

# Wikidata



Bringing structured data to Wikipedia with 16000 volunteers

**Everyone needs access to knowledge!**



**1/2 Billion**

Wikipedia readers/month

**nearly 300**

Wikipedia language editions

**nearly 300**

Wikipedia language editions

**79**

Wikipedia language editions with an  
article about the Zika virus



English Wikipedia



**Spanish Wikipedia**





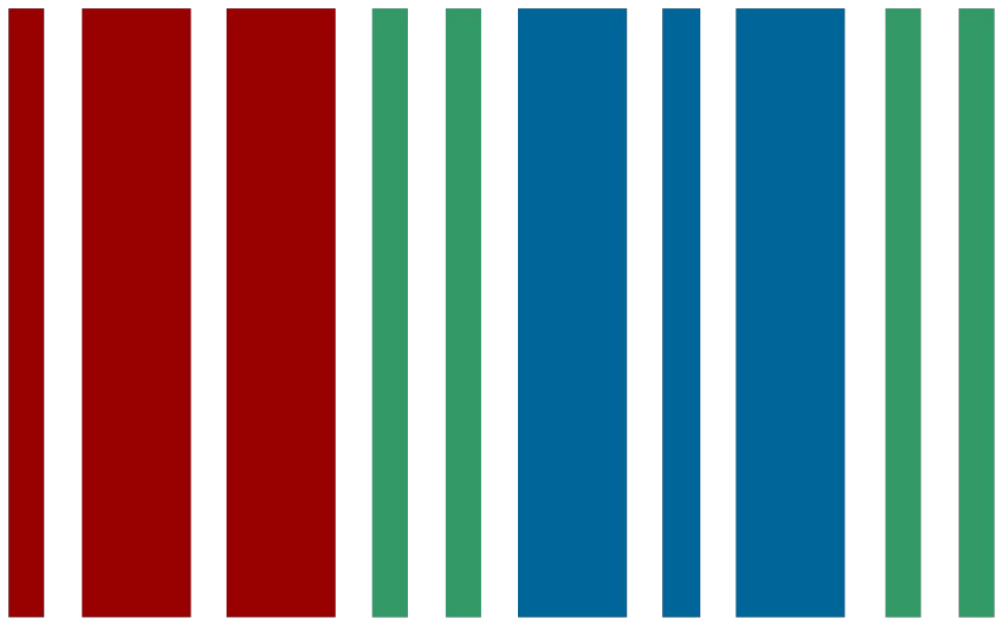
**Russian Wikipedia**



**Farsi Wikipedia**



**Japanese Wikipedia**



**WIKIDATA**

**Knowledge base**

**Community**

# Mona Lisa (Q12418)

painting by Leonardo da Vinci

[edit](#)

La Joconde | La Gioconda

**In more languages**

Language	Label	Description	Also known as
English	Mona Lisa	painting by Leonardo da Vinci	La Joconde La Gioconda
German	Mona Lisa	Ölgemälde von Leonardo da Vinci	
Spanish	Mona Lisa	cuadro de Leonardo da Vinci	La Gioconda La Mona Lisa Gioconda La Joconde
Latin	Iucunda	pictura quam Leonardus Vinci inter annos 1503 et 1506 fecit	Mona Lisa

[More languages](#)

## Statements

**instance of** painting [edit](#)

0 references

[+ add reference](#)

[+ add](#)

**creator** Leonardo da Vinci [edit](#)


1 reference

[+ add](#)

**title** PORTRAIT DE MONA LISA (1479-1528) : DITE LA JOCONDE [edit](#)

**Wikipedia** (104 entries) [edit](#)

- af Mona Lisa
- am ግዮና ሊዛ
- ar مونا ليزا
- as সনালিছা
- az Mona Liza
- ba Мона Лиза
- bcl Mona Lisa
- be\_x\_old Мона Ліза
- be Мона Ліза
- bg Мона Лиза
- bn সোনা লিঙ্গা
- bo མོན་ལེ་སེ།
- br Mona Lisa
- bs Mona Lisa
- ca La Gioconda 
- cbk\_zam Monalisa
- ckb مۆنالیزا
- co Giuconda
- cs Mona Lisa
- cv Мона Лиза
- cy Mona Lisa
- da Mona Lisa
- de Mona Lisa
- el Μόνα Λιζά (Ντα Βίντσι)
- en Mona Lisa
- eo La Gioconda
- es La Gioconda 
- et Mona Lisa
- eu Gioconda

- Main page
- Community portal
- Project chat
- Create a new item
- Item by title
- Recent changes
- Random item
- Query Service
- Nearby
- Random Primary Sources item 
- Help
- Donate

- Print/export
- Create a book
- Download as PDF
- Printable version

- Tools
- What links here
- Related changes
- Special pages
- Permanent link
- Page information
- Concept URI
- Cite this page
- Automatic addition
- Primary Sources list

# Current state of Wikidata

24 Million items

2700 properties

120 Million statements

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# Current state of Wikidata

16000 editors

3rd most active Wikimedia project  
(after English Wikipedia and Commons)

1.5 Million SPARQL queries/day

---

**What makes Wikidata special?**

**Community**  
People before data!

**We are not trying to determine the truth**  
**but record what sources say**

date of birth



2 BCE *Gregorian*

 edit

▶ 1 reference



7 BCE *Gregorian*

 edit

▶ 1 reference

+ add

instance of



deity

 edit

▶ 1 reference



mythical character

 edit

▶ 1 reference



human biblical character

 edit

▶ 1 reference



human

 edit

▶ 1 reference

+ add

**We are not restricting the world  
but acknowledge that the world is weird and complex**

spouse



Eiffel Tower

 edit

▶ 1 reference

+ add



# February 30 (Q37096)

date

 [edit](#)

[30 February](#) | [February 30th](#) | [30th of February](#) | [Feb 30](#)

[▼ In more languages](#)

Language	Label	Description	Also known as
English	February 30	date	<a href="#">30 February</a> <a href="#">February 30th</a> <a href="#">30th of February</a> <a href="#">Feb 30</a>
German	30. Februar	Datum	
Spanish	30 de febrero	fecha que ha sido utilizada esporádicamente en diversos países	
Latin	30 Februarii	No description defined	

**=> multilingual and multicultural project  
that acknowledges knowledge diversity**

**Difference to DBpedia?**

# Extraction from vs. injection of data into Wikipedia

# Direct vs. indirect human curation of the data

**Different vs. same data set for different  
languages**

**Release vs immediate availability**

# DBpedia & Wikidata

DBpedia and Wikidata have complementary strengths!

Wikidata: data collection, curation and maintenance -> up-to-date and with a community

DBpedia: skills and knowledge to do analysis of data and ontology, annotation, extraction and more

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**Lessons learned so far**

# The world is really really complicated

And Wikipedians are world  
champions in showing you where  
and how

There is no single truth. Deal with  
knowledge diversity!

The world is screwed up. Don't try to  
force it into neat little boxes!

---

**It is possible to build tools to deal with a  
really really complicated world**

**And we should build more of them!**

# Data must be used and maintained

When people hear knowledge base they think place to dump data. No!

Data maintenance is a huge undertaking.

It needs good (but not complex!) tools.

---

**Even with  
hard-to-use and  
basic tools people  
can build amazing  
things**

Build flexible and open tools.

Being able to tinker is crucial.

Let people help themselves.

---

# South Pole Telescope

From Wikipedia, the free encyclopedia

Coordinates: 90°S 0°E﻿ / ﻿90°S 0°E﻿ / -90; 0﻿ / -90; 0

The **South Pole Telescope (SPT)** is a 10 meter (394 in) diameter telescope located at the **Amundsen–Scott South Pole Station**, Antarctica. The telescope is designed for observations in the **microwave**, **millimeter-wave**, and **submillimeter-wave** regions of the electromagnetic spectrum, with the particular design goal of measuring the faint, diffuse emission from the **cosmic microwave background (CMB)**.<sup>[1]</sup> The first major survey with the SPT—designed to find distant, massive, **clusters of galaxies** through their interaction with the CMB, with the goal of constraining the **dark energy** equation of state—was completed in October 2011. In early 2012, a new camera was installed on the SPT with even greater sensitivity and the capability to measure the polarization of incoming light. This camera is designed to measure the so-called "**B-mode**" or "**curl**" component of the polarized CMB, leading to constraints on the mass of the **neutrino** and the energy scale of **inflation**.<sup>[2]</sup>

The SPT collaboration is made up of over a dozen (mostly North American) institutions, including the **University of Chicago**, the **University of California-Berkeley**, **Case Western Reserve University**, **Harvard-Smithsonian Astrophysical Observatory**, the **University of Colorado-Boulder**, **McGill University**, **The University of Illinois at Urbana-Champaign**, **University of California at Davis**, **Ludwig Maximilian University of Munich**, **Argonne National Laboratory**, and the **National Institute for Standards and Technology**. It is funded by the **National Science Foundation**.

## Contents [hide]

- Microwave/millimeter-wave observations at the South Pole
- The telescope
- The SPT-SZ camera
- The SPTpol camera
- Science goals
- Funding
- Current status
- See also
- References
- External links

## Microwave/millimeter-wave observations at the South Pole  [edit]

The South Pole is the premier observing site in the world for millimeter-wavelength observations. The Pole's high altitude (2.8 km/1.7 mi above sea level) means the atmosphere is thin, and the extreme cold keeps the amount of water vapor in the air low.<sup>[3]</sup> This is particularly important for observing at millimeter wavelengths, where incoming signals can be **absorbed by water vapor**, and where water vapor emits radiation that can be confused with astronomical signals. Because the sun does not rise and set daily, the atmosphere at the pole is particularly stable. Further, there is no interference from the sun in the millimeter range during the months of polar night.

## The telescope  [edit]

The telescope is a 10-meter (394 in) diameter off-axis **Gregorian telescope** in an **altazimuth mount** (at the poles, an altazimuth mount is effectively identical to an **equatorial mount**). It

### South Pole Telescope



The South Pole Telescope in November 2009

**Location(s)**  Amundsen–Scott South Pole Station, Antarctic Treaty area[\*]

**Coordinates** 90°S 0°E﻿ / ﻿90°S 0°E﻿ / -90; 0﻿ / -90; 0

**Altitude** 2.8 kilometre

**Built** November 2006–February 2007

**First light** 16 February 2007

**Telescope style** Gregorian telescope, radio telescope

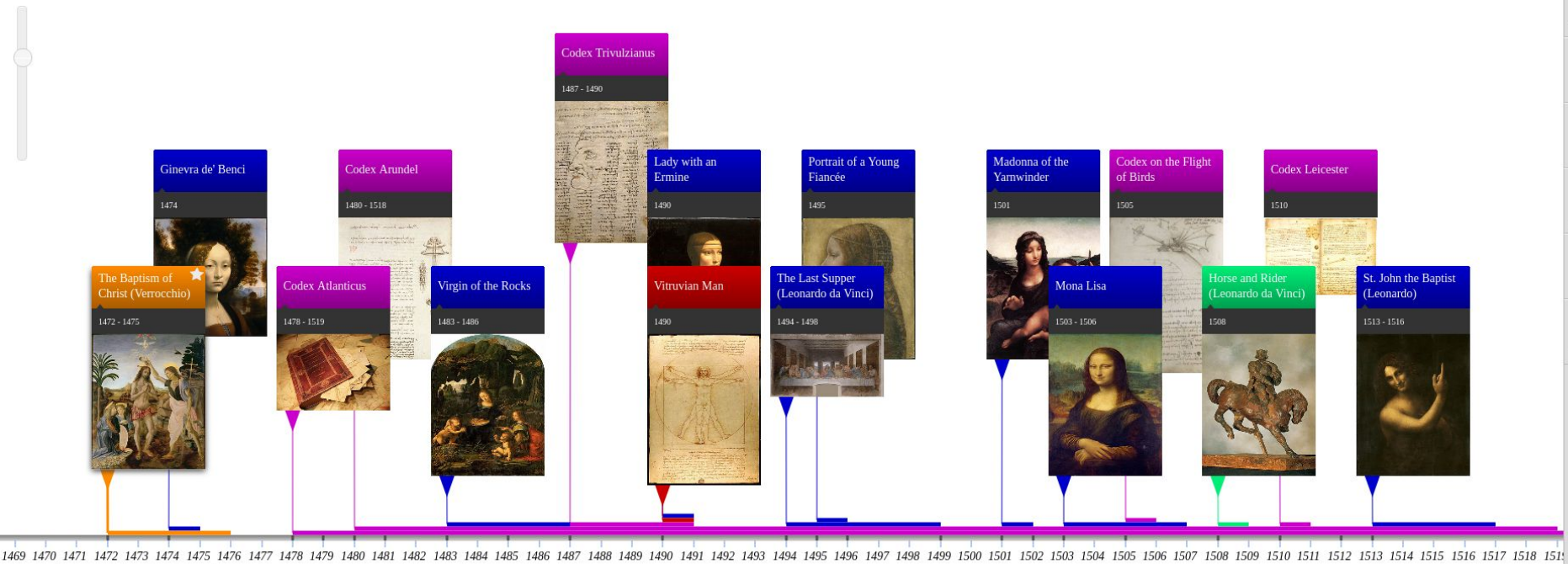
**Diameter** 10.0 metre

**Collecting area** 78.5 square metre

**Website** pole.uchicago.edu​​

Related media on Wikimedia Commons

[edit on Wikidata]



Works by Leonardo da Vinci

Share Timeline

Wikipedia

Twitter

Books

TV & Film

Music

YouTube

[Catalogs](#) | [Recent Changes](#) | [Disambiguation links](#) | [Same name](#) | [Creation candidates](#) | [Search](#) | [Permalink](#)

This tool can list entries of some external databases, and allows users to match them against Wikidata items.  
 Think 'red link lists on steroids'. See [the manual](#) for a how-to. *GLAM institutions*: Please read the unofficial [FAQ!](#)  
 You need log into [WiDaR](#) to make edits, then reload this page.

Legend: Manually matched Automatically matched Not on Wikidata N/A Unmatched

Catalog		Status
6DEG	<a href="#">Six degrees of Francis Bacon</a>	<div style="width: 100%;"><div style="width: 70%; background-color: #4CAF50;"></div><div style="width: 30%; background-color: #2196F3;"></div></div>
AAT	<a href="#">Art &amp; Architecture Thesaurus by the Getty Research Institute</a>	<div style="width: 100%;"><div style="width: 10%; background-color: #4CAF50;"></div><div style="width: 5%; background-color: #2196F3;"></div><div style="width: 85%; background-color: #9E9E9E;"></div></div>
ACAD	<a href="#">A Cambridge Alumni Database</a>	<div style="width: 100%;"><div style="width: 5%; background-color: #4CAF50;"></div><div style="width: 5%; background-color: #F44336;"></div><div style="width: 90%; background-color: #9E9E9E;"></div></div>
ADB	<a href="#">Australian Dictionary of Biography</a>	<div style="width: 100%;"><div style="width: 95%; background-color: #4CAF50;"></div><div style="width: 5%; background-color: #F44336;"></div><div style="width: 0%; background-color: #2196F3;"></div><div style="width: 0%; background-color: #9E9E9E;"></div></div>
AGOHRA events	<a href="#">AGORHA event ID</a>	<div style="width: 100%;"><div style="width: 0%; background-color: #4CAF50;"></div><div style="width: 0%; background-color: #2196F3;"></div><div style="width: 0%; background-color: #FF9800;"></div><div style="width: 0%; background-color: #F44336;"></div><div style="width: 100%; background-color: #9E9E9E;"></div></div>
AGOHRA work	<a href="#">AGORHA work ID</a>	<div style="width: 100%;"><div style="width: 5%; background-color: #2196F3;"></div><div style="width: 95%; background-color: #9E9E9E;"></div></div>
AGORHA person	<a href="#">identifier for a person or institution in the Agorha databas...</a>	<div style="width: 100%;"><div style="width: 40%; background-color: #4CAF50;"></div><div style="width: 20%; background-color: #2196F3;"></div><div style="width: 40%; background-color: #9E9E9E;"></div></div>
AUS-ORDER	<a href="#">General Division of the Order of Australia</a>	<div style="width: 100%;"><div style="width: 2%; background-color: #2196F3;"></div><div style="width: 98%; background-color: #9E9E9E;"></div></div>
AWLD	<a href="#">UNESCO Atlas of the World's Languages in Danger</a>	<div style="width: 100%;"><div style="width: 50%; background-color: #4CAF50;"></div><div style="width: 10%; background-color: #2196F3;"></div><div style="width: 40%; background-color: #9E9E9E;"></div></div>
AcademiaNet	<a href="#">Database for excellent female scientists</a>	<div style="width: 100%;"><div style="width: 98%; background-color: #4CAF50;"></div><div style="width: 2%; background-color: #F44336;"></div><div style="width: 0%; background-color: #2196F3;"></div><div style="width: 0%; background-color: #9E9E9E;"></div></div>
AdS	<a href="#">Archives du Spectacle: people in theater and live performers</a>	<div style="width: 100%;"><div style="width: 30%; background-color: #2196F3;"></div><div style="width: 70%; background-color: #9E9E9E;"></div></div>
Appletons	<a href="#">Appletons' Cyclopaedia of American Biography</a>	<div style="width: 100%;"><div style="width: 100%; background-color: #4CAF50;"></div><div style="width: 0%; background-color: #2196F3;"></div><div style="width: 0%; background-color: #FF9800;"></div><div style="width: 0%; background-color: #F44336;"></div><div style="width: 0%; background-color: #9E9E9E;"></div></div> ✓
Architectes diocésains	<a href="#">French diocesan architects</a>	<div style="width: 100%;"><div style="width: 80%; background-color: #4CAF50;"></div><div style="width: 2%; background-color: #F44336;"></div><div style="width: 18%; background-color: #9E9E9E;"></div></div>
Art UK venue	<a href="#">authority control identifier for venues housing art, in the ...</a>	<div style="width: 100%;"><div style="width: 60%; background-color: #4CAF50;"></div><div style="width: 10%; background-color: #2196F3;"></div><div style="width: 30%; background-color: #9E9E9E;"></div></div>
Artsy	<a href="#">Artsy artists</a>	<div style="width: 100%;"><div style="width: 30%; background-color: #4CAF50;"></div><div style="width: 30%; background-color: #2196F3;"></div><div style="width: 4%; background-color: #F44336;"></div><div style="width: 36%; background-color: #9E9E9E;"></div></div>





## Museo del Prado

Spanish national art museum

### Works in Museo del Prado



Christ Washing the Disciples' Feet painting by Jacopo Tintoretto in the Prado



The Triumph of Bacchus painting by Diego Velázquez

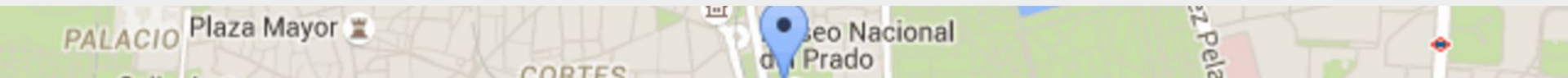


La maja desnuda painting by Francisco de Goya



Las Meninas painting by Diego Velázquez

Show more





## Available games

This is a list of available games. Games are loaded from different sources, and you can [add your own!](#)

**P1412****Author Language game**

populate the Languages written and spoken (P1412) property by guessing from notable works or citizenship. Report problems to User:Ijon

**Kian game**

[Kian](#) suggestions to add statements in items based on categories in Wikipedia articles. Contact [Amir](#) if a model has too much incorrect suggestions. 17 languages are supported. Source code can be found in [here](#)

**Primary sources**

Check if a third-party site is a source for a statement.

**Items without image**

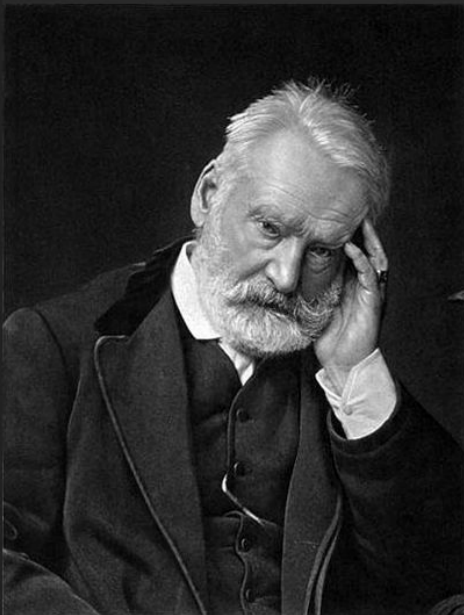
These items have no image, but there are some on their Wikipedia articles.

**Source MetaData**

Identify a scientist on a publication. Is it the one suggested?

add a  
bookfriends &  
groupsbrowse  
books

exchanges



## Victor Hugo

French poet, novelist, and dramatist

1802 - 1885

country of citizenship: France

native language: French

educated at: University of Paris, Lycée Louis-le-Grand

occupation: poet, politician, playwright, novelist,

draughtsperson, librettist, essayist, memoirist, writer

position held: member of parliament in France, member of the Senate of France

*Victor Hugo*

## Les Misérables

Les Misérables (pronounced /leˈmiʒəˈʁɑːb/ or /leˈmiʒəˈʁɑːb/; French pronunciation: [le mizeʁabl(ə)]) is a French historical novel by Victor Hugo, first published in 1862, that is considered one of the greatest novels...

author: Victor Hugo

1862

> [more details](#)

+ add to my inventory

🔍 in your network

## The Hunchback of Notre Dame



The Hunchback of Notre-Dame (French: Notre-Dame de Paris) is a French Romantic/Gothic novel by Victor Hugo published in 1831. The title refers to the Notre Dame Cathedral in Paris, on which the story is ...

author: Victor Hugo

1831

> [more details](#)

+ add to my inventory

🔍 in your network

## Ninety-Three



Ninety-Three (Quatrevingt-treize) is the last novel by the French writer Victor Hugo. Published in 1874, shortly after the bloody upheaval of the Paris Commune, the novel concerns the Revolt in the Vendée and ...

author: Victor Hugo

> [more details](#)

+ add to my inventory

🔍 in your network

## Cromwell

Cromwell is a play by Victor Hugo, written in 1827. It was influenced by Hugo's literary circle, which identified itself as Romanticist and chose as a model dramatist Shakespeare instead of the Classicists Jean Racine and ...

author: Victor Hugo

1827

> [more details](#)

+ add to my inventory

🔍 in your network

## The Man Who Laughs

The Man Who Laughs (also published under the title By Order of the King) is a novel by Victor Hugo, originally published in April 1869 under the French title L'Homme qui rit. Although among Hugo's most obscure works...

> [more details](#)

+ add to my inventory



## Ask me anything alpha version



Who is the director of "Her"?



This query engine is the result of the Master's degree project of seven students.

If you are interested by some technical aspects, please have a look at the [project website](#).



# Ask me anything alpha version



## Result

[Show internal results](#)

### Spike Jonze 🇺🇸 🌐

Spike Jonze (pronounced "Jones" /dʒoʊnz/; born Adam Spiegel; October 22, 1969) is an American director, producer, screenwriter and actor, whose work includes music videos, commercials, film and television. He started his feature film directing career with Being John Malkovich (1999) and Adaptation (2002), both written by Charlie Kaufman, and then started movies with screenplays of his own with Where the Wild Things Are (2009) and Her (2013). Jonze is well known for his music video collaborations with Fatboy Slim, Weezer, Beastie Boys, Björk and Kanye West. [Wikipedia](#)



This query engine is the result of the Master's degree project of seven students.

If you are interested by some technical aspects, please have a look at the [project website](#).

**Data is one of the most important  
resources of our time and we are an  
equalizing force**

# Important remaining struggles

Help, pretty please?

Data curation and maintenance ->  
better tools and community growth

Ensuring data quality -> references  
and more

Data reusability

Analysis of the data for blind spots  
and biases

Large scale consistency

---

# What's next for Wikidata?

ArticlePlaceholder

Automated list generation

Better connection in the linked open data web

Support for multimedia meta data  
(Wikimedia Commons)

Support for lexicographical data  
(Wiktionary)

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Find more maps showing coverage of individual Wikipedias at  
<https://dill.inf.tu-dresden.de/web/Wikidata/Maps-06-2015/en>



wikidata.org  
@wikidata  
#wikidata