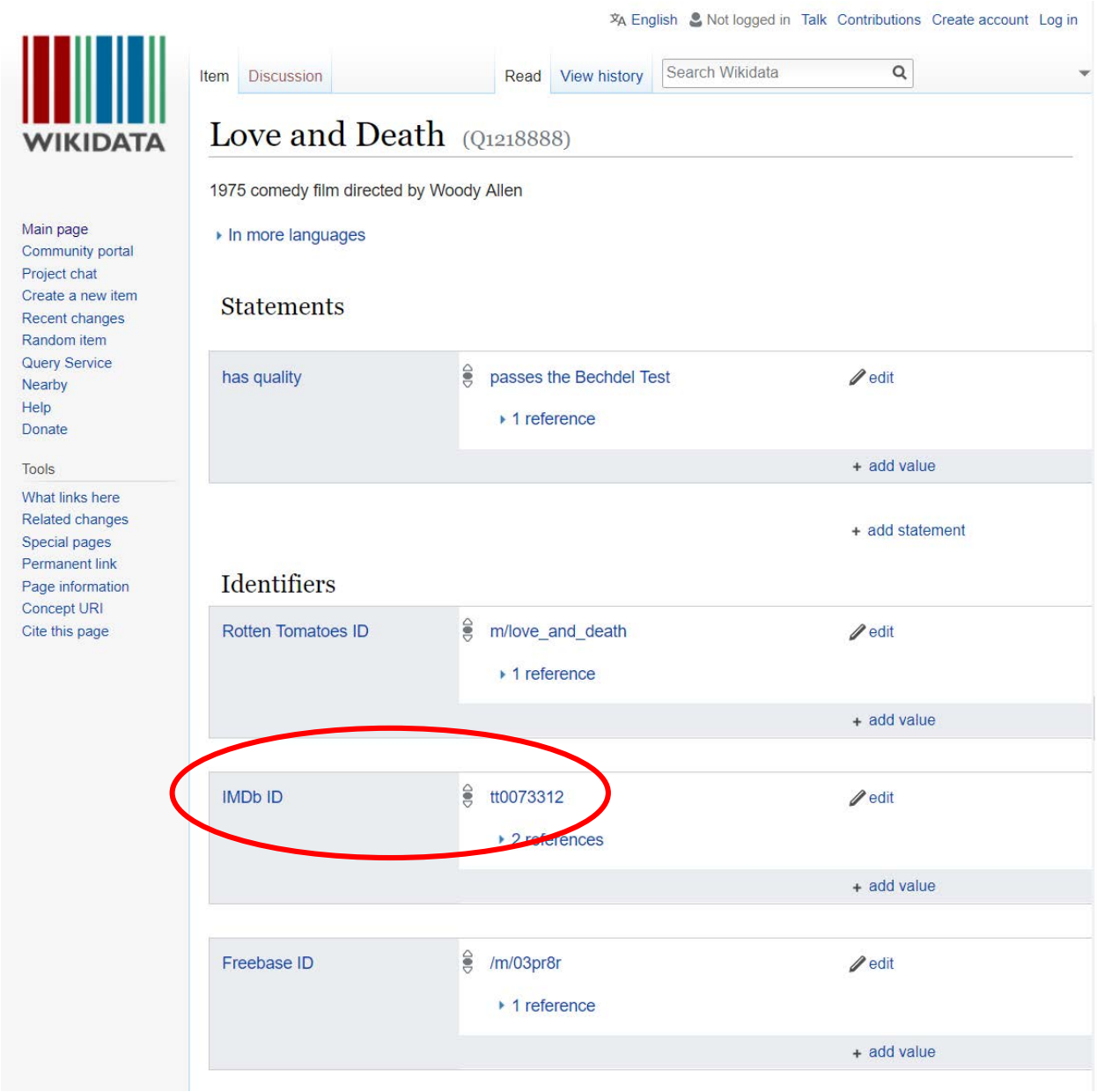
Last Reviewed: 2018-01-04
Homepage: http://geonames.usgs.gov/

IBDB - Internet Broadway Database

Last Reviewed: 2018-01-04
Homepage: http://www.ibdb.com/

IMDb - Internet Movie Database

Last Reviewed: 2017-12-20
Homepage: http://www.imdb.com/
Contact Information: http://www.imdb.com/helpdesk/contact?ref_=ft_con
Rights and Use Restrictions on the Data:
http://www.imdb.com/interfaces/
IMDb identifiers can often be found in Wikidata:



Legal Entity Identifier

Last Reviewed: 2018-01-16
Homepage: http://openleis.com/

Library of Congress Authorities

Last Reviewed: 2018-01-04
Homepage: https://lccn.loc.gov/

ResearcherID

Last Reviewed: 2018-01-02
Homepage: http://www.researcherid.com/

Scholar Universe

Last Reviewed: 2018-01-02
Homepage: http://www.scholaruniverse.com/

Blank Template for Adding a New Entry

Data Source/Vocabulary Name

Last Reviewed: [YYYY-MM-DD]
Homepage: [URL]
Contact Information: [URL, email, etc.]
Rights and Use Restrictions on the Data: [URL, information, etc.]
Modeling: [URL, description, etc.]
MARC Subfield for Capturing URIs: [$0 or $1 or $4]

To Formulate URI: [Instructions] Example: [URI]

[Further description and/or screenshots on formulating/obtaining a URI for the source]

APIs: [URL, description, etc.]
Query examples to get URIs for particular entity types: [Example queries and URLs to more information]
Frequency of Updates/Versioning of Data: [Description if applicable]
Who is using these entities: [Projects, organizations, etc.]
Tools: [List of tools enabling use.]
Other: [Anything else to help understand use this data source.]

Future Work

1.) Provide more information on what each data source includes in terms of entities, like names, places, events, etc.
2.) Greater emphasis on tools that support the integration of related URIs in MARC.
3.) Consider a better way to edit and maintain this document