

Introduction to Wikidata



WIKIMEDIA
DEUTSCHLAND

Léa Lacroix
Celtic Knot Conference 2019
Penryn, Cornwall

Wikidata: the basics

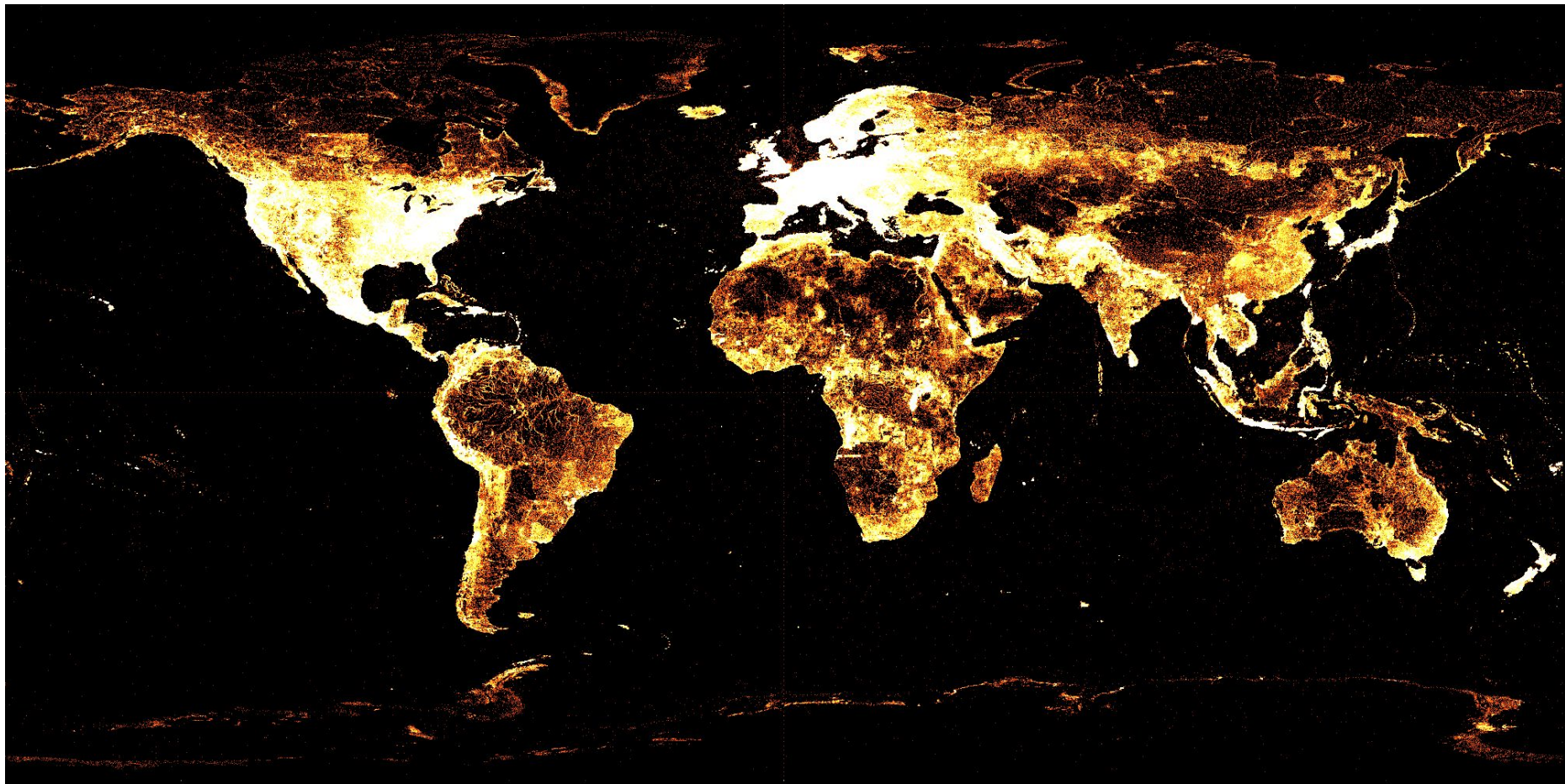


WIKIDATA

- A knowledge base
- Part of the Wikimedia projects
- Structured data
- Linked to other databases
- Multilingual
- Collaborative
- Released under public domain (CC0)
- Based on facts and references
- Made for humans and machines

A few numbers

- launched 29. October, 2012
- currently more than 56 Mio. data items
- over 20.000 active users
(with more than 1 edit per month)
- The most edited Wikimedia project

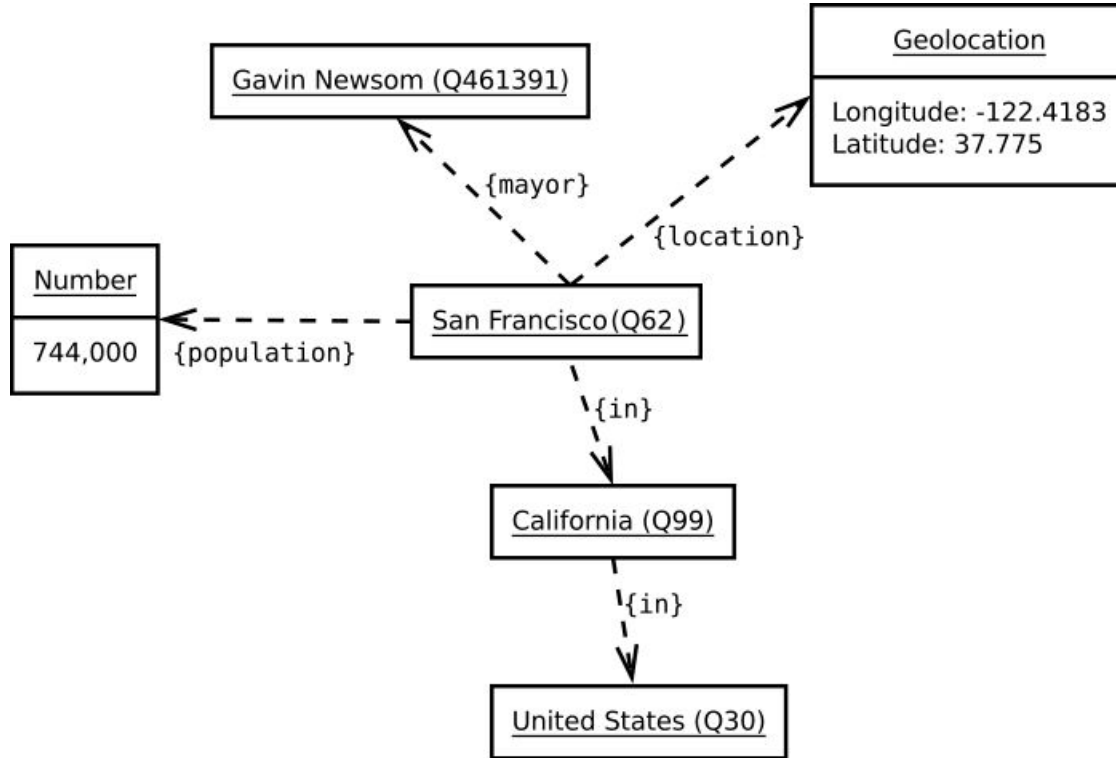


Over 56 million data items

Goals of Wikidata

- Give more people more access to more knowledge
- A free and open knowledge base that can be read and edited by both humans and machines
- To provide support inside and outside the Wikimedia projects
- To provide a freely usable repository and a hub for linked open data

Structure of the data



Let's have a look!

- Go to <http://wikidata.org>
- Search for the item “Penryn” and look at the results

Penrynn (Q1025788)...

town in Cornwall, England *Sowsnek*
Penryn | Pennrynn

chaniya

▾ In more languages

Language	Label	Description	Also known as
kernowek	Penrynn	No description defined	Penryn Pennrynn
Almaynek	Penryn	Kleinstadt im Vereinigten Königreich	
Sowsnek	Penryn	town in Cornwall, England	Penryn, Cornwall
Frenkek	Penryn	localité britannique	

All entered languages

Statements

instance of <i>Sowsnek</i>	town <i>Sowsnek</i> ...	chaniya
	▸ 1 reference	
	civil parish <i>Sowsnek</i> ...	chaniya
	▾ 0 references	+ add reference
		+ add value

Wikipedya (23 entries) chaniya

azb	پنرین، کورنوال
br	Pennrynn
ceb	Penryn (lungsod sa Hiniusang Gingharian, In glatera, Cornwall, lat 50,17, long -5,10)
cy	Penryn, Cernyw
de	Penryn (Cornwall)
en	Penryn, Cornwall
es	Penryn (Cornualles)
eu	Penryn (Kornualles)
fa	پنرین، کورنوال
fr	Penryn (Cornouailles)
ga	Penryn, Corn na Breataine
it	Penryn (Cornovaglia)
kw	Penrynn
la	Penryn
nl	Penryn
nn	Penryn
no	Penryn
pl	Penryn (Anglia)
ro	Penryn
simple	Penryn (Cornwall)
sv	Penryn
ur	پینرین، کورنوال

Wikidata: powered by the community

The Wikidata community:

- International and multilingual
- Representing diverse countries, languages, cultures
- Interested in many specific topics
- Not only editors: also reusers, coders, partners, data providers
- Some have technical skills (coding tools, scripts...)
- Some have knowledge about ontologies
- Some are editors on other Wikimedia projects, some aren't

On the Wikimedia projects

Museu del Louvre [Amaga]



museu d'art i arqueologia de França

Viquipèdia

Instància de	museu d'art
Part de	Établissement public du musée du Louvre (1 January 1993, Q11680174)
Ubicació	Palau del Louvre, París, 1r districte de París, França
Adreça	Rue de Rivoli 75058
Ubicació de la seu	Palau del Louvre (48°51′39.91″N 2°20′8.71″E)
Gestor/operador	Service des Musées de France
Data de creació o fundació	1792
Data d'obertura oficial	1793

lloc web oficial

Control d'autoritats [Amaga]

identificador VIAF: 257711507

identificador GND: 1006837-5

Augustus John

Ganwyd 4 Ionawr 1878 ✎
Dinbych-y-pysgod ✎

Bu farw 31 Hydref 1961 ✎ (83 oed)
Fordingbridge ✎

Cenedl Cymru

Alma mater Ysgol Gelfyddyd Gain Slade

Galwedigaeth arlunydd, ysgythrwr ✎

Gwaith nodedig Madame Suggia, Man met pijp ✎

Arddull portread ✎

Priod Dorelia McNeill, Evelyn St. Croix Fleming ✎

Plant Amaryllis Fleming ✎

Teulu Gwen John ✎

Delwedd	Teitl y llun	Dyddiad	Casgliad	Wicidata
	Dorelia with a feathered hat	1906	Amgueddfa Fitzwilliam	Q50821498
	W.B. Yeats	1907	Orielau Tate Yr Oriel Genedlaethol	Q28545299
	David and Dorelia in Normandy	1908	Amgueddfa Fitzwilliam	Q50820156
	Sir William Nicholson	1909	Amgueddfa Fitzwilliam	Q50820844
	Portrait of Caspar	1909	Amgueddfa Fitzwilliam	Q50820847
	Boy on a Cliff Leaning on a Stick	1910	Q1568434	Q49202622
	A Woman Reading - Provençal Study	1910	Q1568434	Q49202704
	Dorelia and the children at Martigues	1910	Amgueddfa Fitzwilliam	Q50813261
	Woman with a daffodil	1910	Amgueddfa Fitzwilliam	Q50820843
	Girl leaning on a stick	1910	Amgueddfa Fitzwilliam	Q50821494
	The Blue Pool	1910	Amgueddfa Fitzwilliam	Q50821497
	Portrait of a Woman	1911	Orielau Tate Yr Oriel Genedlaethol	Q28540968
	Dorelia by the caravan	1911	Amgueddfa Fitzwilliam	Q50820161
	Robin	1912	Orielau Tate Yr Oriel Genedlaethol	Q28533250
	David and Caspar	1912	Amgueddfa Fitzwilliam	Q50817280
	Dorelia wearing a turban	1912	Amgueddfa Fitzwilliam	Q50820165
	Pen merch mewn penwisg gwyn	1913	Amgueddfa Gelf Philadelphia	Q20816527

Article Placeholder

Siege of Sidney Street

siege

enghraifft o'r canlynol

[Gwarchae](#)

label yn yr iaith frodorol

Siege of Sidney Street

gwladwriaeth

[Y Deyrnas Unedig](#)

lleolir yn yr ardal weinyddol

East End of London

cyfesurynnau'r lleoliad

51°31′5.66″N, 0°3′19.76″W﻿ / ﻿

pwynt mewn amser

3 Ionawr 1911

categori Comin

[Siege of Sidney Street](#)



Adnoddau allanol

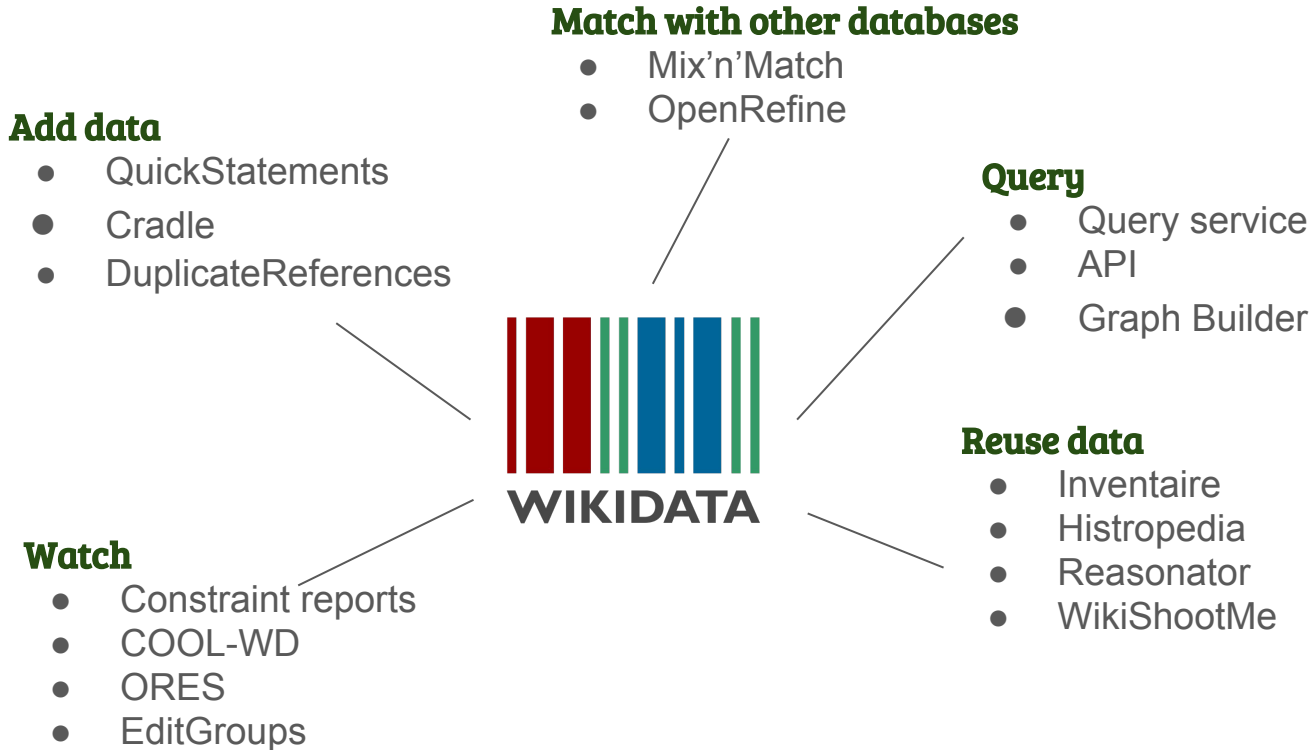
dynodwr Freebase [/m/02v33b^{\[1\]}](#)

YouTube video ID [v0wPKpAVDGE](#)

Cyfeiriadau

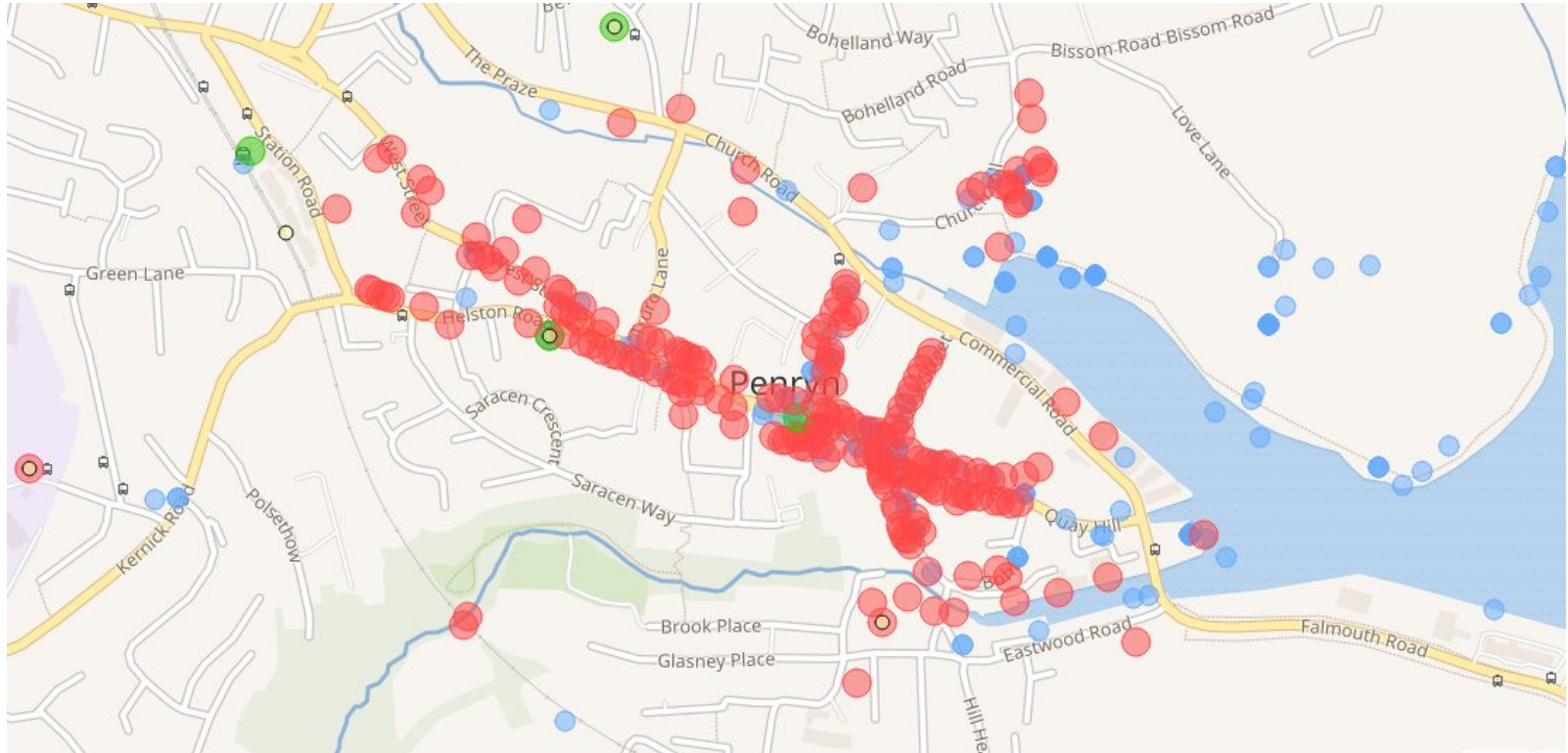
- ↑ Freebase Data Dumps, 28 Hydref 2013

A galaxy of tools



...and way more: <https://www.wikidata.org/wiki/Wikidata:Tools>

WikiShootMe



<https://tools.wmflabs.org/wikishootme>

Wikidata Guessr

Current Round: 1/5
Last Round Score: 0
Total Score: 0
[View project on GitHub](#)
Start new game...

Leuflet | Map data © OpenStreetMap contributors

Make Your Guess

<http://guessr.morr.cc/>

Query Service



<https://query.wikidata.org/> - Train stations at 100km from Penryn [query](#)

Poets whose fathers were lawyers



commons:Philip il Giovane.jpg
Q: Philip the Younger



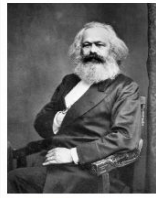
commons:Judith Herzberg onhangl...
Q: Judith Herzberg



commons:Gladys May Casey Hayford.jpg
Q: Gladys Casey Hayford



commons:Herbert Asquith (1881-1947)...
Q: Herbert Asquith



commons:Karl Marx 001.jpg
Q: Karl Marx



commons:Mario de alencar (propped)g1
Q: Mario de Alencar



commons:Edmond de la Fontaine...
Q: Cloke



commons:JK Stephen.jpg
Q: James Kenneth Stephen



commons:Elizabeth Alexander 8738.JPG
Q: Elizabeth Alexander



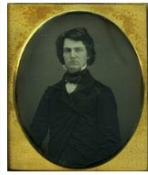
commons:Emily Dickinson daguerotype (P...
Q: Emily Dickinson



commons:Fredgood Shrove...
Q: Fredgood Shrove



commons:Richard henry dana...
Q: Richard Henry Dana, Sr.



commons:William Austin Dickinson (1823...
Q: William Austin Dickinson



commons:Portrait Auguste.jpg
Q: Louis Auguste



commons:Henry Wadsworth Longfello...
Q: Henry Wadsworth Longfellow



commons:Josef Václav Fric Zášafský...
Q: Josef Václav Fric



commons:Luita Reinser.jpg
Q: Luita Reinser



commons:Edmond Rostand.jpg
Q: Edmond Rostand



commons:Andre Ferdinand Herold by ...
Q: Andre Ferdinand Herold



commons:Auguste.jpg
Q: Ernst August



commons:Strogopkina-Kuznetsov by Regi...
Q: Tatiana Strogopkina-Kuznetsov



commons:Angelina Weld Grimké.jpg
Q: Angelina Weld Grimké



commons:Adelaide Anne Procter by Emma...
Q: Adelaide Anne Procter



commons:Edmund Wilson.jpg
Q: Edmund Wilson



commons:Anne Crocker with unake...
Q: Anne Crocker



commons:Samuel Mims Peck cropped.jpg
Q: Samuel Mims Peck



commons:GonzalezPrada.jpg
Q: Manuel González Prada



commons:Jorge Luis Borges 1951. by Gr...
Q: Jorge Luis Borges



commons:Key Francis Scott.LDC.jpg
Q: Francis Scott Key



commons:Yukio Mishima 2.jpg
Q: Yukio Mishima



commons:Ivana Brlic-Mazuranec II.jpg
Q: Ivana Brlic-Mazuranec



commons:Hunyadi lászló sz jr dep...
Q: Hunyadi László



commons:Luis Montano 1915.png
Q: Luis Montano Baumanstein



commons:Sándor Márai.png
Q: Sándor Márai



commons:Josep Maria de Sagarra.JPG
Q: Josep Maria de Sagarra



commons:Konstantinos Tsouros.JPG
Q: Konstantinos Tsouros



commons:SirkkaLiisa Tuomola by Gelinev...
Q: Sirkka-Liisa Tuomola



commons:LohvikaMarias Mäkelä...
Q: Lohvika-Maria Mäkelä



commons:Terttu Chroustoff.jpg
Q: Terttu Chroustoff

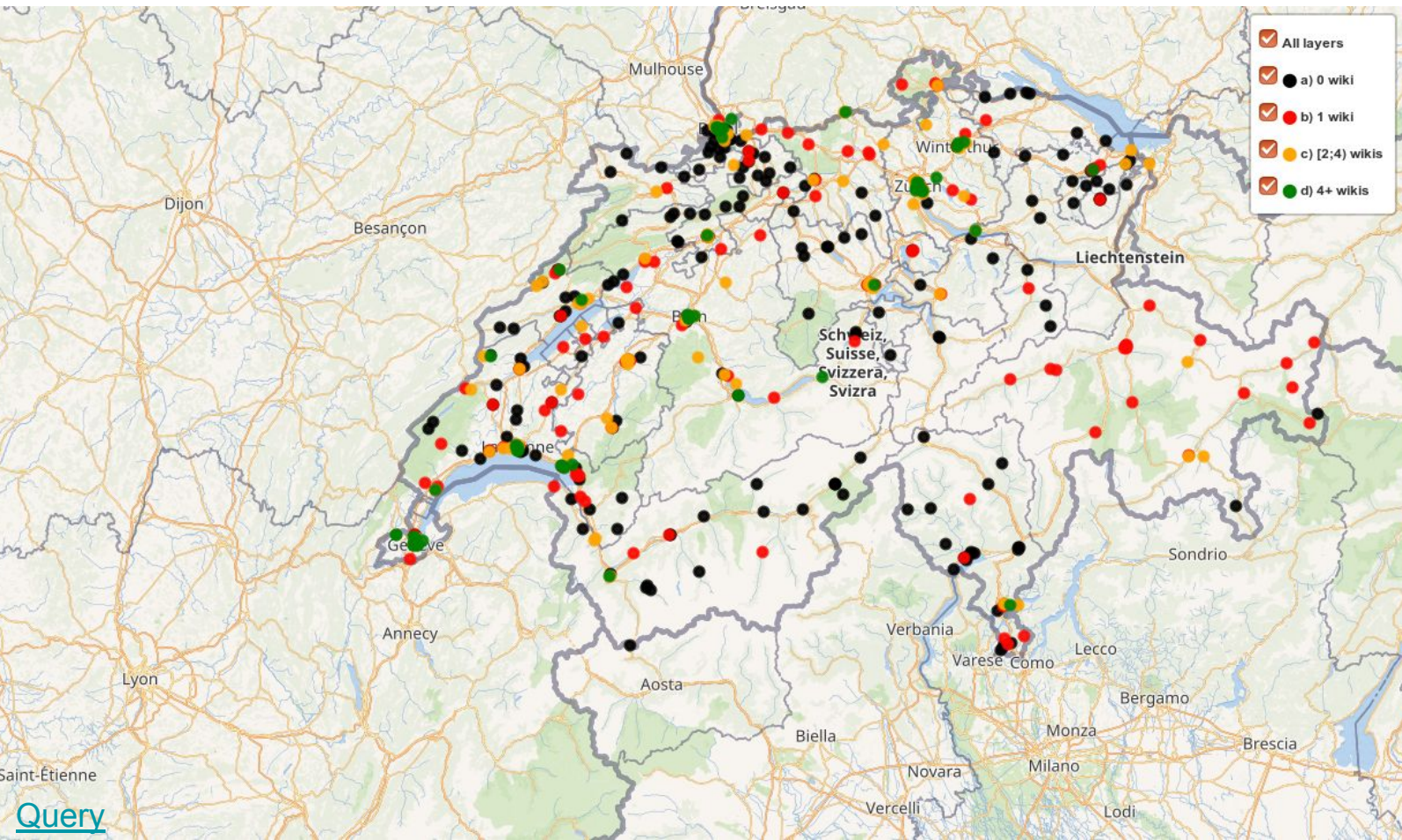


commons:Hans Holberr the Younger - Sir Tho...
Q: Thomas More

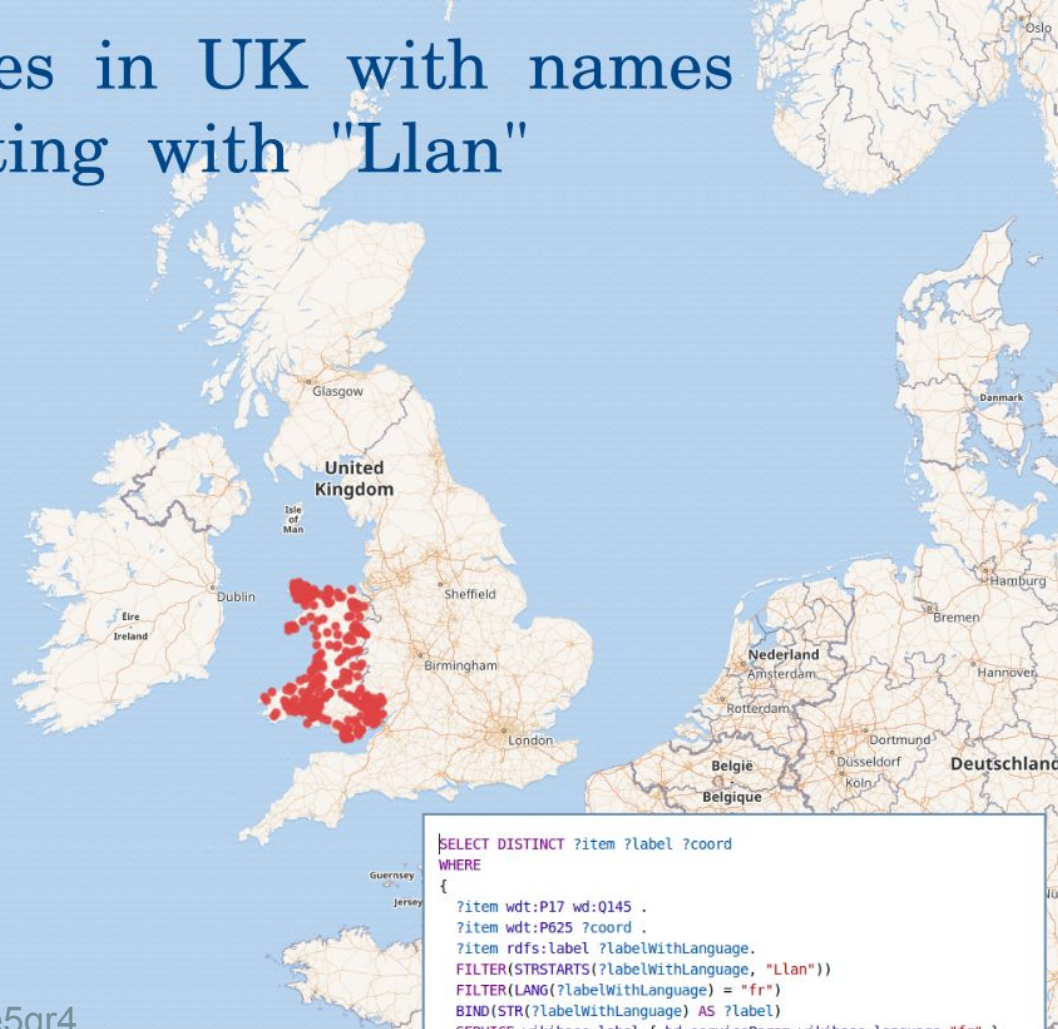


commons:The Kemppinen Reception Belie...
Q: Jukka Kemppinen

Museums in Switzerland colored by number of Wikipedia articles



Places in UK with names starting with "Llan"

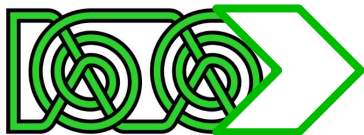


```
SELECT DISTINCT ?item ?label ?coord
WHERE
{
  ?item wdt:P17 wd:Q145 .
  ?item wdt:P625 ?coord .
  ?item rdfs:label ?labelWithLanguage.
  FILTER(STRSTARTS(?labelWithLanguage, "Llan"))
  FILTER(LANG(?labelWithLanguage) = "fr")
  BIND(STR(?labelWithLanguage) AS ?label)
  SERVICE wikibase:label { bd:serviceParam wikibase:language "fr" }
}
```

Query: <http://tinyurl.com/y7ce5qr4>

Explore Wikidata!

To learn more about the Query Service:

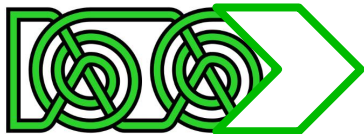


SPARQL workshop

by Nicolas Vigneron

Friday, 11:40 am

Seminar room W



Query booth

Request a query and get help

Friday, 2pm

Chapel Lecture Theater

Lexicographical data

- Wikidata is not only about concepts but also words
- Describing words and phrases in many languages
- Difference with Wiktionary: Wikidata provides structured data
- Potential reuses: dictionaries, translation, research, games...
- Support minority languages!

More documentation: [slides](#), [portal](#)

The image shows two Wikidata entries. The top entry is for 'Genver' (L8176), a Cornish noun. It has a statement 'derived from' with the value 'Januarius' and 0 references. The bottom entry is for 'January' (L8176-S1), a sense of the Cornish word 'Mis'. It has a statement 'item for this sense' with the value 'January' and 0 references. Both entries have edit, add reference, and add value buttons. The bottom entry also has an add statement button and an add Form button.

(L8176) **Genver** edit
kw
Language Cornish
Lexical category noun

Statements

derived from Januarius edit
0 references
[+ add reference](#)
[+ add value](#)
[+ add statement](#)

Senses

L8176-S1 | Cornish Mis edit

Statements about L8176-S1

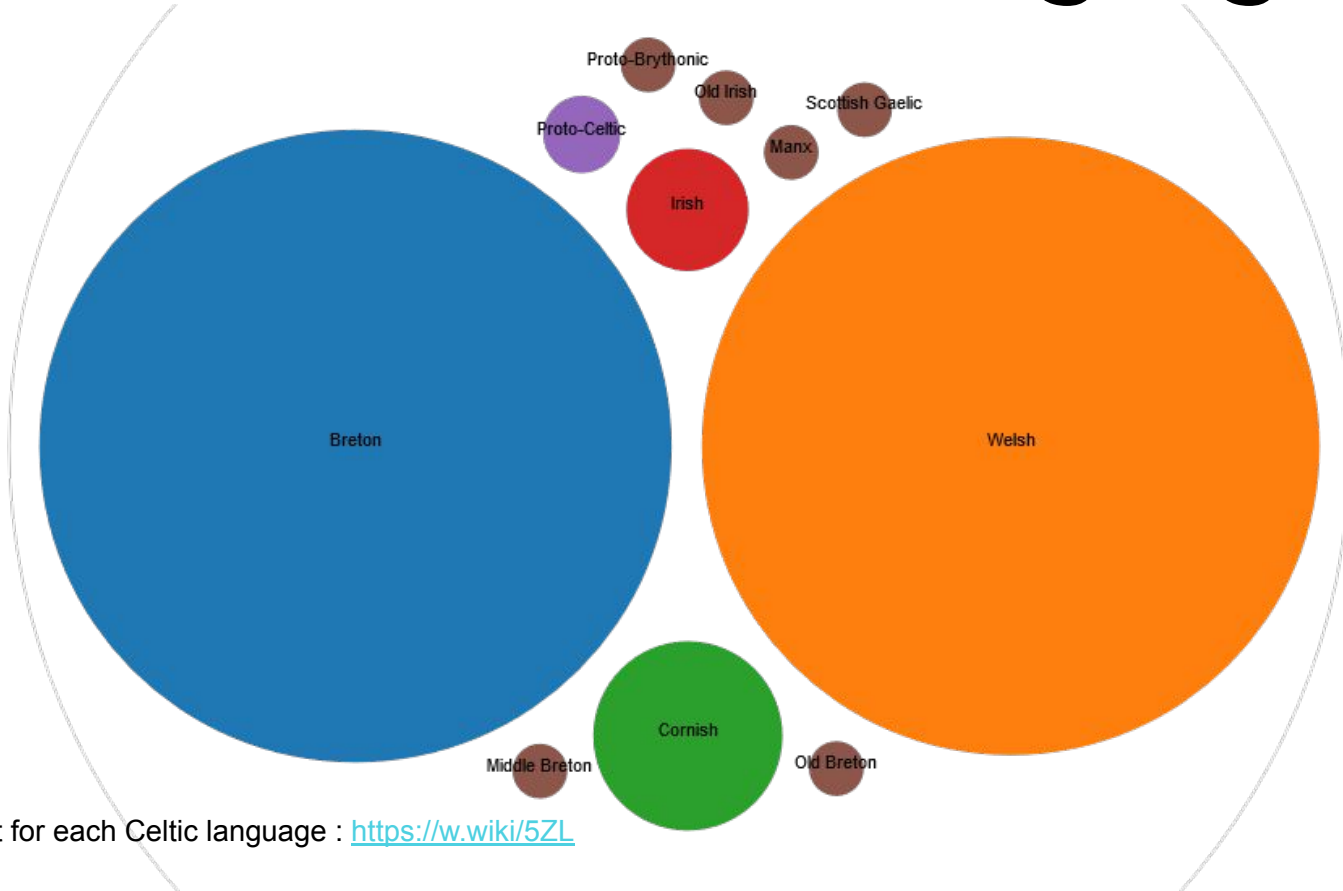
item for this sense January edit
0 references
[+ add reference](#)
[+ add value](#)
[+ add statement](#)

[+ add Sense](#)

Forms

L8176-F1 | Genver kw edit
Grammatical features
Statements about L8176-F1
[+ add statement](#)
[+ add Form](#)

Lexemes in Celtic languages



Lexemes count for each Celtic language : <https://w.wiki/5ZL>

Where to get information?

- Help portal wikidata.org/wiki/Help:Contents
- Project Chat wikidata.org/wiki/Wikidata:Project_chat
- Mailing-list lists.wikimedia.org/mailman/listinfo/wikidata
- Weekly Summary https://www.wikidata.org/wiki/Wikidata:Status_updates
- Social media:
 - Twitter @Wikidata
 - Facebook group “The Wikidata community”
 - Telegram
 - IRC #Wikidata

Questions?



WIKIMEDIA
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Thank you!



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