

Building a Wikibase.cloud instance for internal knowledge, which exists alongside Wikidata

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Wikidata Modeling Days 2023

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What?



Linked data for a chapter's internal knowledge

Project

- annual projects
- externally financed projects
- community projects

Event

- edit-a-thons
- lectures
- seminars
- workshops

Organization

- Wikimedia affiliates
- GLAMs
- schools and universities

Topic

- art history
- authority data
- fundraising
- artificial intelligence

Document

- final reports
- slide decks
- educational materials
- project applications

Why?



Current situation

Our internal wiki –

<https://se.wikimedia.org>

Combination of structured templates and free text.

The screenshot displays the internal wiki interface for Wikimedia Sverige. The main page is titled "Projekt:GLAM 2022/Global Metrics" and includes a navigation sidebar, a table of contents, and a list of subcategories. A detailed "Core metrics" table is overlaid on the right side of the page.

WIKIMEDIA SVERIGE

Projekt: **GLAM 2022/Global Metrics**

Datum: 2022-04-06

Info-länk: [Dashboard](#)

Vem: Axel Pettersson

Upplevda problem/svårigheter/buggar

Resultat: Workshop som uppföljning till tidigare presentation om Wikipedia. Gen uppladdning av bilder.

Core metrics					[Collapse]
PARTICIPATION (COMMUNITY) 1					
		♀	♂	?	
Number of participants 1	7	0	0	0	
Number of editors 1	6	0	0	0	
Number of organizers 1	1	1	0	0	
CONTENT					
Number of content contributions per Wikimedia project 1	22	2	0	0	

Kategori:Projekt 2022

Subcategories

This category has the following 28 subcategories, out of 28:

- B
 - Buggrapportering och översättning 2022 (6 P)
- E
 - En gemenskap för alla 2022 (1 C, 6 P)
 - Erfarenhetsutbyte 2022 (8 P)
 - Experimentella partnerskap 2022 (4 P)
- F
 - FOSS för föreningen 2022 (5 P)
 - Föreläsningar 2022 (7 P)
- K
 - Internationell upphovsrätt 2021 (11 P, 1 F)
 - Internationell upphovsrätt 2022 (5 P)
- N
 - Nordiska museet 2022 (5 P, 1 F)

Where have we organized the most of our events?

What have we published about endangered cultural heritage in English?

Which art museums have we hosted edit-a-thons together with?

Which public agencies have we helped contribute to Wikidata?

How?



Why Wikibase Cloud?

- Low barrier to entry
- Accessible to others
- No need to set up and maintain our own infrastructure

...or would Wikidata be better?



Financing

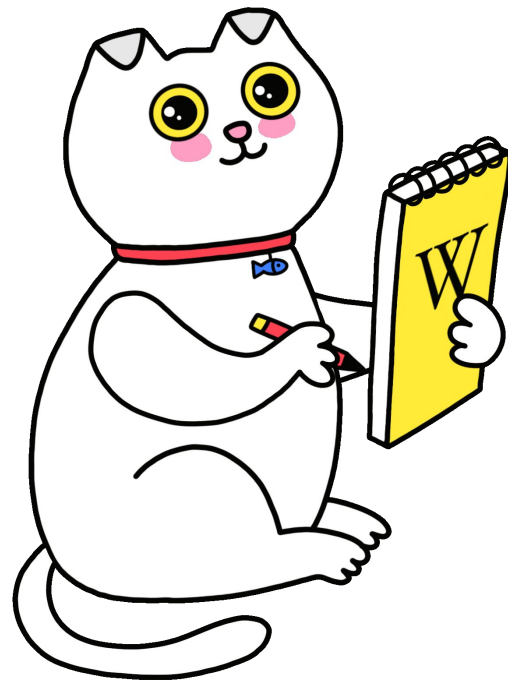
The work is partially funded by a **Movement Strategy Implementation Grant**.

Part of our investment in capacity building in the Content Partnerships Hub – improving the infrastructures available to the community.

Preparatory work

Basic modeling created
through discussions.

Big questions: distilling
everything to some basic types:
event, document, project...



<https://metabase.wikibase.cloud/wiki/Modelling>

Modelling an event [redigera]

Examples of types of activities and events: [workshop \(Q37\)](#), [lecture \(Q65\)](#), [conference \(Q42\)](#).

It is valuable to indicate whether an event took place physically or was online (or hybrid). That's why the item should have two [instance of \(P5\)](#), one for the type of the event ([conference \(Q42\)](#), [edit-a-thon \(Q41\)](#)...) and one for how it was conducted (see list of possibilities in table below).

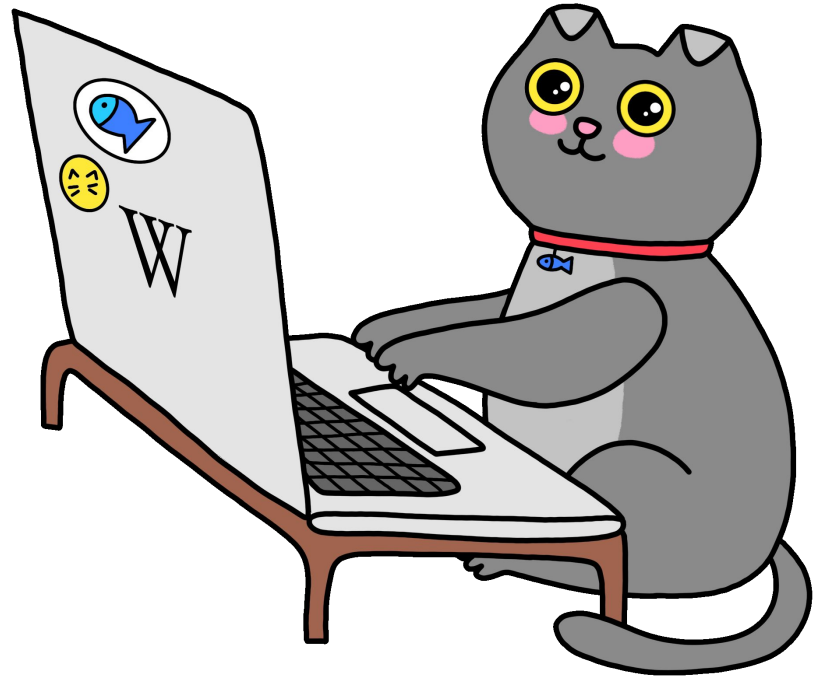
Properties used [redigera]

Required	Property	Example value	Notes
IF EXISTS	sameAs on Wikidata (P1)	Q123	
REQUIRED	instance of (P5) (describing the type of event)	workshop (Q37)	Should be a subclass of event (Q40) . See all available ↗ .
REQUIRED	instance of (P5) (describing how the event is held)	hybrid event (Q79)	Should be one of: <ul style="list-style-type: none">• in-person event (Q80)• hybrid event (Q79)• online event (Q81)
REQUIRED	point in time (P585)	2022-04-31	When the event took place

Data input

An intern is filling Metabase with data.

Iterative work testing the limits of the modeling and improving it together.



The good



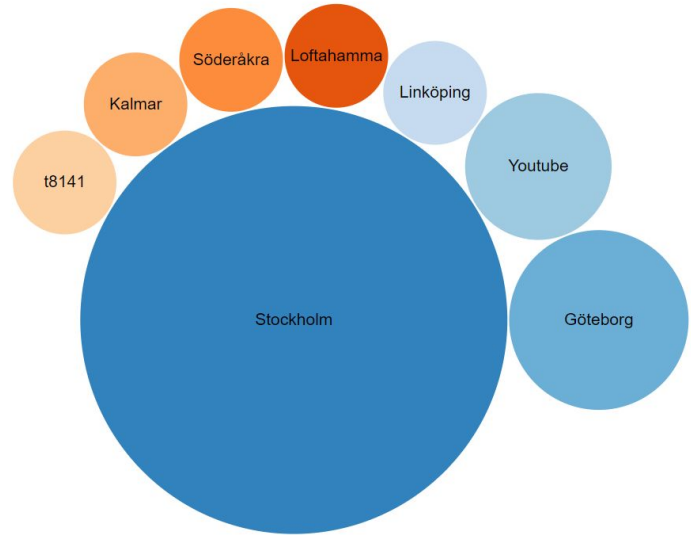
Insight: where do we have our events?

Query Service: metabase.wikibase.cloud

Examples

More tools

```
1 #Most common locations for WMSE events
2 PREFIX wb: <https://metabase.wikibase.cloud/entity/>
3 PREFIX wbt: <https://metabase.wikibase.cloud/prop/direct/>
4 #defaultView:BubbleChart
5 SELECT ?location ?locationLabel (COUNT(DISTINCT ?item) AS ?count)
6 WHERE
7 {
8   ?item wbt:P5/wbt:P4* wb:Q40 .
9   ?item wbt:P27 ?location.
10  ?item wbt:P14 wb:Q9.
11  SERVICE wikibase:label { bd:serviceParam wikibase:language "sv,en". }
12 }
13 GROUP BY ?location ?locationLabel
14 ORDER BY DESC(?count)
```



QUERY

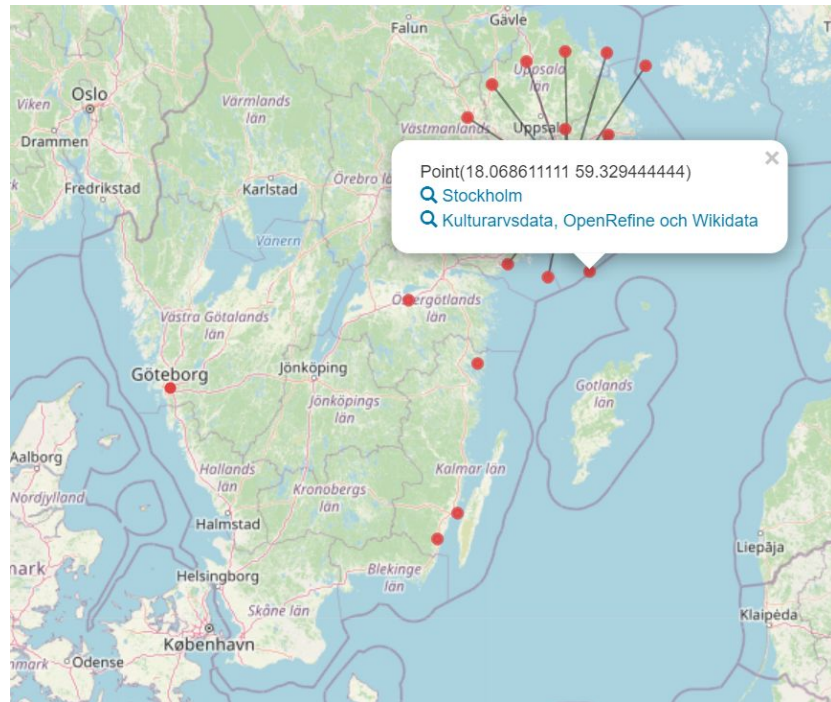
Wikidata federation

Query Service: metabase.wikibase.cloud

Examples

More tools

```
1 #Map of all event locations
2 PREFIX wb: <https://metabase.wikibase.cloud/entity/>
3 PREFIX wbt: <https://metabase.wikibase.cloud/prop/direct/>
4 #defaultView:Map
5 SELECT DISTINCT ?item ?itemLabel ?place ?placeLabel ?coords
6 WHERE
7 {
8   ?item wbt:P5/wbt:P4* wb:Q40 .
9   ?item wbt:P27 ?place.
10  ?place wbt:P1 ?wikidataQ.
11  BIND(URI(concat("http://www.wikidata.org/entity/", ?wikidataQ)) AS ?wikidata_iri)
12
13  SERVICE <https://query.wikidata.org/sparql> {
14    ?wikidata_iri wdt:P625 ?coords.
15  }
16  SERVICE wikibase:label { bd:serviceParam wikibase:language "sv,en". }
17 }
```



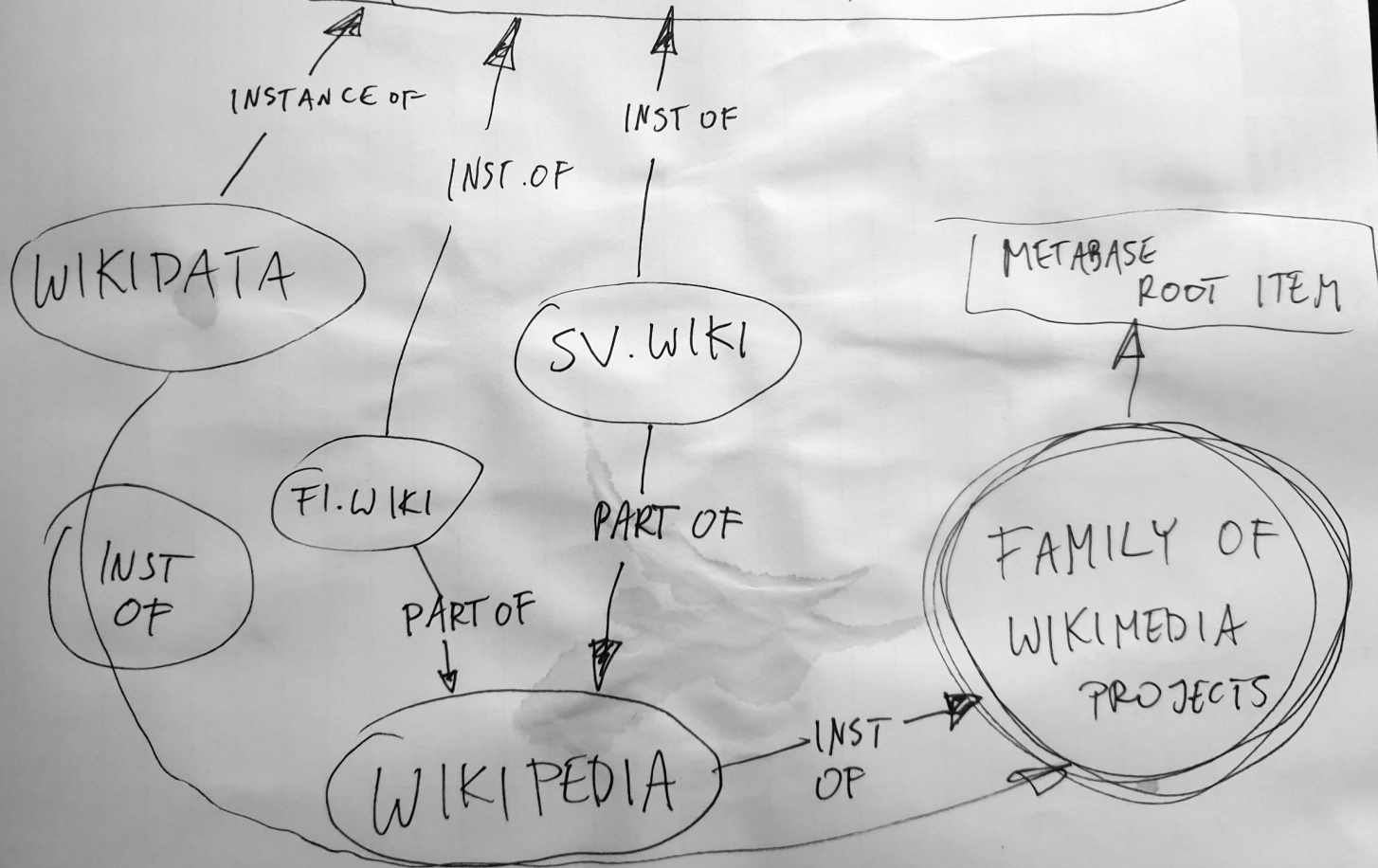
QUERY

...and the bad



Ontology is hard

WIKIMEDIA CONT. PROJECT

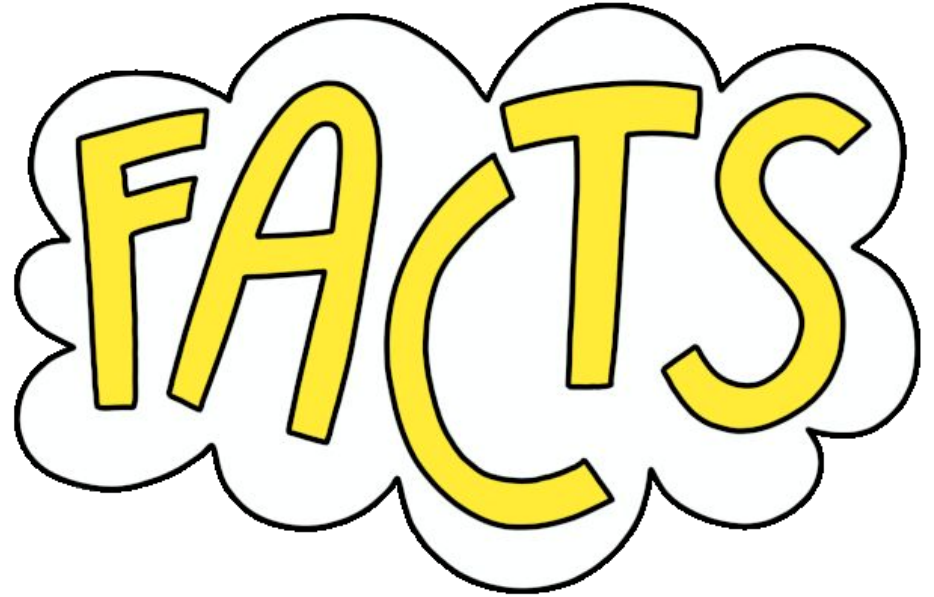


The big things

Is the chapter's wiki detailed and well-organized enough?

How close to Wikidata do we want to be?

WMSE is not the whole world.



FACTS

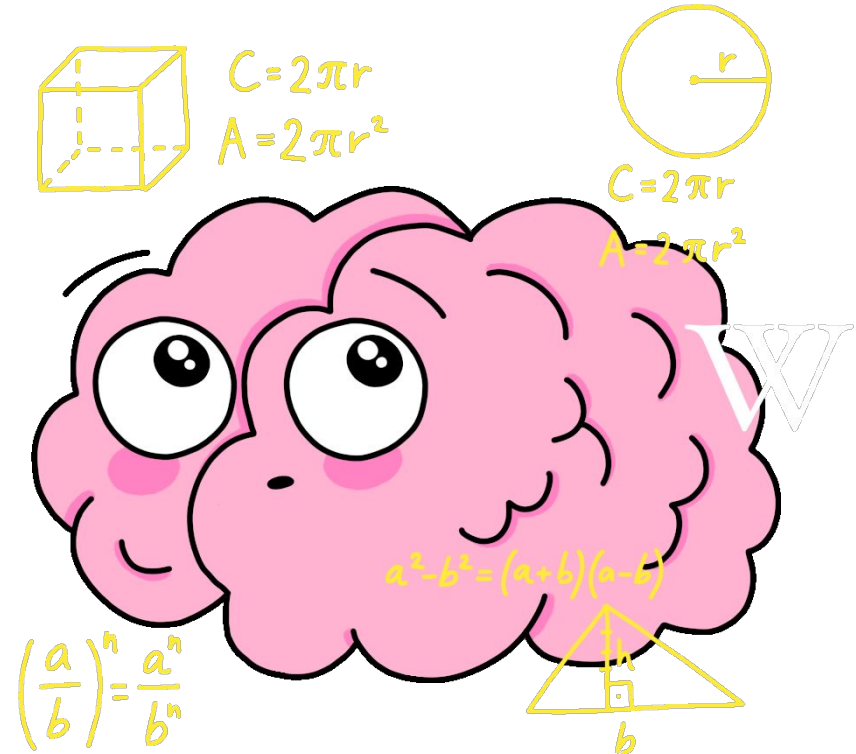
This is not Wikidata

Some things we've been missing:

- gadgets and user scrips
- sitelinks
- property constraints
- Extension:WikibaseCirrusSearch:

it's not possible to run searches like

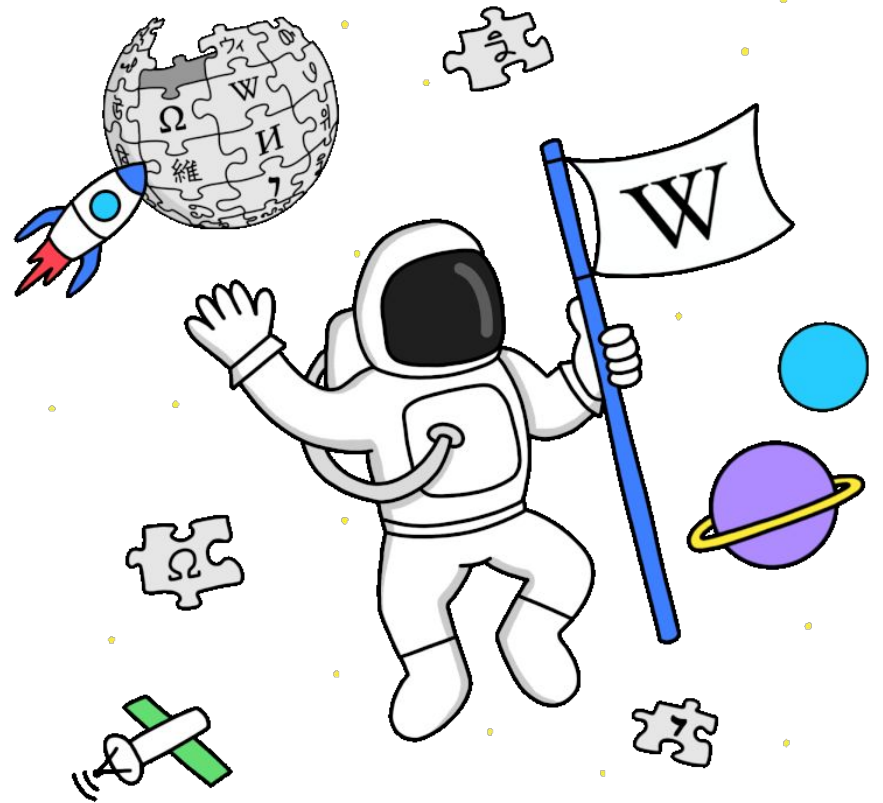
haswbstatement:P180=Q146



The future?

A platform for sharing educational resources that can be re-used.

Share data about projects that impact several local communities.



Tatyana [redigera]

Tatyana, 27, is a project manager in a Wikimedia chapter in Eastern Europe. Tatyana has a background with political work and is an avid reader. At the chapter she works with both political lobbying and through the Helpdesk initiative she coordinates hands-on support for affiliates and volunteers that are interested in forming content partnerships.

Tatyana has contributed information to Wikidata for years and can also create simple SPARQL queries. In her position she receives requests of all types and must coordinate with many stakeholders to identify material. Her time to add the data herself is limited, but she should be able to meet with the Metabase support team regularly to share priorities of what material is often asked for, so that the team can make targeted efforts to support the requests by collating the data. The material that is relevant to be added based on the specific Helpdesk request has been identified by the Helpdesk working group(s). The Metabase support team would work with Tatyana to add structured data about material that is covering a topic that someone has searched for and sent a question to the Helpdesk about.

Goals for usage

- Identifying both key arguments used by other affiliates in their contacts with politicians and to identify supporting research to convince politicians about our point of view.
 - Questions/requests they might want to ask Metabase:
 - Give me all documents on the topics with the two keywords AI and Lobbying as well as all events on these topics that have video recordings or notes.
- Providing relevant and up-to-date material connected to the different questions to the Helpdesk.
 - Questions/requests they might want to ask Metabase:

Get involved

Have you dealt with technical limitations of Wikibase Cloud yourself?

Balance between Metabase and Wikidata?

What would your affiliate need to get started and contribute with your own data?

Get involved

Later today: Data
modelling clinic on

Budgets and financing!

Thank you!

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