

Wikibase Cloud and the **SNARC Hub** for Name Authority Records Relating to Wales and in the Welsh Language

Jason Evans
Open Data Manager

A complex network graph visualization with numerous blue and white circular nodes of varying sizes connected by thin, light blue lines. The nodes are densely packed on the right side and more sparse on the left, creating a sense of depth and connectivity.

**LGC
NLW**

WIKIDATA BASICS

label

Douglas Adams (Q42)

item identifier

description

English writer and humorist
Douglas Noël Adams | Douglas Noel Adams
▶ In more languages

aliases

Statements

property

educated at

St John's College

value

end time	1974
academic major	English literature
academic degree	Bachelor of Arts
start time	1971

qualifiers

rank

▼ 2 references

stated in	Encyclopædia Britannica Online
reference URL	http://www.nndb.com/people/731/000023662/
original language of work	English
retrieved	7 December 2013
publisher	NNDB
title	Douglas Adams (English)

opened references

statement group

Brentwood School

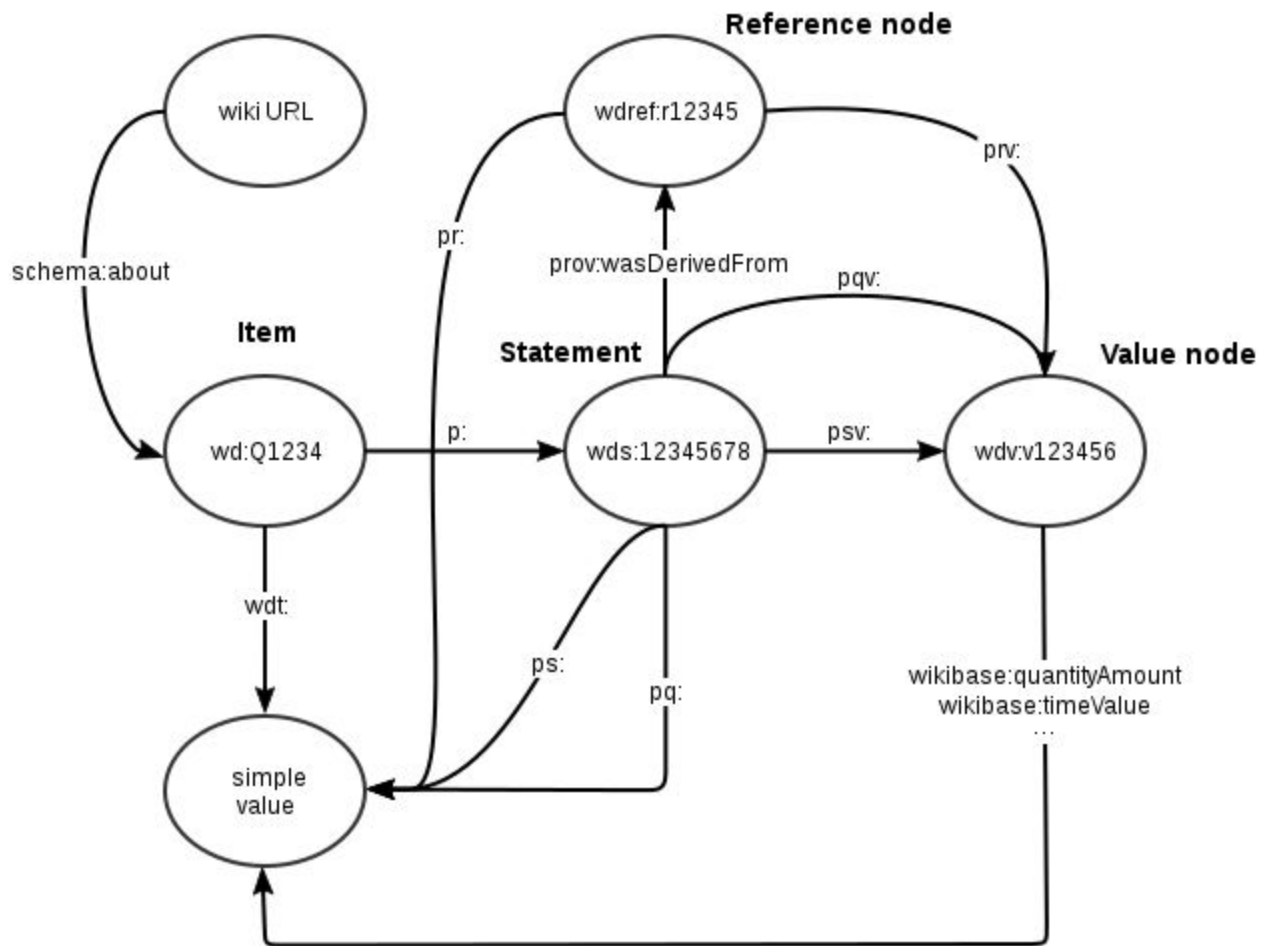
end time	1970
start time	1959

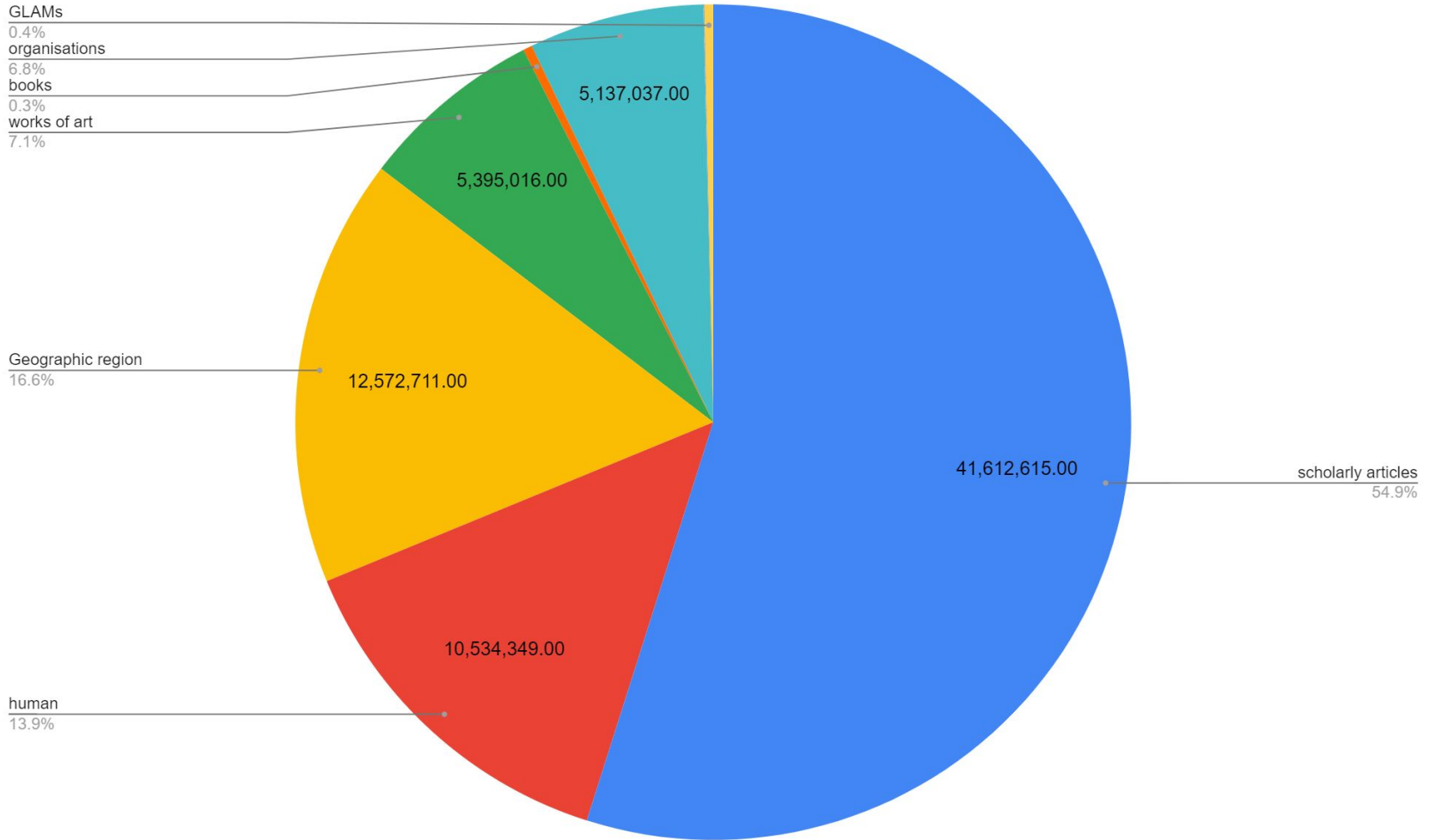
▶ 0 references

collapsed reference

+ add (statement)

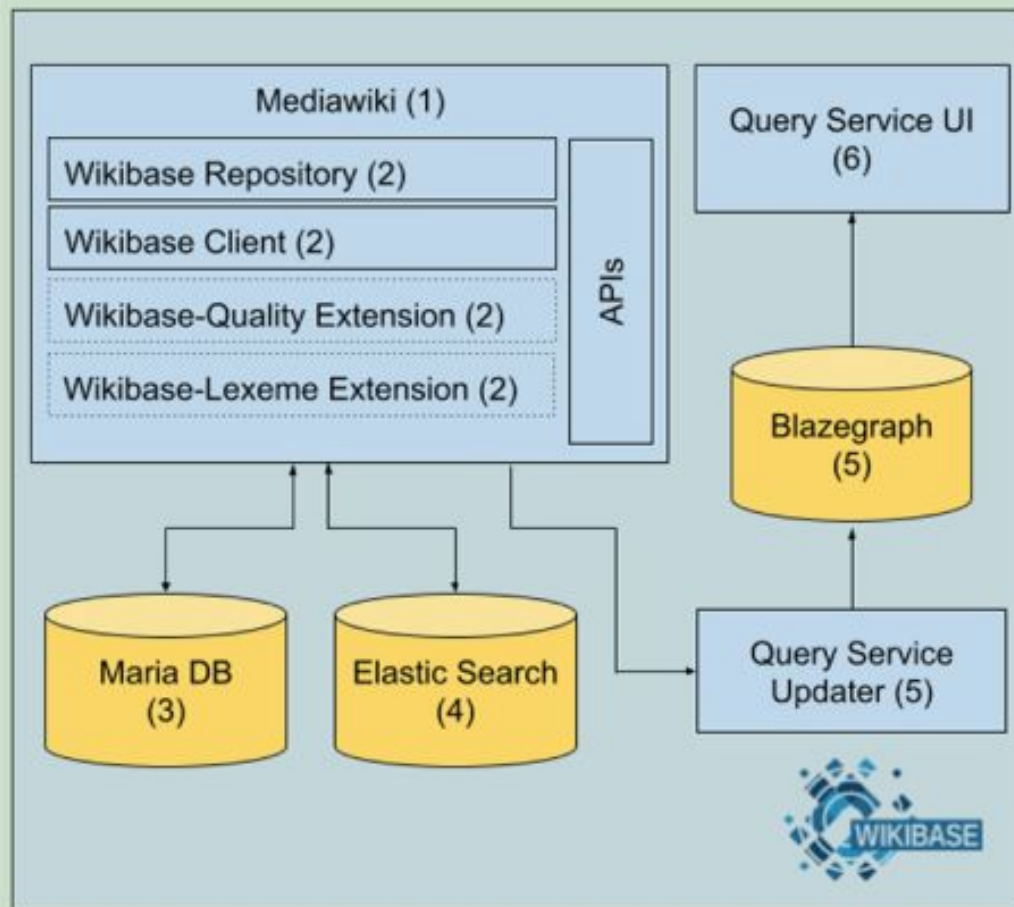






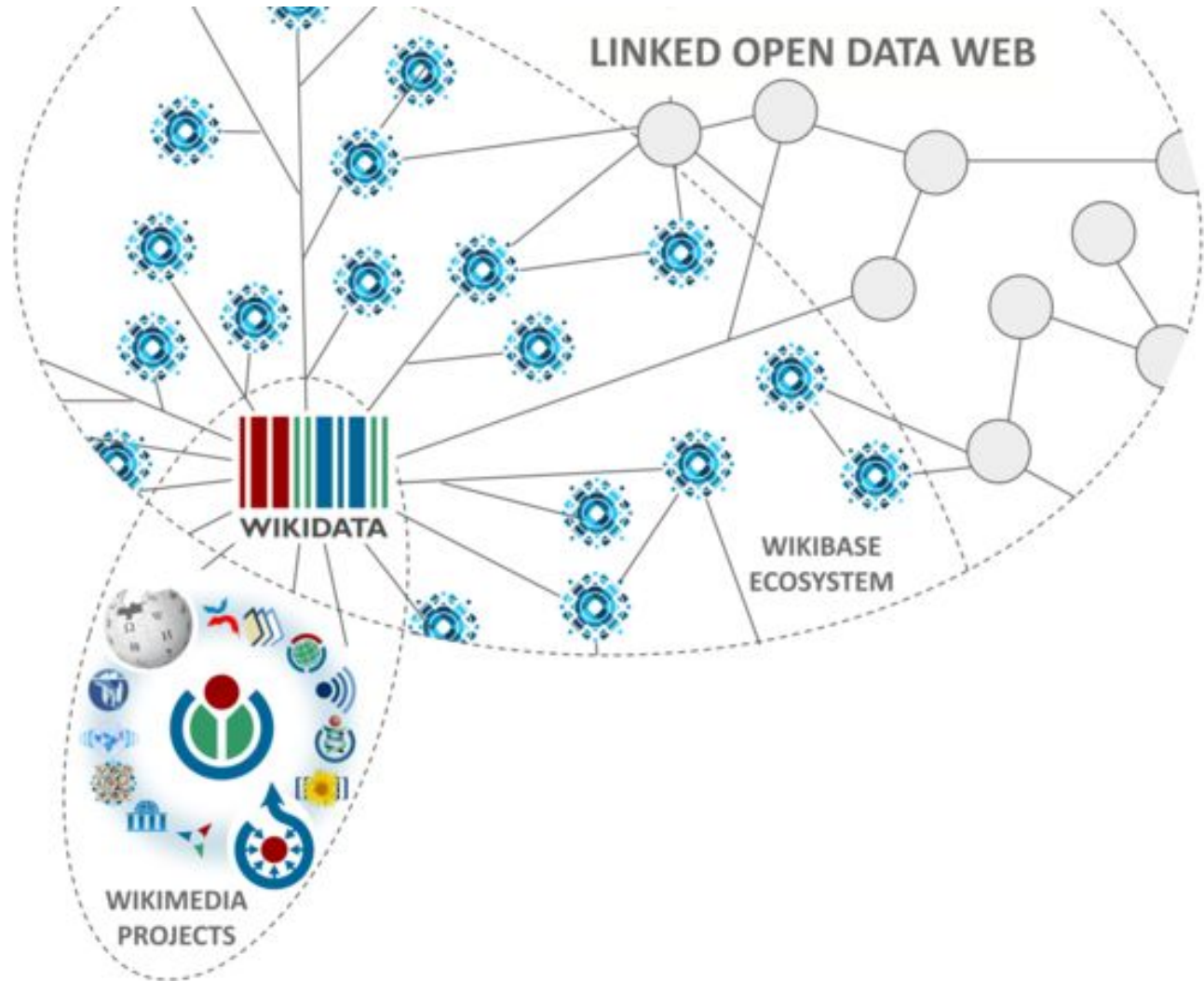
WIKIBASE

Wikibase and Tools



API Clients + SPARQL Clients

- OpenRefine
- Quickstatements
- WikibaseImporter
- WikibaseIntegrator
- ...



Enslaved

Peoples of the Historical Slave Trade

Explore or reconstruct the lives of individuals who were enslaved, owned slaves, or participated in the historical trade.

[Learn More](#)

Start a search across records from the historical slave trade

[Go to Advanced Search](#)

Search for a keyword, a name, a place, an event, or a source



Explore

Browse People, Events, Places, and Sources

	People	679602	>
	Events	434463	>
	Places	9463	>
	Sources	2836	>

Structured Commons - What lives where?

(sample, doesn't cover everything)

→ Smart URI (new type of link to Wikimedia user page, Flickr user page, ...)

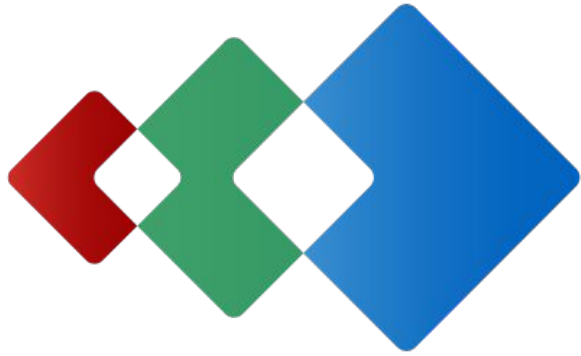
→ Uses Wikidata items/properties via federation

Wikimedia Commons	
MediaWiki	Wikibase
File name	File ID (M12345678)
Resolution	Title / Caption
Categories	Description text (<i>string</i>)
Wikitext templates	EXIF metadata (?)
Uploader user page	Non-notable contributors (<i>smart URI</i>)
	Notable contributors
	Copyright and licensing
	Things "depicted"
	Dates (<i>datatype date/time</i>)
	Geo location (<i>datatype coordinate</i>)

You will see the things in this blue box on Commons

Wikidata
Notable contributors (<i>items/properties</i>)
Copyright, licensing (<i>items/properties</i>)
Things "depicted" (<i>items/properties</i>)
Dates (<i>properties</i>)
Geo location (<i>properties</i>)

Some properties and items pulled from Wikidata



WIKIBASE CLOUD

Wikibase Cloud makes it easy and quick to host your Wikibase with no need for your own infrastructure. We offer a complete install of Wikibase and its services within a few minutes of signup. Wikibase cloud is GDPR-compliant, rule-free, flexible and free and open source.



Doelgericht Digitaal Transformeren

No. of pages: 880914



biodiversity citizen science

No. of pages: 578982



wikifcd

No. of pages: 468594



geokb

No. of pages: 226793



wikidp

No. of pages: 116444



Internet Domains

No. of pages: 310716



MLV

No. of pages: 88295



Datenbank Nordhausen

No. of pages: 86801



Semantic Name Authority Repository Cymru

No. of pages: 102272



Devonshire

No. of pages: 61655



Dancing Digital

No. of pages: 60082



pbuidev

No. of pages: 51615



Lord Chamberlain's Plays Index

No. of pages: 39390



Inguma Wikibase

No. of pages: 35787



LexBib

No. of pages: 34370



Our Heritage, Our Stories



Project twitter
[@OHOS_NatColl](https://twitter.com/OHOS_NatColl)

Overview

Our Heritage, Our Stories: Linking and searching community-generated digital content to develop the people's national collection is a Discovery Research Project funded by the Arts and Humanities Research Council, as part of the [Towards a National Collection](#) programme. This programme aims to 'take the first steps towards creating a

SNARC

Semantic Name Authority Cymru

Name Authority

Mary, Queen of Scots, 1542-1587

Authority record » Mary, Queen of Scots, 1542-1587

Identity area

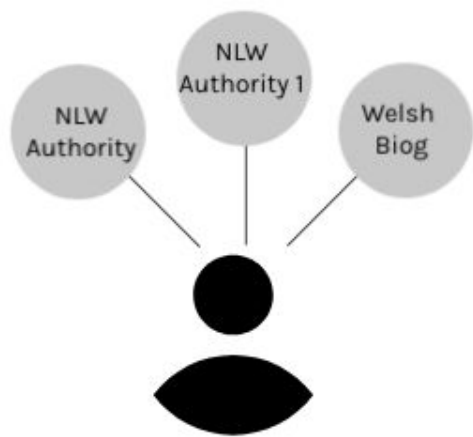
Type of entity	Person
Authorized form of name	Mary, Queen of Scots, 1542-1587

Control area

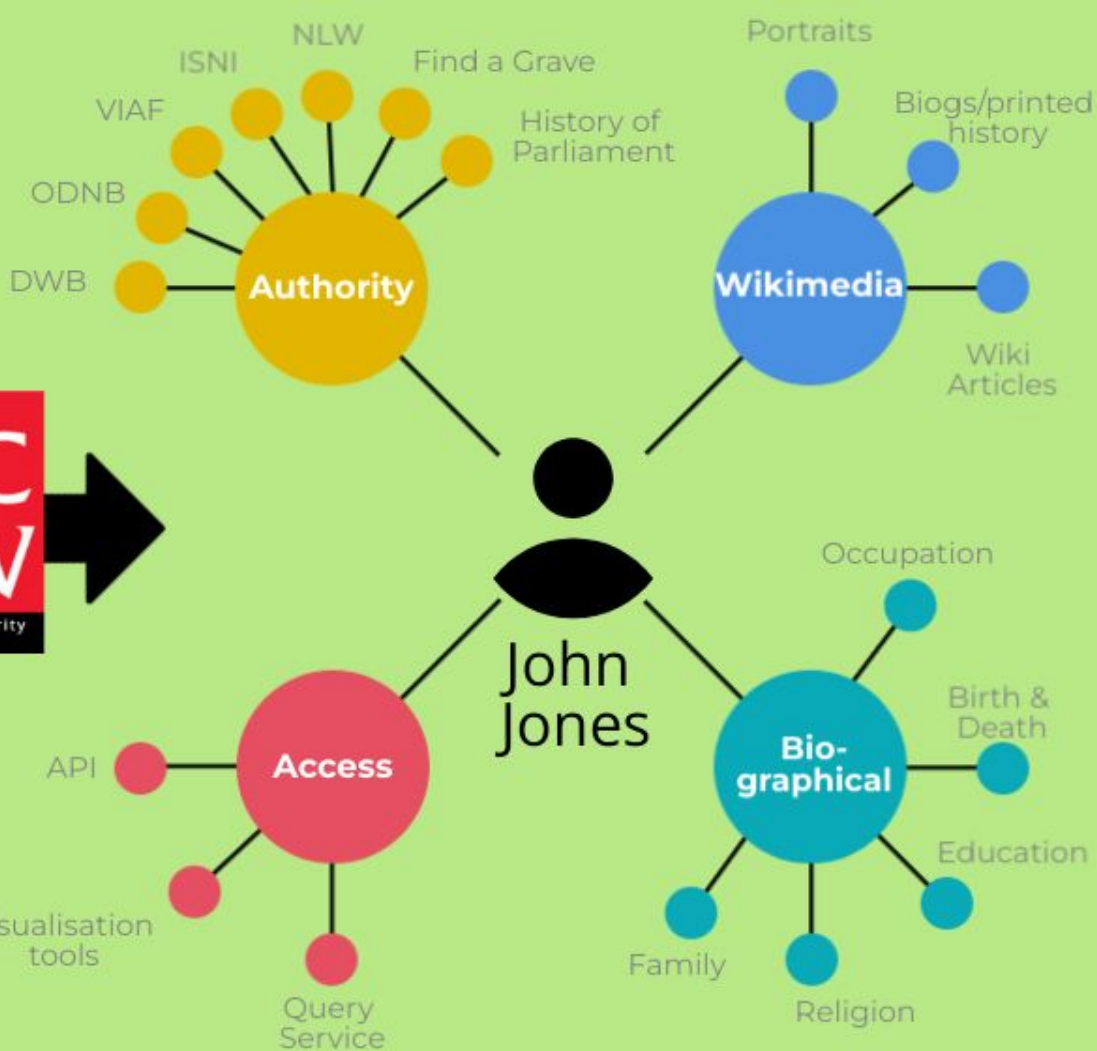
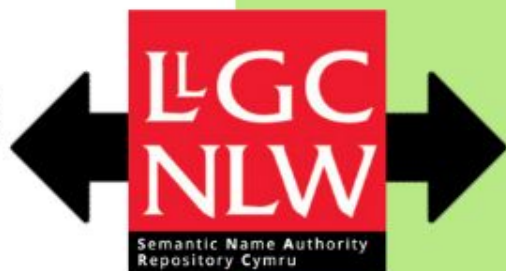
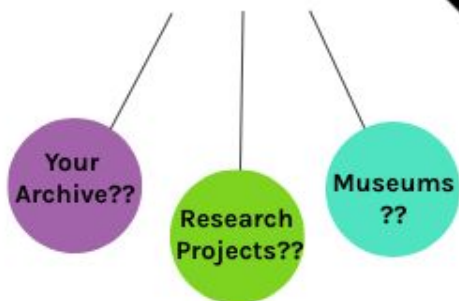
Rules and/or conventions used	aacr2
Sources	lcsh



An authority record is created for the **standardized** form of a name or term. This form is sometimes called the **authorized, authoritative, or established** form. On the authority record the standardized form is the key element for which the record was made, so it is also called the **heading**

Library of Congress

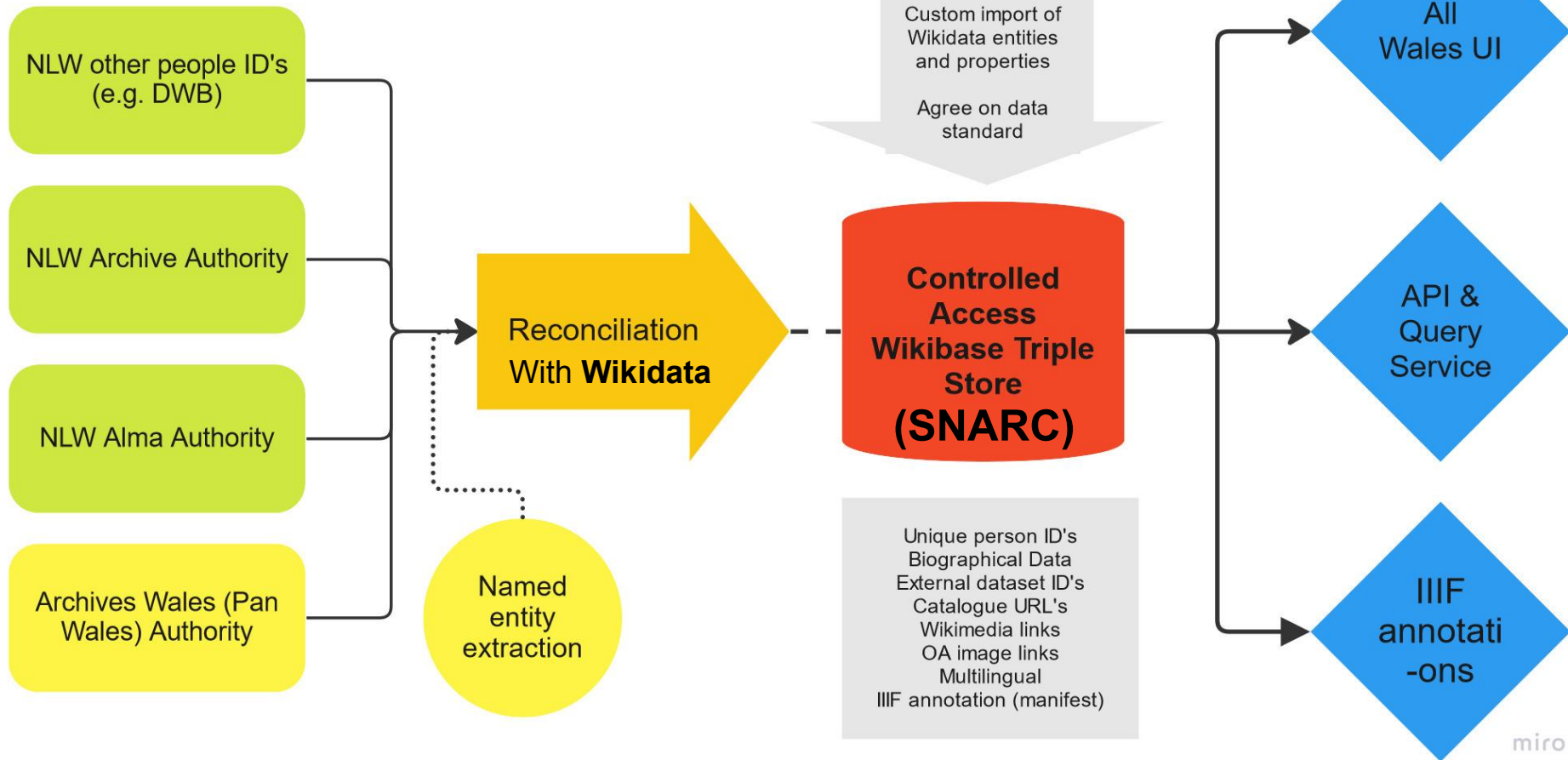


John Jones
1802-1872



	 WIKIDATA	 Semantic Name Authority Repository Cymru
Data Structure	Designed by the community and constantly changing to adapt for different data types	Custom, simple data model designed for Culture Sector name authority and persistent IDs
Access	Anyone can edit the data and ontology. Anyone can freely reuse the data.	Only invited parties can edit. Anyone can freely reuse the data.
Language	Partial coverage in 300 Languages	Complete coverage in English and Welsh
Content	Data about anything	Only data related in someway to Welsh cultural heritage

Structured Name Authority



Main Page

Semantic Name Authority Repository Cymru

Linked database of authority records and related data for people and places in Welsh archives

102,260 Items.

Introduction

The **Semantic Name Authority Repository Cymru** (SNARC) was established in order to provide a central hub for name authority records relating to Wales and in the Welsh language. The authority records related to people, places or social constructs such as organisations or businesses. The database also includes all the additional data needed to describe these things, such as occupations, places of education, language and nationality. Based on Wikidata , but using a simplified and customized ontology, the data is presented as Linked Open Data and this makes it easier for us to define relationships between entities in our collections. All the data is bilingual and available on an Open Licence. The dataset can be explored using the search box on this page, the links below or using the API or Query Service . Our goal is to grow the dataset using data from Welsh cultural organizations, connecting our heritage in one central hub. It will also act as an important bridge between 3rd party linked open data from Wikidata and other sources, and data curated by GLAM professionals around the world.

Explore People



Useful queries and data visualisations for exploring the data

Explore People

- [Image Gallery of People in our collections](#)
- [Keeping up with the Joneses; all known family of people with the surname Jones](#)
- [Interactive map of birth places of people in our archives](#)
- [Graph of Welsh estates, houses and their owners](#)



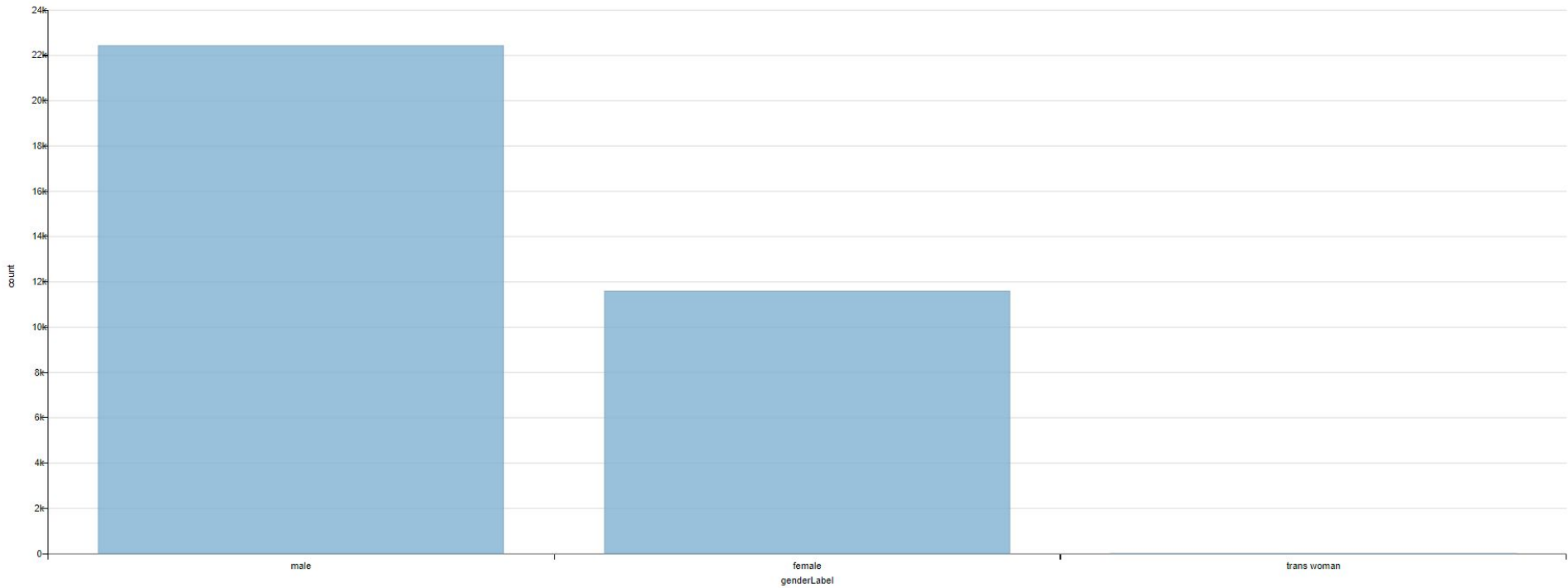
Main page
Recent changes
Random page
Help about MediaWiki

Tools
What links here
Related changes
Special pages
Printable version
Permanent link
Page information

Wikibase
New Item
New Property
New Schema
All Properties
Query Service
Cradle
QuickStatements

In other languages
 Add links

34,000 People...



Wikimedia Commons media



[Sarah Jane Rees \(Crangowen, 1839-1916\) NLW3362516.jpg](#)

[edit](#)

▼ 0 references

[+ add reference](#)

[+ add value](#)

Wikidata Item ID



[Q56175528](#)

[edit](#)

▼ 0 references

[+ add reference](#)

[+ add value](#)

wikidata URI



<http://www.wikidata.org/entity/Q56175528>

[edit](#)

▼ 0 references



10107/1124576

image title

Sarah Jane Rees (Cranogwen,
1839-1916)

edit

▼ 0 references

+ add reference



10107/4670479

image title

Sarah Jane Rees, 'Cranogwen'

edit

▼ 0 references

+ add reference



10107/5292147

image title

Cranogwen

edit

▼ 0 references

+ add reference

+ add value

+ add statement

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)
- [Page information](#)
- [Concept URI](#)

Wikibase

- [New Item](#)
- [New Property](#)
- [New Schema](#)
- [All Properties](#)
- [Query Service](#)
- [Cradle](#)
- [QuickStatements](#)

In other languages

[Add links](#)

town and community in Ceredigion, Wales

[edit](#)

Aber

[In more languages](#)

[Configure](#)

Language	Label	Description	Also known as
English	Aberystwyth	town and community in Ceredigion, Wales	Aber
Welsh	Aberystwyth	tref yng Ngheredigion, Cymru	Aber

Statements

instance of [town](#) [edit](#)

[0 references](#)

[+ add reference](#)

[+ add value](#)

source of name form [Welsh Language Commissioner](#) [edit](#)

reference URL <https://www.welshlanguagecommissioner.wales/standardised-welsh-place-names>

[0 references](#)

[+ add reference](#)

[+ add value](#)

country [Wales](#) [edit](#)

[0 references](#)

[+ add reference](#)

[+ add value](#)

John Jones (Q50116)

argraffydd a dyfeisiwr


Pyll

▼ [Ieithoedd eraill](#)

[Ffurfweddu](#)

Iaith	Label	Disgrifiad	Enwau eraill
Cymraeg	John Jones	argraffydd a dyfeisiwr	Pyll
Saesneg	John Jones	Welsh printer, publisher and poet	Pyll John Jones of Llanrwst

Mynegiadau


enghraifft o'r canlynol  [bod dynol](#)
→ 0 ffynonellau

rhyw  [gwrywaidd](#)
→ 0 ffynonellau

ffugenw  [Pyll](#)
→ 0 ffynonellau

cyfenw  [Jones](#)
→ 0 ffynonellau

galwedigaeth  [bardd](#)
→ 0 ffynonellau

 [llyfrwerthwr](#)
→ 0 ffynonellau

dyddiad geni  [7 Mai 1786](#) *Gregorian*
→ 1 ffynhonnell

dyddiad marw  [19 Mawrth 1865](#) *Gregorian*
→ 1 ffynhonnell

man geni  [Trefriw](#)
→ 0 ffynonellau

man marw  [Llanrwst](#)
→ 0 ffynonellau

plentyn  [Evan Jones](#)
→ 0 ffynonellau

 [Owen Evan Jones](#)
→ 0 ffynonellau

perthynas (teulu)  [Dafydd Jones](#)
→ 0 ffynonellau

iaith y person  [Cymraeg](#)
→ 0 ffynonellau

 [Saesneg](#)

Hafan

[Newidiadau diweddar](#)

[Tudalen ar hap](#)

[Cymorth gyda](#)

[MediaWiki](#)

Offer

[Beth sy'n cysylltu yma](#)

[Newidiadau perthnasol](#)

[Tudalennau arbennig](#)

[Fersiwn argraffu](#)

[Dolen barhaol](#)

[Gwybodaeth am y](#)

[tudalen](#)

[URI Cysyniad](#)

[Wikibase](#)

[New Item](#)

[New Property](#)

[New Schema](#)

[All Properties](#)

[Query Service](#)

[Cradle](#)

[QuickStatements](#)

[Ychwanegu doleenni](#)

Place

Any place whether natural or human made

Landform ↓

Human settlement ↓

Geographic region ↓

Architectural structure ↓

Concept

Semantic unit understood in different ways

Gender identity ↓

Occupation ↓

Social structure ↓

Temporal entity ↓

Anthroponym ↓

Life

Any living physical entity such as an animal, plant, fungus, or bacterium

Animal ↓

Plant ↓

Creation

Intentional intellectual or artistic creation

Creative work ↓

Written work ↓

Collection ↓

Language ↓

Object ↓

Equipment ↓

Place

Any place whether natural or human made

Landform ↓

- **island** (Q8579) (← links)
- **valley** (Q8585) (← links)
- **massif** (Q8592) (← links)
- **mountain range** (Q8607) (← links)
- **cirque** (Q9704) (← links)
- **body of water** (Q9711) (← links)
- **bay** (Q9734) (← links)
- **beach** (Q9735) (← links)
- **bog** (Q9739) (← links)
- **canyon** (Q9751) (← links)
- **cape** (Q9752) (← links)
- **cave** (Q9757) (← links)
- **coast** (Q9769) (← links)
- **hill** (Q9810) (← links)
- **headland** (Q9834) (← links)
- **estuary** (Q9868) (← links)
- **grassland** (Q9889) (← links)
- **tidal island** (Q9972) (← links)
- **ria** (Q9981) (← links)
- **fish pond** (Q10014) (← links)
- **watercourse** (Q10019) (← links)
- **channel** (Q10020) (← links)
- **ridge** (Q10025) (← links)
- **rock** (Q10026) (← links)
- **ancient woodland** (Q10034) (← links)
- **harbor** (Q10035) (← links)
- **grotto** (Q10132) (← links)
- **rock formation** (Q10154) (← links)
- **col** (Q10176) (← links)
- **coastal plain** (Q10178) (← links)
- **woodland** (Q10188) (← links)
- **upland** (Q10197) (← links)
- **neel tower** (Q10222) (← links)

Concept

Semantic unit understood in different ways

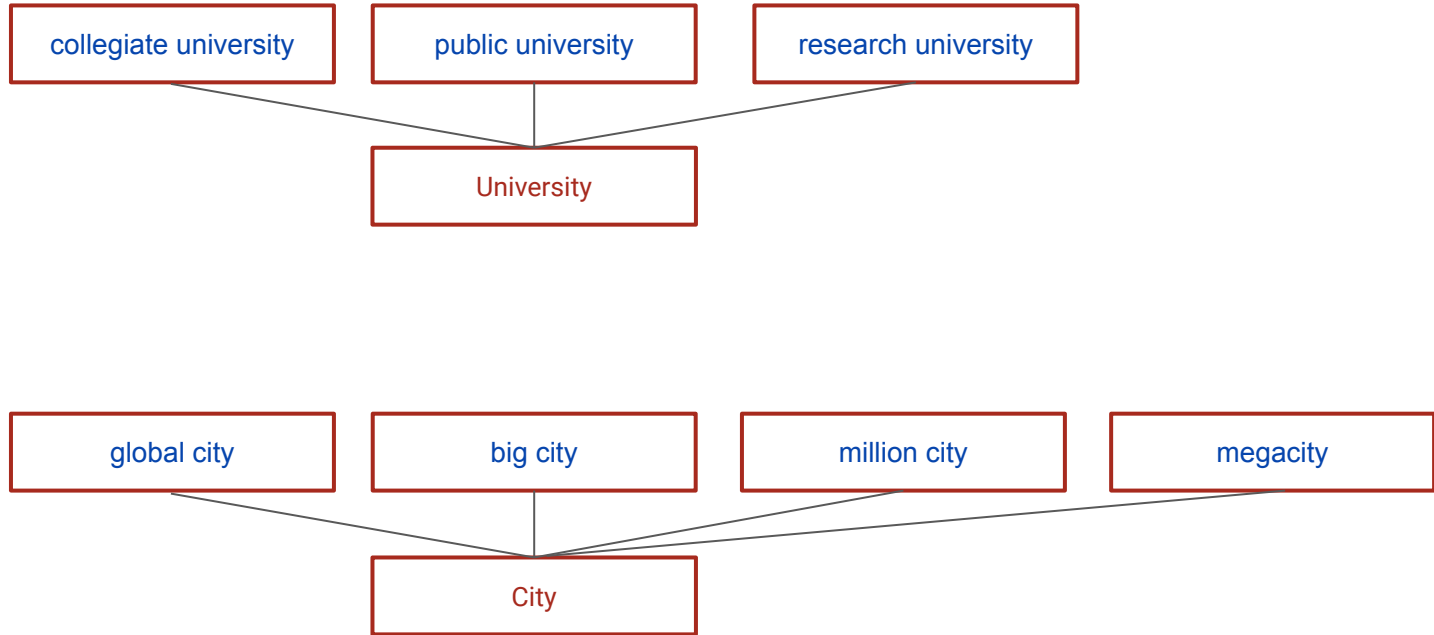
Gender identity ↓

- [non-binary](#) (Q32) (← links)
- [male](#) (Q33) (← links)
- [female](#) (Q34) (← links)
- [intersex](#) (Q35) (← links)
- [trans woman](#) (Q36) (← links)
- [trans man](#) (Q37) (← links)

Occupation ↓

- [Spanish Ombudsman](#) (Q64) (← links)
- [Lithuanian partisans](#) (Q65) (← links)
- [woodworker](#) (Q66) (← links)
- [leather crafting](#) (Q67) (← links)
- [insurance broker](#) (Q68) (← links)
- [governor](#) (Q69) (← links)
- [typography](#) (Q70) (← links)
- [sewing](#) (Q71) (← links)
- [hiking](#) (Q72) (← links)
- [agent provocateur](#) (Q73) (← links)
- [firefighter](#) (Q74) (← links)
- [newspaper delivery](#) (Q75) (← links)
- [outlaw](#) (Q76) (← links)
- [indentured servant](#) (Q77) (← links)
- [kokugaku](#) (Q78) (← links)
- [bellfounder](#) (Q79) (← links)
- [postmaster](#) (Q80) (← links)
- [jester](#) (Q81) (← links)
- [blacksmith](#) (Q82) (← links)
- [bladesmith](#) (Q83) (← links)
- [troubadour](#) (Q84) (← links)
- [Bhāts](#) (Q85) (← links)
- [fireman](#) (Q86) (← links)
- [archer](#) (Q87) (← links)
- [wheelwright](#) (Q88) (← links)
- [bard](#) (Q89) (← links)
- [minstrel](#) (Q90) (← links)
- [chimney sweep](#) (Q91) (← links)

Simplify...





```

1 PREFIX wikibase: <http://wikiba.se/ontology#>
2 PREFIX snarcp: <https://snarc-llgc.wikibase.cloud/prop/direct/>
3 PREFIX snarcq: <https://snarc-llgc.wikibase.cloud/entity/>
4 PREFIX wdt: <http://www.wikidata.org/prop/direct/>
5 PREFIX wd: <http://www.wikidata.org/entity/>
6 PREFIX bd: <http://www.bigdata.com/rdf#>
7 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
8
9
10 SELECT DISTINCT ?item ?itemLabel ?wikidataid ?differentfrom WHERE {
11
12   ?item snarcp:P7 snarcq:Q1367 . #Instance of City (SNARC)
13   ?item snarcp:P62 ?wikidataid . #Wikidata URI
14
15   SERVICE <https://query.wikidata.org/sparql>{
16     ?wikidataid wdt:P31 wd:Q174844 . #Only if its a MegaCity
17   }
18   SERVICE wikibase:label { bd:serviceParam wikibase:language "en". }
19 }
20
21

```



24 canlyniad in 12423 ms

</> Cod





















Law

item	itemLabel	wikidataid	differentfrom
Q <https://snarc-llgc.wikibase.cloud/entity/Q1380>	London	Q wd:Q84	
Q <https://snarc-llgc.wikibase.cloud/entity/Q1406>	Cairo	Q wd:Q85	
Q <https://snarc-llgc.wikibase.cloud/entity/Q1443>	Mexico City	Q wd:Q1489	
Q <https://snarc-llgc.wikibase.cloud/entity/Q1496>	Dhaka	Q wd:Q1354	
Q <https://snarc-llgc.wikibase.cloud/entity/Q1830>	Chennai	Q wd:Q30002	

Mapping Properties to Wikidata

Some tools assume properties with special meanings under certain identifiers. Here, you can map a property on your Wikibase instance to a property on Wikidata. E.g. if a tool needs instanceOf (P31 on Wikidata) but the instanceOf property is P4 on your Wikibase you can create a mapping between them.

Properties

My Wikibase (Your Instance)	Wikidata ↑	Actions
P3	P1630	 
P31	P18	 
P29	P2302	 
P39	P2316	 
P35	P248	 
P7	P31	 
P36	P5314	 
P17	P569	 
P10	P570	 

People [\[edit\]](#)

Identifiers

Title	ID	Data type	Description	Requirement
Instance of	P7	Item	should be used with Human for people	Always
Sex or gender	P13	Item	use male , female , non-binary , intersex , intersex , trans woman or trans man	Always
Give Name(s)	P15	Item	find or create an item for the subjects given name(s)	Always
Family Name	P16	Item	find or create an item for the subjects family name	Always
Nationality	P14	Item	use any sovereign country or nation (including Wales!)	Preferred
Occupation	P25	Item	use occupations . Choose the most specific (e.g. for Welsh Bards use Bard , not Poet or Writer)	Preferred
Date of Birth	P17	Date	date of birth of a person. Dates can be exact or a month, year, decade, century etc. Dates can also be qualified with accuracy - circa	Preferred
Date of Death	P18	Date	date of death of a person. Dates can be exact or a month, year, decade, century etc. Dates can also be qualified with accuracy - circa	Preferred
Educated at	P23	Item	use any educational institution . Do not use towns, villages ect	Optional
Place of Birth	P21	Item	can be any place (e.g. building , town , city , country)	Optional
Place of Death	P22	Item	can be any place (e.g. building , town , city , country)	Optional
Sibling	P52	Item	use item for brother or sister of the subject (also add 'Sibling' to the target item)	Optional
Father	P53	Item	use item for Father of subject. For step parent use step parent . (Also add the inverse statement (Child) to the target item)	Optional
Child	P54	Item	use item for biological child of the subject. (Also add the inverse statement (Father and or Mother) to the target item) to the target item)	Optional
Mother	P55	Item	use item for mother of subject. For step parent use step parent . (Also add the inverse statement (Child) to the target item)	Optional
Spouse	P56	Item	use item for spouse of subject. For unmarried partners use unmarried partner . (Also add the inverse statement (Spouse) to the target item)	Optional
Relative	P59	Item	family member other than parent, child. Such as cousin , grandparent , ancestor ect	Optional
Date christened	P60	Date	The date a person was christened or baptised. Especially useful when no birth date can be found	Optional
Date of Burial or Cremation	P61	Date	The date a person was buried or cremated. Especially useful when no death date can be found	Optional
Language spoken or written	P20	Item	use any instance of a language	Optional
Short Biography	P19	String	For any free text associated with authority records	Optional
Pseudonym	P24	String	Alias used by someone, often to sign creative works	Optional
Social classification	P81	Item	Social class as recognized in traditional or state law. Currently only used in conjunction with slaveholder .	Optional

Places [\[edit\]](#)

Places

<https://snarc-lgc.wikibase.cloud/>