

Wondrous World of Wikibase

Wikidata Days 2023

Alan Ang
Partner Manager



WIKIMEDIA
DEUTSCHLAND

Session outline...

- About Wikimedia Deutschland
- What is.. Linked Open Data?
- Wikidata - the largest open data knowledge graph
- A look at the software in the heart of Wikidata: Wikibase
- Wikibase, Cultural Heritage Institutions and the Linked Open Data Web
- An in-depth examination of use cases
- Interactive discussion with participant's use cases experiences



...and a few words about the presenter



[Alan Ang](#), Partner Manager

- responsible for connecting with global institutions and organizations, and onboarding them to Wikidata and Wikibase.
- point of contact and information exchange for Partners, WMDE's software department, and Wiki Communities.
- love working with socially-minded people and organizations, especially on issues relating to opening, diversifying, decolonizing and democratizing knowledge.

Software Development

Wikimedia Deutschland aims to give **everyone free access to more knowledge** by delivering innovative and useful open-source software.

We develop and maintain **Wikibase** and **Wikidata**, that are run on the servers of the Wikimedia Foundation.

To ensure we build the right products, **users must play a central role** in our product development processes. We adopt a **community-centered development approach** where our community of users informs product development, and us building transparency around our work.



Our Linked Open Data vision

“We work towards a future in which people share the power to collect and organize the data that shapes humanity's understanding of the world.

*Diverse communities around the world participate in Wikidata and in a network of specialized Wikibases, co-creating an **open and free** global knowledge graph in a thriving **Linked Open Data** web.*

This is the basis upon which people, companies and institutions of all sizes can generate new insights, build new apps and services, and change the world for the better.”



Source: [Wikimedia Linked Open Data Strategy 2021](#)

Linked Open Data



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Linked Open Data

=

Linked Data + Open Data

Open Data

...Data which is **released under an open license**, which does not impede its **reuse for free**.

Sir Tim Berners-Lee

...Data that is openly accessible, exploitable, editable and shared by anyone for any purpose.

https://en.wikipedia.org/wiki/Open_data



Linked Data

Wikipedia

Wikipedia article for Maya Angelou. The page includes a navigation sidebar on the left, a main content area with a green box around the introductory paragraph and a red box around the infobox, and a table of contents at the bottom. The infobox contains a photograph of Maya Angelou and her biographical details.

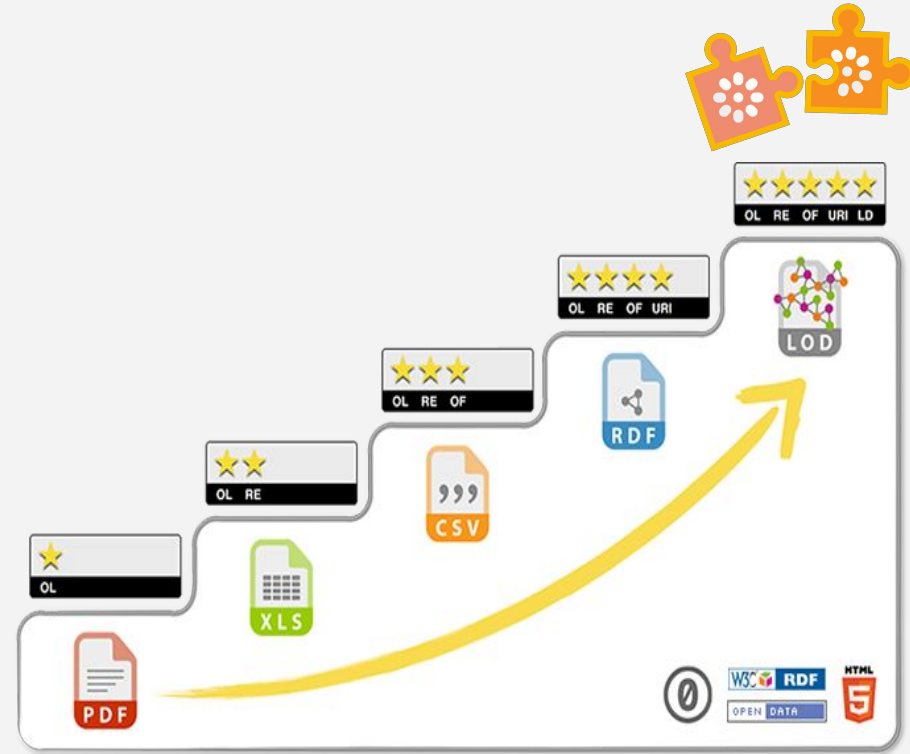
Wikipedia article for Maya Angelou. The page includes a navigation sidebar on the left, a main content area with a green box around the introductory paragraph and a red box around the infobox, and a table of contents at the bottom. The infobox contains a photograph of Maya Angelou and her biographical details.

Wikidata

Wikidata page for Maya Angelou (Q11526). The page shows the Wikidata item name, description, and various data points such as instance of, image, sex or gender, and country of citizenship. The page is in English and includes a search bar and navigation links.

5* Open Data Model

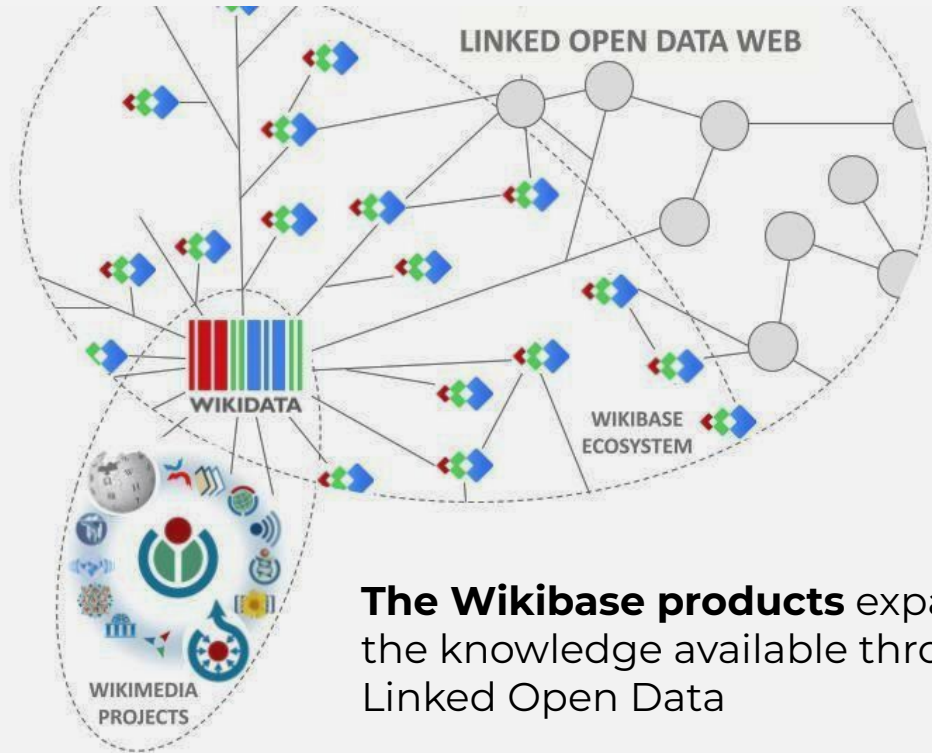
- ★ make your stuff available on the Web (whatever format) under an open license
- ★★ make it available as structured data (e.g., Excel instead of image scan of a table)
- ★★★ make it available in a non-proprietary open format (e.g., CSV instead of Excel)
- ★★★★ use URIs to denote things, so that people can point at your stuff
- ★★★★★ link your data to other data to provide context



Sir Tim Berners-Lee's 5-star Open Data. (o. D.). <https://5stardata.info/en/>

Wikidata and the Wikibase ecosystem are the foundation of our Linked Open Data work

Wikidata provides data and an ontology that others can use, and build upon.



The Wikibase products expand the knowledge available through Linked Open Data

Wikidata



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Wikidata: the basics

- **Wikimedia project** started in 2012
- **Free** and **open** knowledge base
- Contains **structured data**
- **Linked** to other databases
- Data available under **CC0 licence**
- Based on **statements** and **references**
- Made for **humans** and **machines**
- **Multilingual**
- **Collaborative**



How is data modeled?

Users model the world in terms of “triples”.

Triple structure: **Item, Property, Value**



Maya Angelou (Q19526)

Item identifier (Q item)

American poet and author (1928-2014)

 edit

Marguerite Annie Johnson | Marguerite Johnson | Marguerite Ann Johnson | Marguerite Anne Johnson

[▶ In more languages](#)

Statements

Property — instance of

human

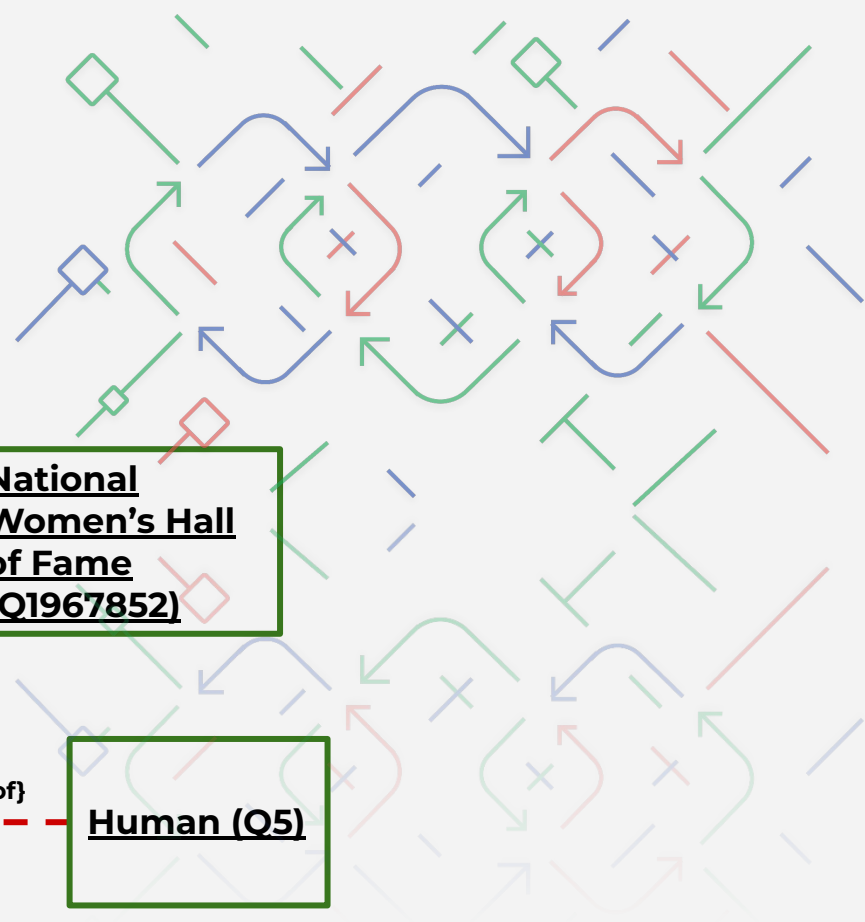
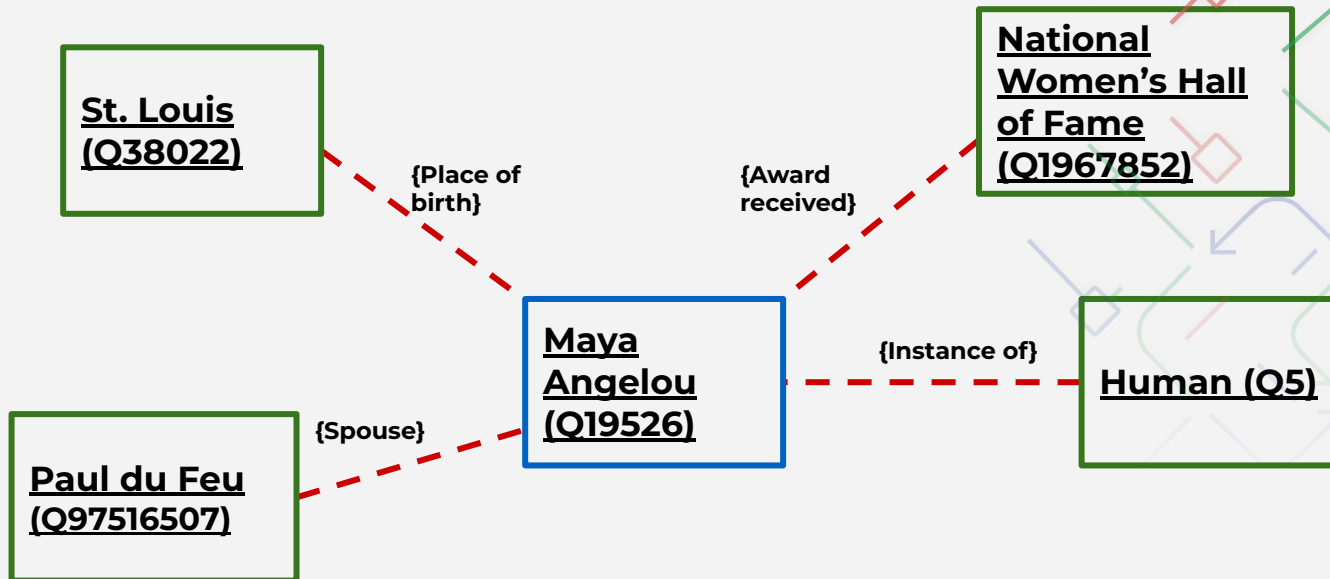
Value

 edit

[▶ 1 reference](#)

[+ add value](#)

How is data modeled?



Querying Wikidata



Wikidata Query Service

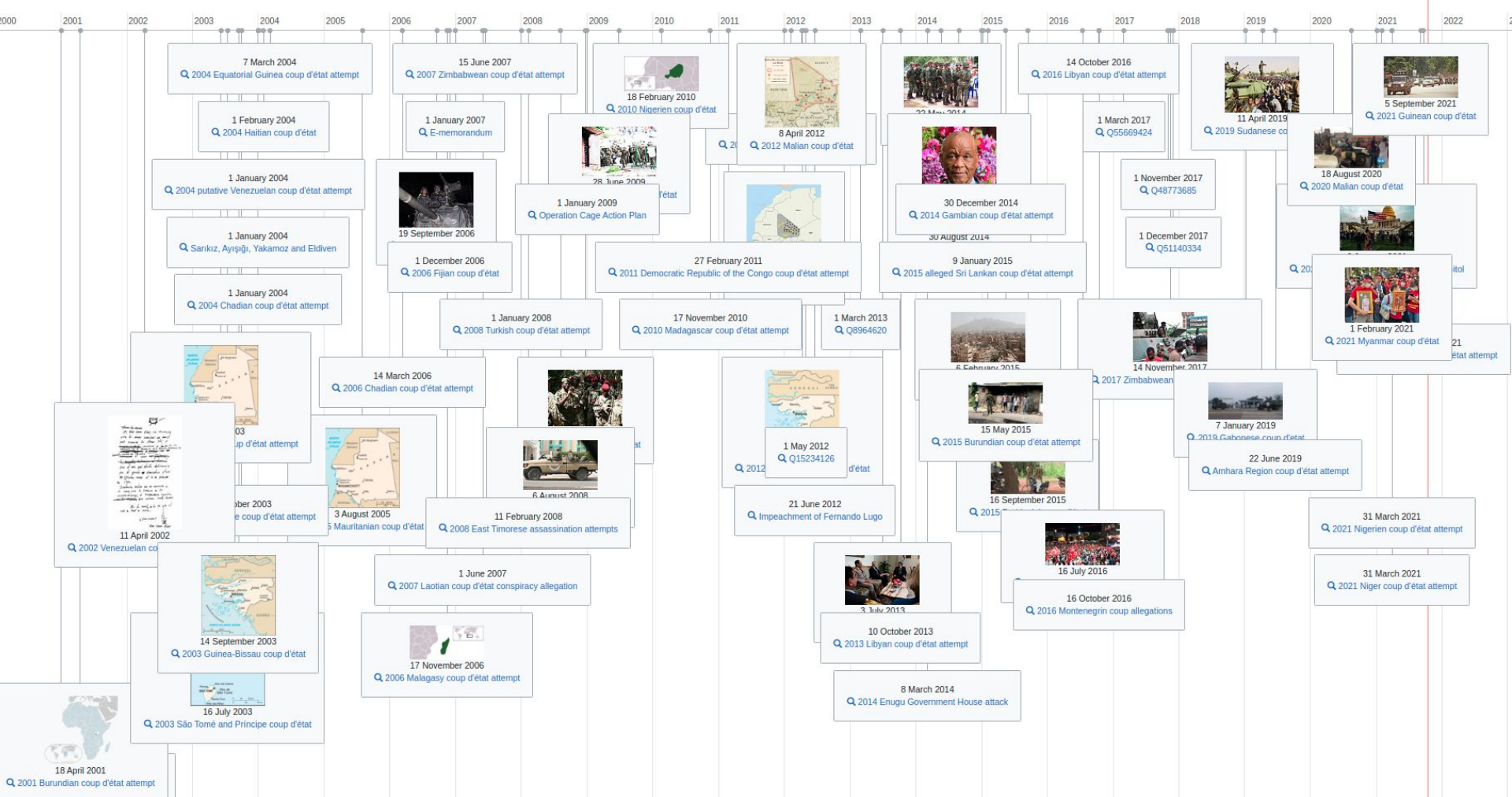
Examples Help More tools

```
1 #defaultView:Map
2 SELECT ?item ?itemLabel ?coord ?image
3 WHERE
4 {
5   ?item wdt:P708 wd:Q869096.
6   ?item wdt:P625 ?coord.
7   OPTIONAL {
8     ?item wdt:P18 ?image
9   }
10  SERVICE wikibase:label { bd:serviceParam wikibase:language "en". }
11 }
```

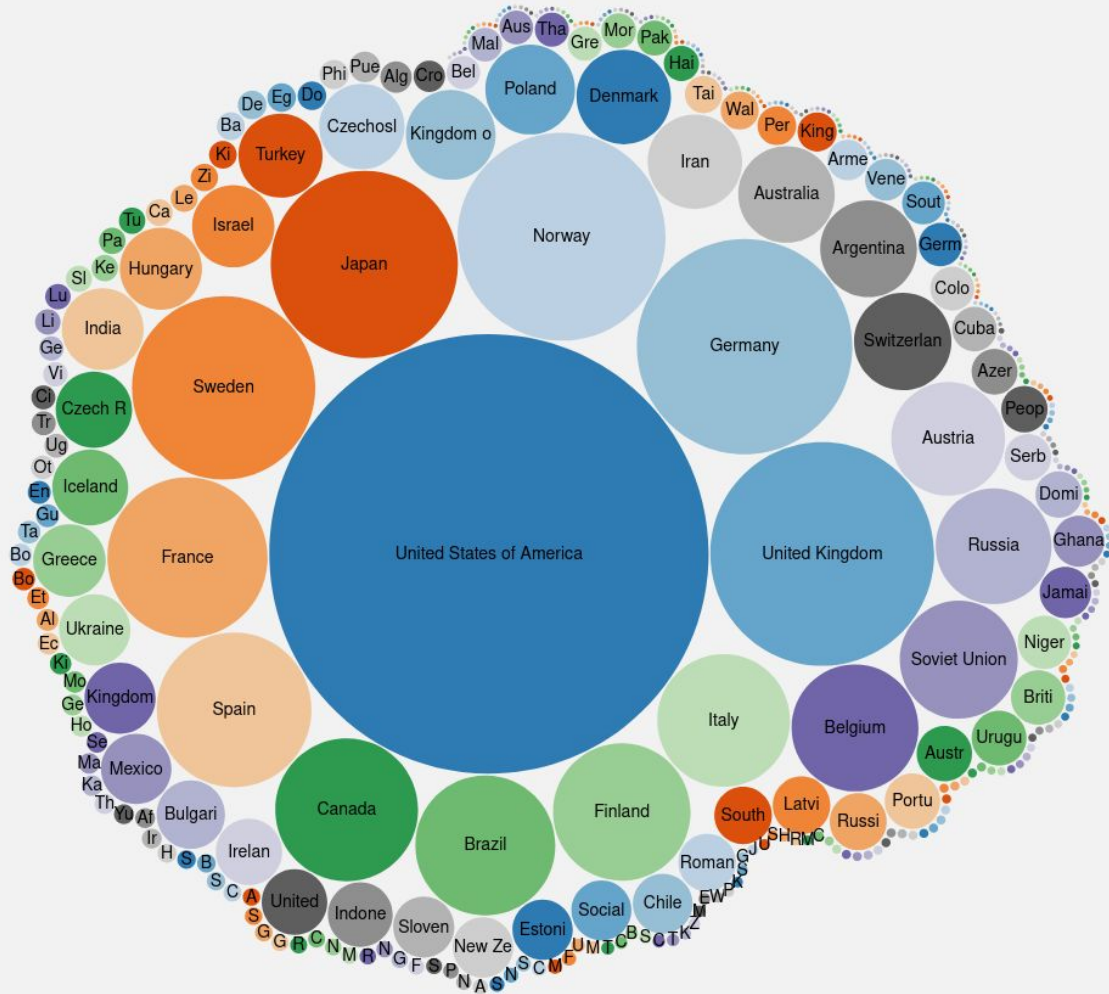
14 results in 183 ms

Code Download Link

A map of the Aalter region in Belgium. A red pin is placed on the map, and a pop-up window shows a photograph of Saint Bavo Cathedral. The pop-up window contains the text: "Point(3.726667 51.053056)" and "Saint Bavo Cathedral". The map shows various towns and roads, including Aalter, Bellem, and Lovendegem.



Example Wikidata query: [timeline of coups d'état during the 21st century](#)



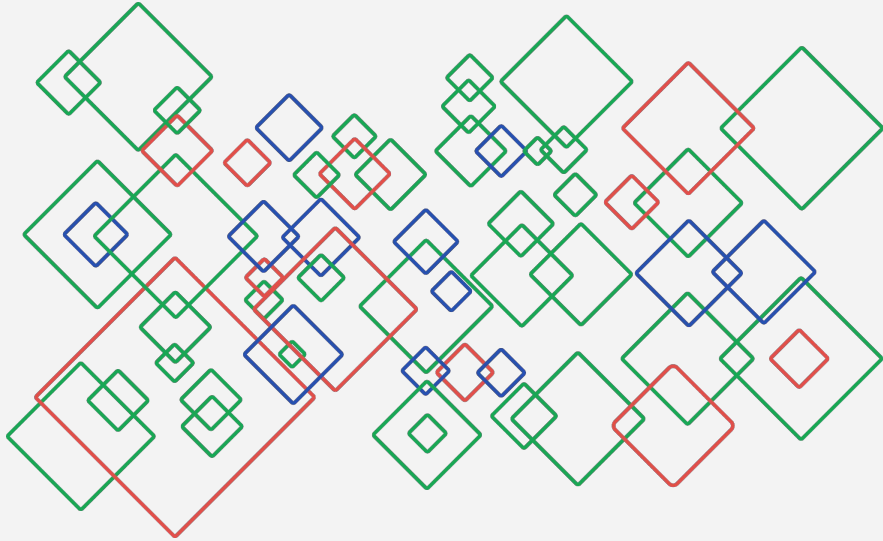
Example Wikidata query:
[Number of musicians in Wikidata by country](#)

Wikibase



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Linked Open Data and the role of Wikibase



Wikibase is free software that stores and organizes information that can be collaboratively edited and read by humans and by computers, translated into multiple languages and shared with the rest of the world as part of the Linked Open Data (LOD) web.

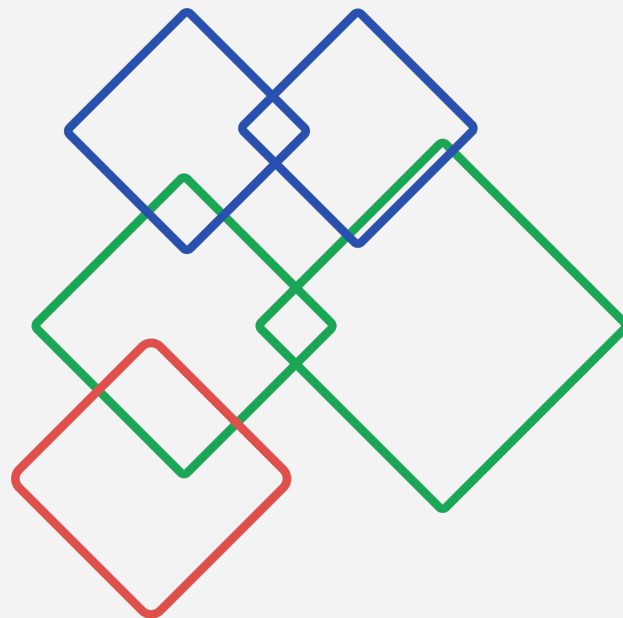


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It is a **free** and **open-source** software suite launched in 2012 by **Wikimedia Deutschland**. We continue to develop and maintain it today.

Wikibase powers **Wikidata** and, increasingly, a wide range of other **linked open data projects**.



What does Wikibase offer..

- Users can **create** and **manage** their own linked open **knowledge base**
- Its flexibility allows users to build their own **data model** to suit their needs
- A MediaWiki interface means users can easily **access** and **update** data
- Just like on Wikidata, users can interact with their data using **SPARQL**, the powerful query language



Wikibase is ideal for...



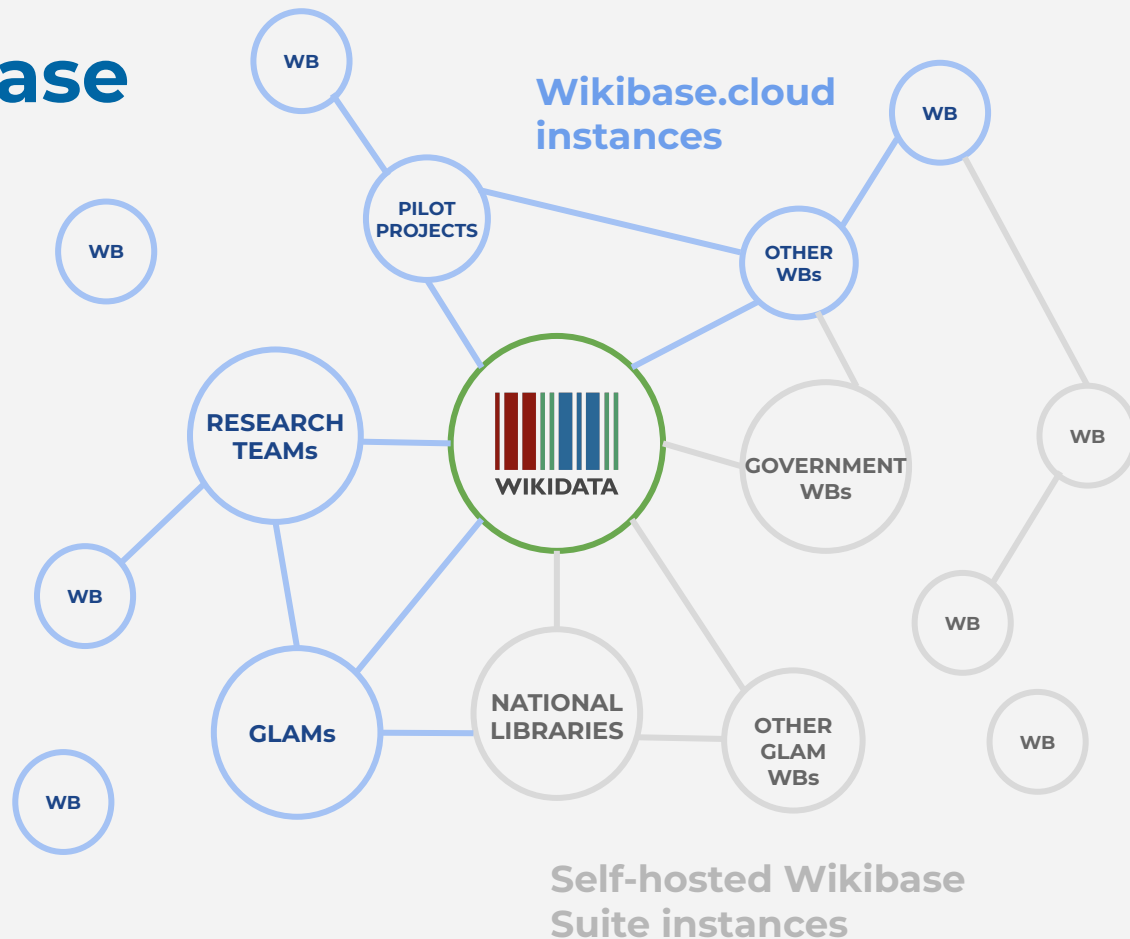
- Structured data collections that call for a **flexible** data model
- **Linking** databases to external sources
- **Collaborative projects** where many people edit and manipulate data
- Data that should be **both human and machine-readable**
- Projects involving **multilingual labeling**



A future Wikibase ecosystem

Wikibase makes it easier than ever before to **create, connect, and grow** a collaborative linked knowledge base.

It's enabling the co-creation of the **world's largest knowledge graph** of free and open data, which will be used to **create new knowledge** for the world.



Suite and Cloud overview

	Wikibase Suite (manual install/ via Docker images)	Wikibase.cloud (SaaS)
Hosting	Self-managed	Hosted by WMDE (Europe, GDPR-compliant)
Technical experience (installation)	Intermediate to Expert	Novice
Number of Wikibases	Unlimited	6 (per Wikibase.cloud user account)
Customisation	High	Generic

Wikibase.cloud

Wikibase.cloud is a new platform based on WBstack code, but managed and maintained by Wikimedia Deutschland.

It is a **“Wikibase as a service”** platform that will offer open knowledge projects a new way to create Wikibases quickly and easily.

- Join [here](#).
- See project page [here](#).



Create a Wiki

Site Name ⓘ
T E.g., Goat Collective

Site Domain ⓘ
 Free Subdomain Custom Domain

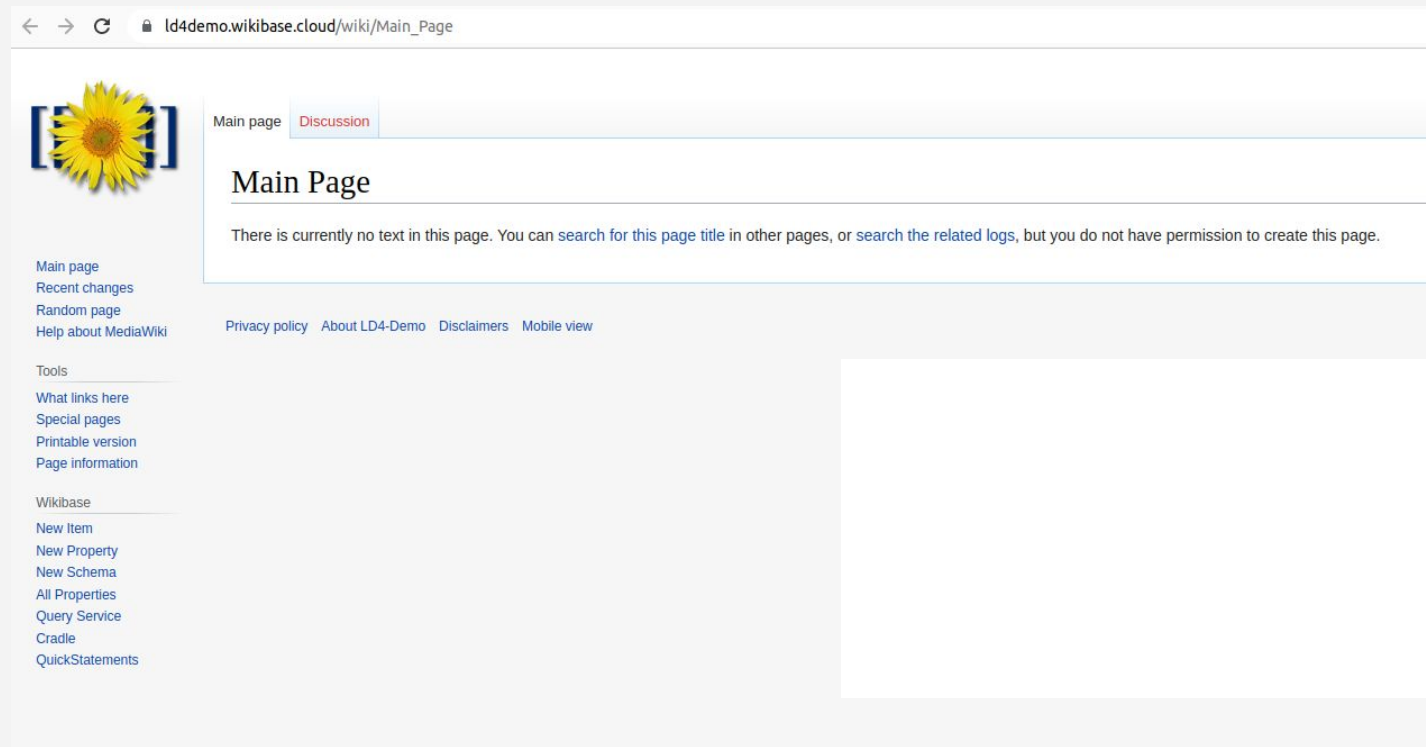
E.g. goat-collective .wiki.opencura.com

Your User ⓘ
E.g., Addshore

Terms of Use
 I agree to the [Terms of Use](#).


CREATE WIKI

You now have a Wikibase instance!



The screenshot shows a web browser window with the address bar displaying `ld4demo.wikibase.cloud/wiki/Main_Page`. The page features a logo on the left consisting of a yellow sunflower inside blue square brackets. Below the logo is a vertical list of navigation links under various categories: 'Main page', 'Recent changes', 'Random page', 'Help about MediaWiki', 'Tools', 'What links here', 'Special pages', 'Printable version', 'Page information', 'Wikibase', 'New Item', 'New Property', 'New Schema', 'All Properties', 'Query Service', 'Cradle', and 'QuickStatements'. At the top of the main content area, there are two tabs: 'Main page' and 'Discussion'. The main heading is 'Main Page', followed by a message: 'There is currently no text in this page. You can search for this page title in other pages, or search the related logs, but you do not have permission to create this page.' At the bottom of the main content area, there are links for 'Privacy policy', 'About LD4-Demo', 'Disclaimers', and 'Mobile view'. A large, empty white rectangular area is present on the right side of the page.

ld4demo.wikibase.cloud/wiki/Main_Page

 []

Main page Discussion

Main Page

There is currently no text in this page. You can search for this page title in other pages, or search the related logs, but you do not have permission to create this page.

Privacy policy About LD4-Demo Disclaimers Mobile view

Main page
Recent changes
Random page
Help about MediaWiki

Tools

What links here
Special pages
Printable version
Page information

Wikibase

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

Wikibase Use cases and collaborations

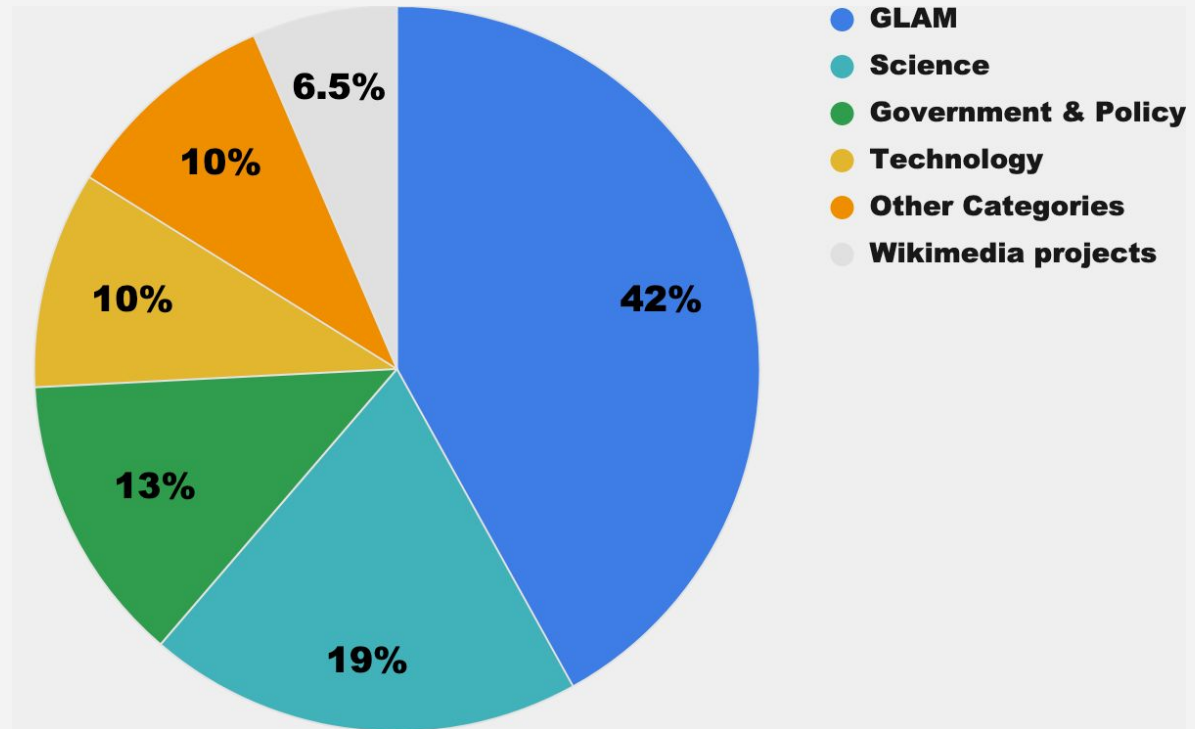


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Wikibases at a glance

The active Wikibases instances that we currently track span a number of disciplines.

This pie chart represents the % of Wikibase instances in each category, not the % of data they contribute to the decentralized knowledge graph.



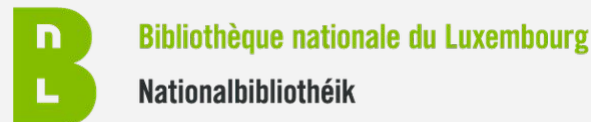
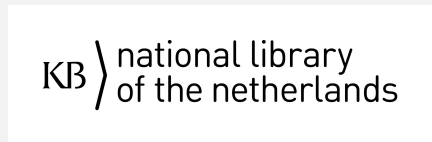
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*GLAM stands for galleries, libraries, archives, and museums

Wikibase in the library context

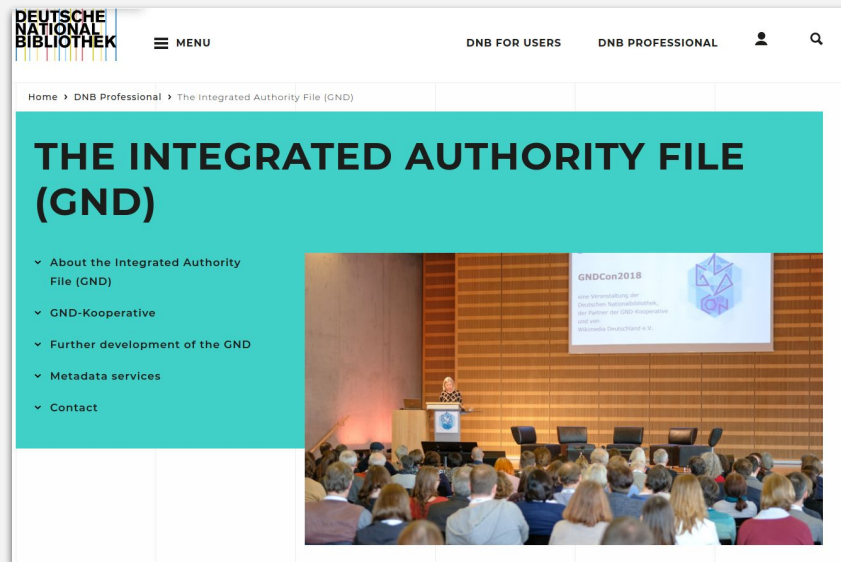
Wikibase is being evaluated by libraries as a tool to help them **store and manage** their structured data, as well as **connect to the world of linked open data**.

- German National Library (DNB)
- Finnish National Library
- National Library of the Czech Republic
- National Library of Luxembourg
- The Smithsonian Libraries
- National Library of the Netherlands



German National Library

- The German National Library is piloting Wikibase for its **integrated authority file**
- The ***Gemeinsame Normdatei*** represents and describes entities then used in cataloging. It is authoritative **across German-speaking** countries
- The idea is to enable **collaborative maintenance** of the authority file
- See Wikibase instance [here](#).
- DNB talks Wikibase [video](#).



Ministry of Culture, Luxembourg

- **Shared authority file** on persons
- **8 GLAM institutions** joining forces in a competency network on digital cultural heritage topics
 - Sharing of authority information as such, and as shared access points to holdings.
 - Using CIDOC-CRM ontology as a federation tool for data modelling and interfaces, and RDA-FR as a normative rule book for content.
- [Wikibase EDTF extension](#): adds support for the Extended Date/Time Format (EDTF) Specification to Wikibase via a new data type. See video [here](#).
- [Automated Values extension](#): that allows defining rules to automatically set labels or aliases based on Statement values. See video [here](#).
- See video [here](#) and deck [here](#).

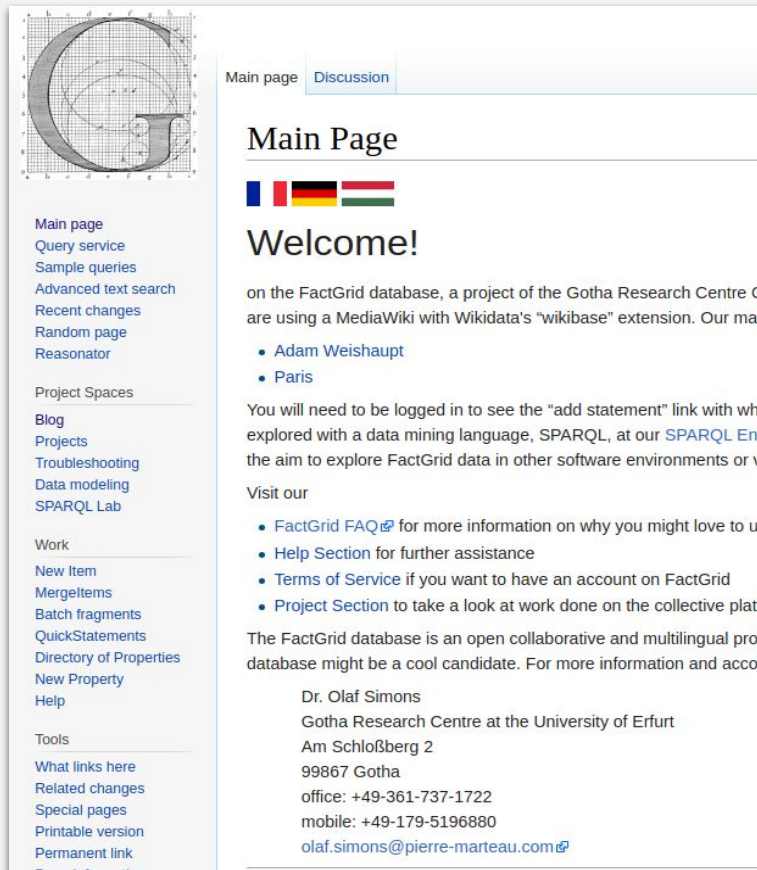
EU Commission

- The [EU Knowledge Graph](#) is a Wikibase instance managed and maintained by a team at the EU Commission
- It contains **general purpose data** about the European Union and its institutions, as well as data about **EU funding and its beneficiaries**
- It acts as a **data repository** for the [Kohesio](#) website .
- Video [here](#).

The image shows two overlapping screenshots. The top screenshot is a Wikibase page titled 'The EU Knowledge Graph'. It features the European Union flag in the top left corner and a search bar at the top right. The main content area includes a welcome message and a list of categories such as 'institutions of the European Union', 'countries in the European Union', 'capitals of European countries', 'DGs from the European Commission', '705.108 projects', '112.688 beneficiaries', 'the Nomenclature of Territorial Units for Statistics', and 'buildings'. The bottom screenshot is a website banner for 'Kohesio Open Projects', a Project Information Portal for Regional Policy. The banner has a blue background with white text that reads 'EUROPEAN UNION SUPPORTS PROJECTS IN ALL REGIONS TO MAKE EUROPE STRONGER' and a yellow 'LEARN MORE' button. To the right of the text is a colorful illustration of a landscape with wind turbines, houses, and a bridge. Below the banner, the text 'IN MY REGION' is visible.

Factgrid


- Run by the **Gotha Research Centre** and hosted by the **University of Erfurt**
- Started out as a project to document the history of the Illuminati
- Now a **collaborative historical database** used by historians
- Secured funding to act as a research data repository
- See Wikibase instance [here](#).



The screenshot shows the FactGrid website interface. At the top left is a navigation menu with links: Main page, Query service, Sample queries, Advanced text search, Recent changes, Random page, Reasonator, Project Spaces, Blog, Projects, Troubleshooting, Data modeling, SPARQL Lab, Work, New Item, MergeItems, Batch fragments, QuickStatements, Directory of Properties, New Property, Help, Tools, What links here, Related changes, Special pages, Printable version, Permanent link, and Page information. The main content area has a "Main page" tab selected, followed by the heading "Main Page" and flags for France, Germany, and Hungary. Below this is a "Welcome!" message, a paragraph about the database project, a list of contributors (Adam Weishaupt, Paris), a note about logging in to see certain links, a list of helpful links (FactGrid FAQ, Help Section, Terms of Service, Project Section), and contact information for Dr. Olaf Simons at the Gotha Research Centre.

Main page [Discussion](#)

Main Page



Welcome!

on the FactGrid database, a project of the Gotha Research Centre G are using a MediaWiki with Wikidata's "wikibase" extension. Our main

- [Adam Weishaupt](#)
- [Paris](#)

You will need to be logged in to see the "add statement" link with which explored with a data mining language, SPARQL, at our [SPARQL End](#) the aim to explore FactGrid data in other software environments or vi

Visit our

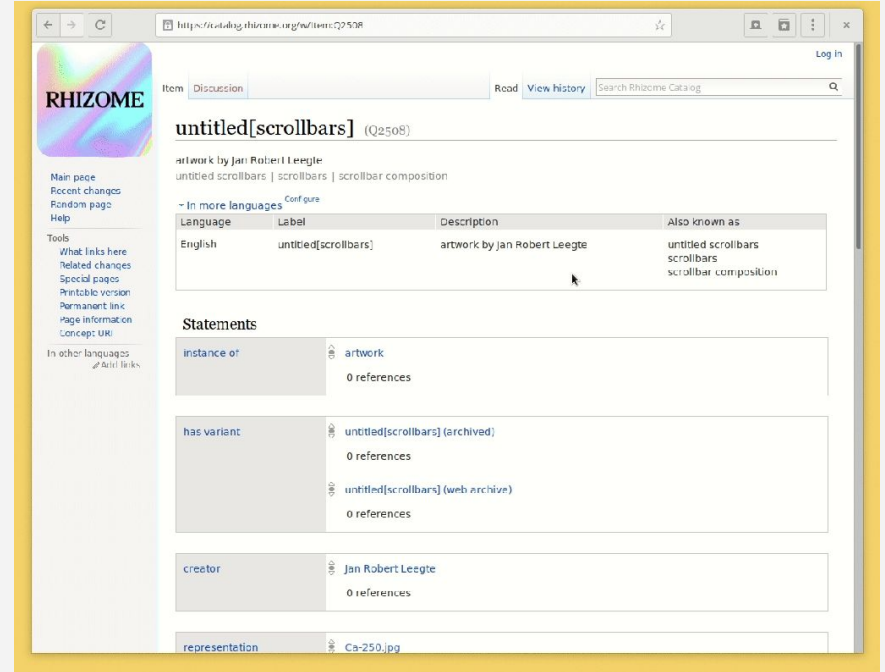
- [FactGrid FAQ](#) for more information on why you might love to us
- [Help Section](#) for further assistance
- [Terms of Service](#) if you want to have an account on FactGrid
- [Project Section](#) to take a look at work done on the collective platf

The FactGrid database is an open collaborative and multilingual proje database might be a cool candidate. For more information and accou

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olaf.simons@pierre-marteau.com

Rhizome

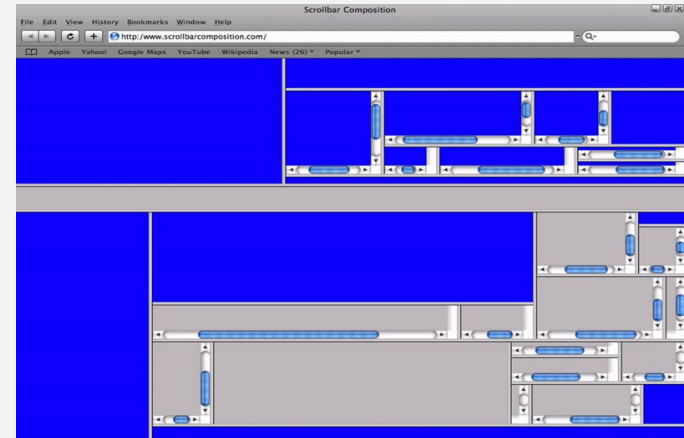
- Rhizome, an art organization in New York City, was one of the **early adopters** of Wikibase
- Started using Wikibase in 2015 for its **archive of born-digital art** and **digital preservation activities**
- The **flexible** model of Wikibase captures the constantly changing nature of digital art
- It enables work with:
 - Heterogeneous data
 - Flexible data structure



Why use Wikibase?

According to Rhizome:

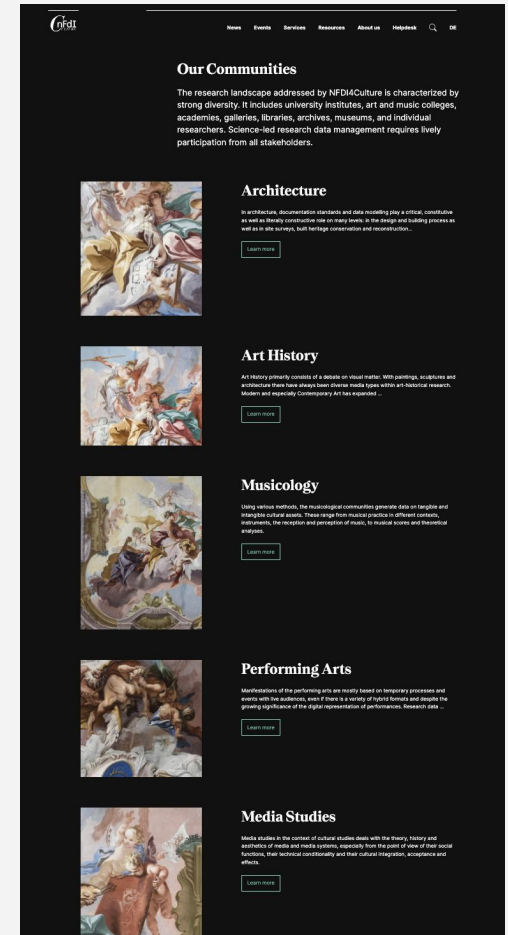
- Ontological sandbox and space for experimentation
- Making claims and statements, not presenting “facts” and “truth”
- Multiple values per property – useful for digital artifacts and artworks which don’t have a single “canonical” version
- More nuanced approach to licensing compared to Wikidata / Wiki Commons
- Serves Rhizome’s software preservation needs
- Connecting data across knowledge bases



An example of Net Art; Detail from Jan Robert Leegte, “untitled[scrollbars]” (1997-2000) http://www.leegte.org/works/online/composition_blue/index.htm

Wikibase4Research and NFDI4Culture: Multimodal Cultural Heritage

- NFDI4Culture is a German consortium for Research Data on Material and Immaterial Cultural Heritage
- Open Science Lab at TIB, Hannover is a participant in the consortium leading the development of Wikibase as a software service for research data
- The main development has been the orchestration of Wikibase within a toolchain that includes a media viewer for 2D, 3D, and AV media and annotation – Semantic Kompakkt



The screenshot shows the 'Our Communities' section of the NFDI4Culture website. The page has a dark background with white text. At the top, there is a navigation bar with links for Home, Events, Services, Resources, About us, and Helpdesk, along with a search icon and the letters 'DE'. The main heading is 'Our Communities'. Below this, a paragraph explains that the research landscape is diverse, involving university institutes, art and music colleges, academies, galleries, libraries, archives, museums, and individual researchers. The page features five community cards, each with a small image on the left and text on the right. Each card includes a 'Learn more' button.

Architecture
In architecture, documentation standards and data recording play a critical, constitutive as well as timely constitutive role on many levels. In the design and building process as well as in the survey, built heritage conservation and reconstruction.

Art History
Art history primarily consists of objects or visual media: With paintings, sculptures and architecture there have always been diverse media types with art-historical research. Modern and especially Contemporary Art has expanded...

Musicology
Using various methods, the musicological communities generate data on tangible and intangible cultural assets. These range from musical practice to cultural context, instruments, the reception and perception of music, to musical scores and theoretical analyses.

Performing Arts
Manifestations of the performing arts are mostly based on temporary processes and events with live audiences, even if there is a variety of hybrid formats and despite the growing significance of their digital representation of performance. Research area.

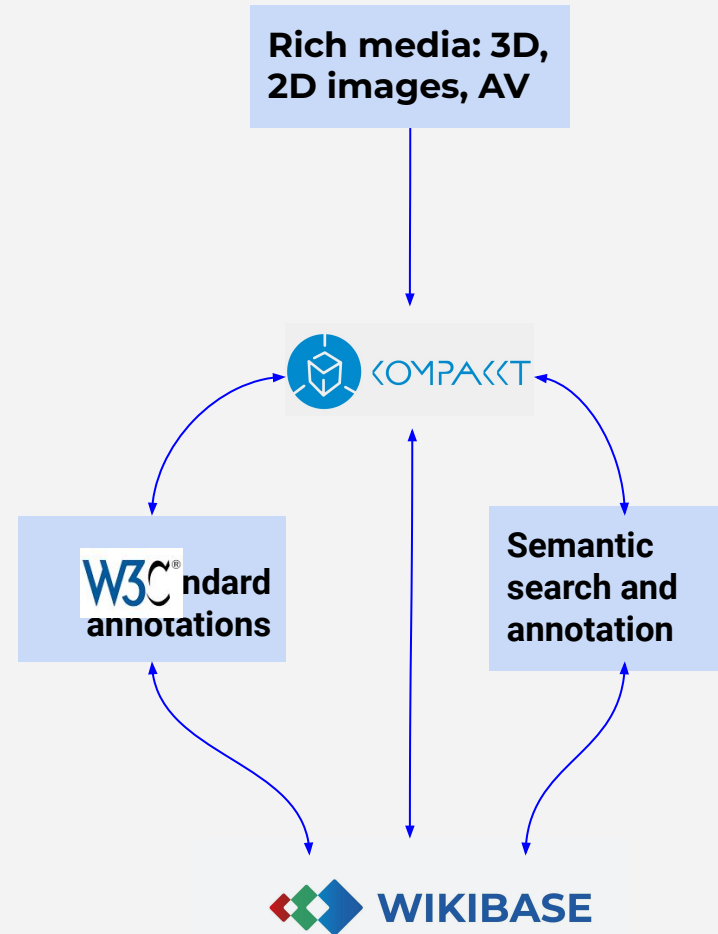
Media Studies
Media studies in the context of cultural studies deals with the history, theory and aesthetics of media and media systems, especially from the point of view of their social functions, their technical conditionality and their cultural integration, acceptance and effects.

Why use Wikibase?

According to NFDI4Culture

- Open-source software with a large international community
- Allows to LOD-ify existing research data to take advantage of semantic capabilities in ongoing work with natural language text annotations, as well as media files
- Lower learning curve compared to other existing KG tools
- Not a single tool, but an “umbrella” of services

See video [here](#)



Enslaved.org

- Enslaved is a linked open database about the **history of transatlantic slave trade**
- Using Wikibase as a **linking** and **reconciliation hub**, Enslaved unites seven separate scholarly databases
- It contains more than **950 thousand* records** about (People, Events, Places and sources)
- See website here: enslaved.org
- See Wikibase instance [here](#).

*as of 18.05.22

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 613458 records from the historical slave trade [Go to Advanced Search](#)

Search People, Events, and Places

Explore

Browse People, Events, Places, and Sources

👤 People	384380	>
📅 Events	212537	>
📍 Places	14033	>
📄 Sources	2508	>



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Enslaved.org

[Original Data in Dataverse](#)

Description

The "Free Blacks" dataset was created from The Mayor's Register of Free Blacks in the City of New Orleans from 1840 to 1864 by Brian Mitchell

Project Connections

 3597  388  7835  2

[View Project Data](#)

[View Project Visualization](#)

Fugitives from Slavery in Jamaica

Dates	Contributor(s)	Related Data Resources
1718-1795	Anthony W. Wood Billy G. Smith	Journal of Slavery and Data Preservation Data Article https://repository.upenn.edu/mead/44/

Project Connections

 3138  38  4746  5

[View Project Data](#)

[View Project Visualization](#)

Legacies of British Slavery

Dates	Contributor(s)	Related Data Resources
1760-1880	Keith McClelland	https://www.ucl.ac.uk/lbs/ https://doi.org/10.12921/07em-3t32 http://doi.org/10.5255/UKDA-SN-852209

Project Connections

 62246  5938  59016  4

[View Project Data](#)

[View Project Visualization](#)

Louisiana Slave Conspiracies

Search / Advanced Search Advanced Search

Use the form below to set up a specific search parameter. All of the inputs are optional. Once filled out, select the "Search" button at the bottom of the page to view results based on the inputted parameters. Keep in mind that this search uses an "AND" boolean operation, showing only the results that include all the parameters entered.

Person

Name	Person Status
<input type="text" value="Enter Name"/>	<input type="text" value="Select Status"/>
Sex	Age Range
<input type="text" value="Select Sex"/>	<input type="text" value="From"/> <input type="text" value="To"/>
Ethnodescriptor	Occupation
<input type="text" value="Enter Ethnodescriptor"/>	<input type="text" value="Select Occupation"/>

Event

Type	Date Range
<input type="text" value="Select Event Type"/>	<input type="text" value="Enter Start Year"/> <input type="text" value="Enter End Year"/>

Place

Place Name	Place Type
<input type="text" value="Enter Place Name"/>	<input type="text" value="Select Place Type"/>
Modern Country	
<input type="text" value="Select Country"/>	

Source

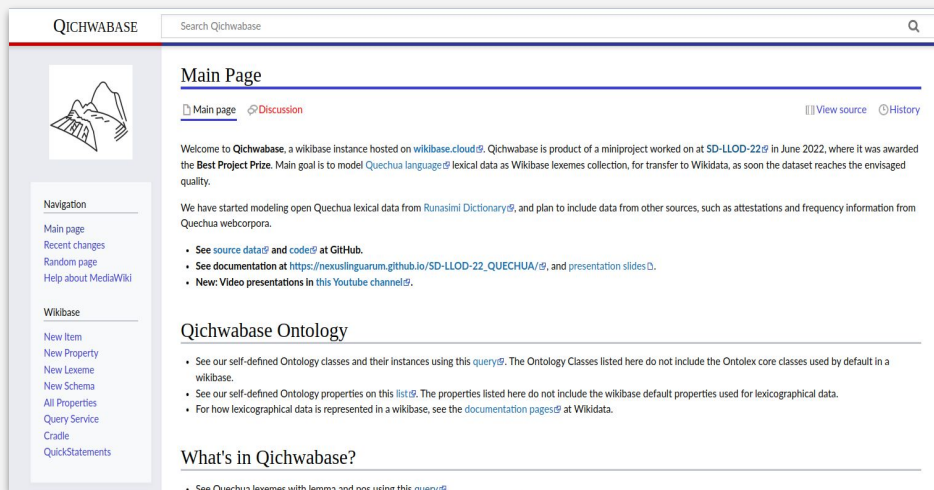
Source Type	Projects
<input type="text" value="Select Source Type"/>	<input type="text" value="Select Project"/>



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Qichwabase

- **Qichwabase**, a Wikibase instance hosted on **wikibase.cloud**, is the product of a miniproject worked on at the 4th Summer Datathon on Linguistic Linked Open Data (**SD-LLOD-22**) in June 2022, where it was awarded the **Best Project Prize**.
- Main goal is to model **Quechua language** lexical data as Wikibase lexemes collection, for transfer to Wikidata, as soon the dataset reaches the envisaged quality.
- See a video explainer [here](#).



The screenshot shows the main page of the Qichwabase Wikibase instance. The page has a search bar at the top right and a navigation sidebar on the left. The main content area includes a welcome message, a list of links for navigation, and sections for the ontology and a query.

QICHWABASE Search Qichwabase

Main Page

Navigation: Main page, Recent changes, Random page, Help about MediaWiki

Wikibase: New Item, New Property, New Lexeme, New Schema, All Properties, Query Service, Cradle, QuickStatements

Welcome to **Qichwabase**, a wikibase instance hosted on [wikibase.cloud](#). Qichwabase is product of a miniproject worked on at [SD-LLOD-22](#) in June 2022, where it was awarded the **Best Project Prize**. Main goal is to model [Quechua language](#) lexical data as Wikibase lexemes collection, for transfer to Wikidata, as soon the dataset reaches the envisaged quality.

We have started modeling open Quechua lexical data from [Runasimi Dictionary](#), and plan to include data from other sources, such as attestations and frequency information from Quechua webcorpora.

- See [source data](#) and [code](#) at [GitHub](#).
- See [documentation](#) at https://nexuslinguarum.github.io/SD-LLOD-22_QUECHUA/, and presentation slides D.
- New: [Video presentations](#) in this [Youtube channel](#).

Qichwabase Ontology

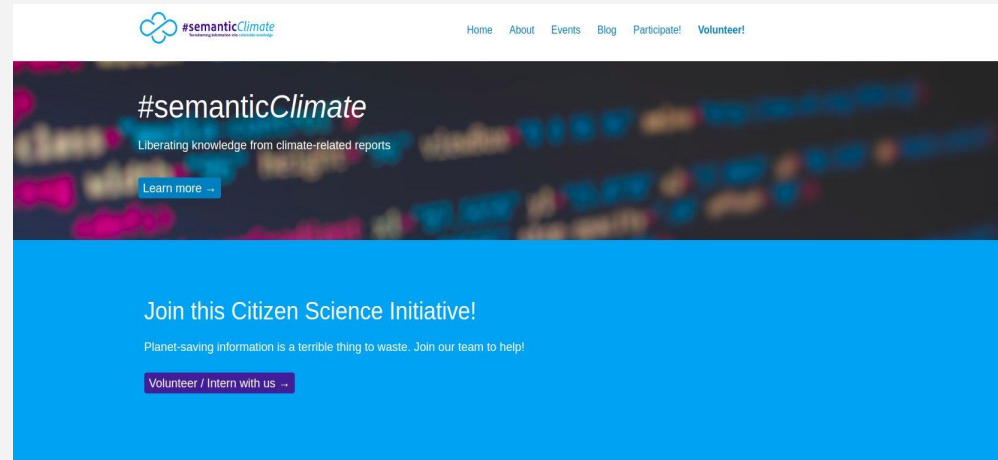
- See our self-defined Ontology classes and their instances using this [query](#). The Ontology Classes listed here do not include the Ontolex core classes used by default in a wikibase.
- See our self-defined Ontology properties on this [list](#). The properties listed here do not include the wikibase default properties used for lexicographical data.
- For how lexicographical data is represented in a wikibase, see the [documentation pages](#) at Wikidata.

What's in Qichwabase?

- See [Quechua lexemes with lemma and pos](#) using this [query](#).

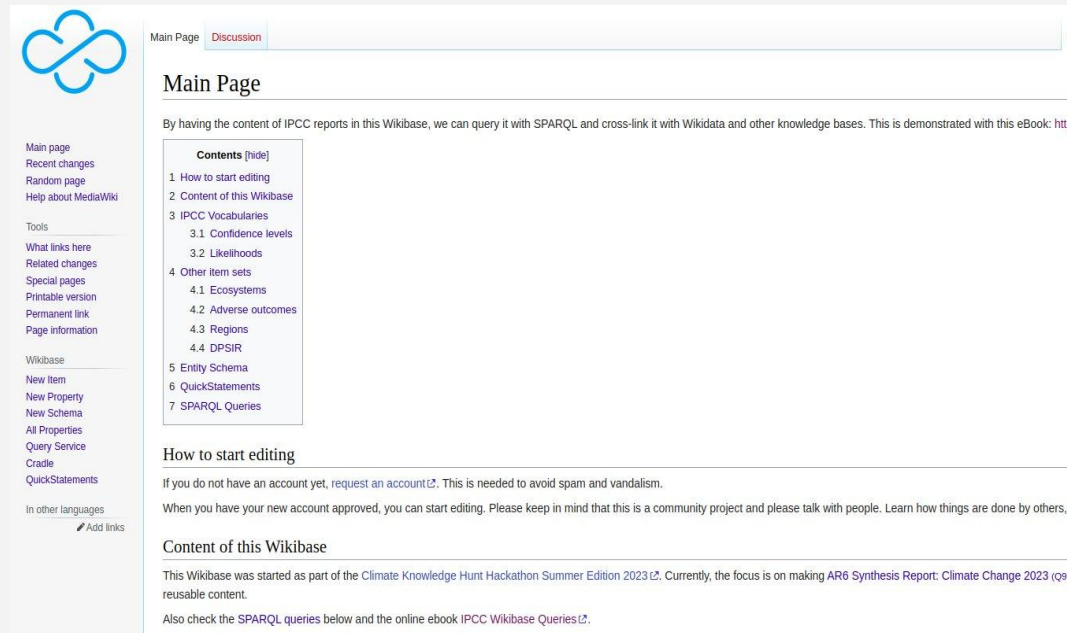
#semanticClimate

- [#semanticClimate](#), is a citizen science initiative to semantic-ize UN's IPCC AR6 report to make the important climate knowledge in this more than 10,000-page PDF document more accessible to everyone on the Linked Open Data web.
- Main goals are
 - to convert the IPCC documents from PDF into (a) HTML (b) XML
 - extract terms and explore their use and meaning
 - link terms to [Wikidata](#) and create [AMI-dictionaries](#)
 - create new structures for navigation, search, display



#semanticClimate

- Wikimedia Deutschland happy to play an active role as a responsible global citizen in making climate knowledge more accessible.
- See a Wikibase instance [here](#).



Main Page Discussion

Main Page

By having the content of IPCC reports in this Wikibase, we can query it with SPARQL and cross-link it with Wikidata and other knowledge bases. This is demonstrated with this eBook: [https://www.wikidata.org/wiki/Wikidata:WikiProject_IPCC/eBook](#)

Contents [hide]
1 How to start editing
2 Content of this Wikibase
3 IPCC Vocabularies
3.1 Confidence levels
3.2 Likelihoods
4 Other item sets
4.1 Ecosystems
4.2 Adverse outcomes
4.3 Regions
4.4 DPSIR
5 Entity Schema
6 QuickStatements
7 SPARQL Queries

How to start editing

If you do not have an account yet, [request an account](#). This is needed to avoid spam and vandalism.

When you have your new account approved, you can start editing. Please keep in mind that this is a community project and please talk with people. Learn how things are done by others, [see the talk page](#).

Content of this Wikibase

This Wikibase was started as part of the [Climate Knowledge Hunt Hackathon Summer Edition 2023](#). Currently, the focus is on making [AR6 Synthesis Report: Climate Change 2023](#) [open](#) reusable content.

Also check the [SPARQL queries](#) below and the online eBook [IPCC Wikibase Queries](#).

Main page
Recent changes
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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

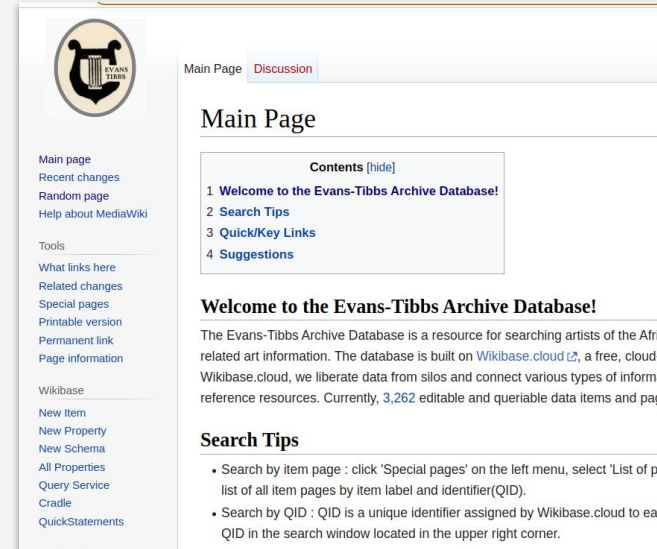
[Add links](#)



WIKIMEDIA
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Evans-Tibbs Archive (National Gallery of Art, US)

- The National Gallery of Art has been promoting greater diversity in its collections and exhibitions. As part of its efforts, the Gallery's Library has launched a Wikibase project to increase visibility, connectivity, and accessibility of African American artists and related art information using Wikibase.cloud.
- Access the database [here](#).
- Read more about the project [here](#).



The screenshot shows the main page of the Evans-Tibbs Archive Wikibase database. The page features a navigation menu on the left with links such as 'Main page', 'Recent changes', 'Random page', and 'Help about MediaWiki'. The main content area includes a 'Main Page' section with a 'Contents' table of contents listing 'Welcome to the Evans-Tibbs Archive Database!', 'Search Tips', 'Quick/Key Links', and 'Suggestions'. Below this is a 'Welcome to the Evans-Tibbs Archive Database!' section with a paragraph describing the database as a resource for searching artists of the African American art world, built on Wikibase.cloud. A 'Search Tips' section follows, providing instructions on how to search by item page and by QID.

Mission & Goals

- Increase visibility, connectivity, & accessibility of artists of African diaspora in the library's Evans-Tibbs Archive & related art information.
- Test Wikibase.cloud* for creating, managing, & accessing the information.
- Examine the potential for Wikibase.cloud/Linked Data applications on the library's entity management & discovery.
- * Wikibase.cloud: a free cloud-based Linked Data system hosted by Wikimedia Germany.

Project Overview

- Duration: September 2021- May 2023 (expected)
- Platform: Wikibase.cloud (<https://www.wikibase.cloud/>)
- Tools: Wikibase QuickStatement/Add-ons, OpenRefine, Google Sheet & Python
- Team: 3 librarians and 1 library technician

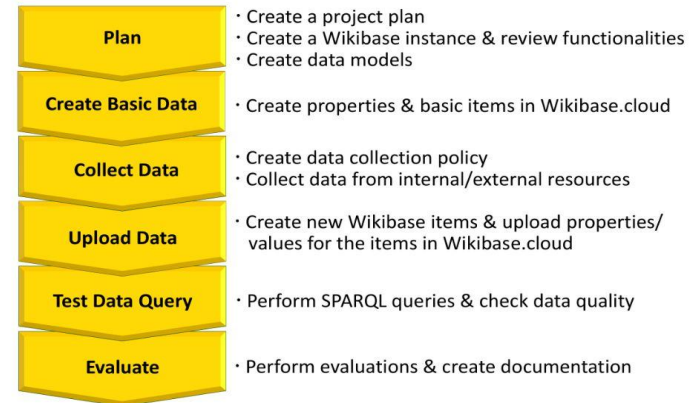
Data Model

Entity	Artist	Artwork	Collection	Exhibition	Publication	Organization
Property	name, birth/ death dates, birth/death locations, education, field of work, notable work, official website, external identifier, etc.	creator, title, location of creation, made from material, dimensions statement, copyright status, owned by, exhibition history, etc.	location, collection creator, inception, has part, owned by, exhibition history, etc.	title, start time, end time, organizer, location, subject, exhibited artist, curator, catalog, etc.	title, subtitle, author, editor, publisher, publication date/place, language, subject, copyright, identifier, etc.	location, inception, parent organization, official website, etc.

Websites

- Evans-Tibbs Archive Wikibase Project
www.wikidata.org/wiki/Wikidata:WikiProject_National_Gallery_of_Art_Library/Wikibase_EvansTibbs
- Evans-Tibbs Archive Wikibase User Interface
https://mercury7.wikibase.cloud/wiki/Main_Page

Workflow



Challenges

- Lack of use cases & resources for Wikibase.cloud
- Issues in bottom-up ontology design in data modeling
- Partial functionalities due to the ongoing development of Wikibase.cloud (disabled federated import feature, issues in batch uploading URLs & inserting images, etc.)

Lessons Learned

- Wikibase.cloud is effective for data storage, curation, & retrieval of internal data in the Linked Data environment!
- Easy creation of Linked Data without maintaining IT server/infrastructure
- Full control of data ownership & data management
- Effective user management
- No approval process & easy creation of properties

RIWATCH Museum

- Documents and preserves indigenous cultures of North East India
- Ethnographic museum with collections from indigenous people of Arunachal Pradesh, India.
- A Wikibase.cloud instance to store the metadata of museum collections
- Access the database [here](#).
- Read more about the engagement [here](#).



Wikibase World

- Wikibase instance of all the Wikibase instances! Check it out [here](#).
- Want to know what Wikibase instances are on Wikibase.cloud? See them [here](#)!



Next Steps

- Collaborate with Wikimedia Portugal to understand the Wikidata/Wikibase projects among the institutions, including identifying where the blockers are
- Follow up with relevant use case examples specific to WMPT identified projects
- Continue to support WMPT's future Wikidata Days events.

- Currently in the process of
 - Capacity Building: creating a playlist of 7-min videos on “How-to” Wikidata for libraries-related users
 - Mutual Learning: deep dive into specific Wikidata & Wikibase use cases from selected institutions

Thank you!



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Dedicated community spaces

The Wikibase user community **continues to grow**. Whether to remain informed about our continued work with **Wikibase.cloud** or to **engage with other community members**, there are a number of avenues to connect with the community:

- [Wikibase Community User Group](#)
- [General user group Mailing list](#)
- [Wikibase.cloud mailing list](#)
- [Telegram channel](#)
- [Monthly Live Sessions](#)
- [Wikibase stakeholder group](#)

Discover more wikibase instances and get inspired:

- [Wikibase.cloud discovery](#)
- [Wikibase World](#)



Support and Resources

Further, support resources are available on mediawiki.org, including detailed **documentation** on how to set up Wikibase using the **docker images** or **manually**. You can also find a useful **FAQ**.

If you're looking for **technical support**, we maintain a space on [meta](https://meta.wikimedia.org) where third-party support providers can list their services.





Reach out to us!
alan.ang@wikimedia.de
swe_partnerships@wikimedia.de



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