

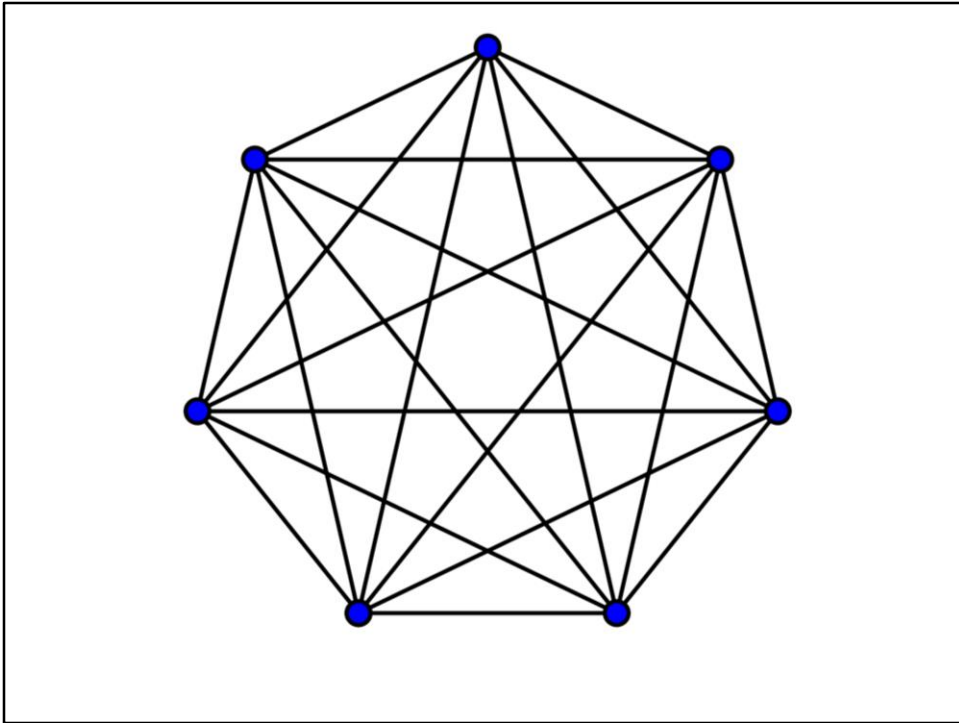
# Wikidata introductie

Wat kun je ermee? Hoe voeg je zelf data toe?

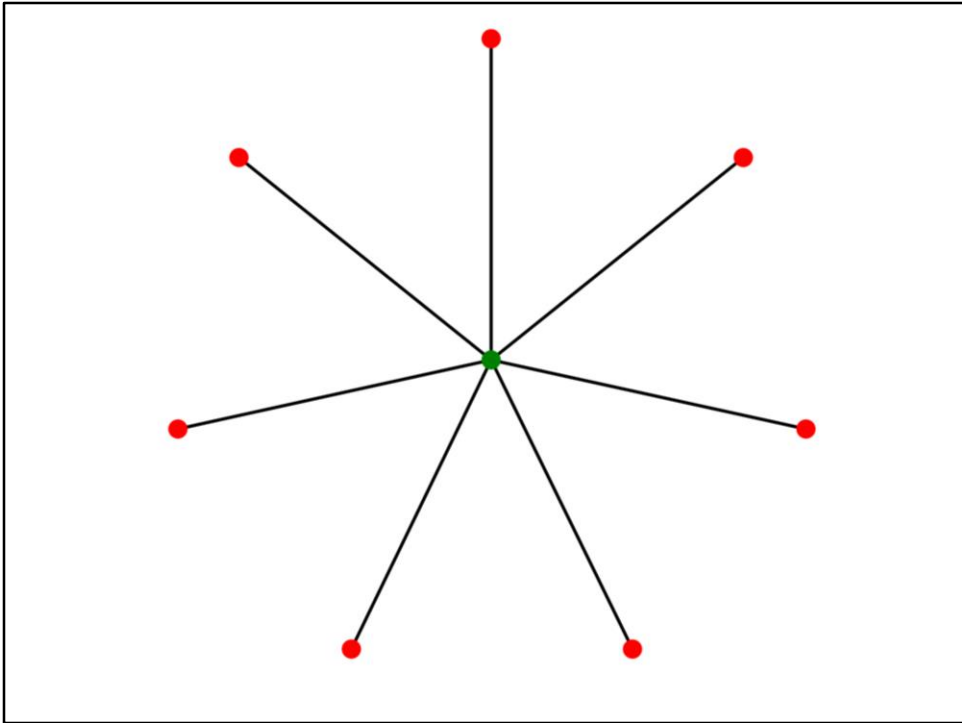
Maarten Dammers

@mdammers

- A general introduction to Wikidata, voor Vogin 2018
- Introduce myself. Nlwp, Commons, Wikidata, GLAMwiki, bots, Wiki Loves Monuments, uploads,



- Interlanguage (interwiki) links used to be local
- Lot's of bots running around doing updates.
- Didn't scale
- [https://commons.wikimedia.org/wiki/File:Complete\\_graph\\_K7.svg](https://commons.wikimedia.org/wiki/File:Complete_graph_K7.svg)



- Proposal to put this in a central place
- Start of Wikidata

https://www.wikidata.org/wiki/Q1

English Multichill Talk Preferences Beta Watchlist Contributions

Item Discussion Read Labels list View history More Search

**universe** (Q1)

totality of planets, stars, galaxies, intergalactic space, and all matter and energy  
cosmos | The Universe

In more languages


Language	Label	Description	Also known as
English	universe	totality of planets, stars, galaxies, interg...	cosmos The Universe
German	Universum	Gesamtheit der Energie, des Raumes u...	Weitall All Kosmos Weltraum
Spanish	universo	totalidad del espacio-tiempo, la materia ...	cosmos
French	Univers	ensemble des planètes, des étoiles, de...	Cosmos
Dutch	heelal	alle materie en energie binnen het geh...	universum kosmos cosmos
Portuguese	universo	tudo o que existe fisicamente, a totalida...	Universo cosmos

Main page  
Community portal  
Project chat  
Create a new item  
Item by title  
Recent changes  
Random 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

- It started with Q1, the universe somewhere back in October 2012
- This is what you call an item



**WIKIPEDIA**  
The Free Encyclopedia

Mullchill | Talk | Sandbox | Preferences | Beta | Watchlist | Contributions | Log out

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Article | Talk

Read | Edit | Edit source | View history

TW |

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**Universe**

From Wikipedia, the free encyclopedia

This is the **current revision** of this page, as edited by **Drow** ([talk](#) | [contribs](#)) at 12:14, 26 March 2018 (==Astronomical concepts). The present address (URL) is a [permanent link](#) to this version.

[\(diff\)](#) | [Previous revision](#) | [Latest revision \(diff\)](#) | [Newer revision](#) → [\(diff\)](#)

*For other uses, see [Universe \(disambiguation\)](#).*

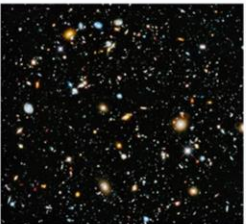
The **Universe** is all of [space](#) and [time](#)<sup>[a]</sup> and their contents, including [planets](#), [stars](#), [galaxies](#), and all other forms of [matter](#) and [energy](#). While the spatial size of the entire Universe is still unknown,<sup>[b]</sup> it is possible to measure the [observable universe](#).

The earliest scientific models of the Universe were developed by [ancient Greek](#) and [Indian philosophers](#) and were [geocentric](#), placing [Earth](#) at the centre of the Universe.<sup>[1][2][3]</sup> Over the centuries, more precise astronomical observations led [Nicolaus Copernicus](#) to develop the [heliocentric model](#) with the Sun at the centre of the [Solar System](#). In developing the [law of universal gravitation](#), [Sir Isaac Newton](#) built upon Copernicus's work as well as observations by [Tycho Brahe](#) and [Johannes Kepler](#)'s [laws of planetary motion](#).

Further observational improvements led to the realization that our Solar System is located in the [Milky Way](#) galaxy, which is one of many galaxies in the Universe. It is assumed that galaxies are distributed uniformly and the same in all directions, meaning that the Universe has neither an edge nor a center. Discoveries in the early 20th century have suggested that the Universe had a beginning and that it is expanding<sup>[4]</sup> at an increasing rate.<sup>[5]</sup> Roughly eighty percent of mass in the Universe appears to exist in an unknown form called [dark matter](#) which cannot be directly observed.<sup>[6]</sup>

The [Big Bang](#) theory is the prevailing [cosmological](#) description of the development of the Universe. Under this theory, space and time emerged together 13.799 ± 0.021 billion years ago<sup>[2]</sup> with a fixed amount of energy and matter that has become less dense as the Universe has expanded. After the initial expansion, the Universe cooled, allowing the first [subatomic particles](#) to form and then simple [atoms](#). Giant clouds later merged through gravity to form galaxies, stars, and everything else seen today. It is possible to see objects that are now further away than 13.799 billion [light-years](#) because

**Universe**



The [Hubble Ultra-Deep Field](#) image shows some of the most remote [galaxies](#) visible with present technology, each consisting of billions of stars. (Apparent image area about 1/79 that of a full moon)<sup>[1]</sup>

<b>Age (within Lambda-CDM model)</b>	13.799 ± 0.021 billion years <sup>[2]</sup>
<b>Diameter</b>	At least 156–554 billion light-years (47.8–170 billion parsecs) <sup>[3][4][5]</sup> (maybe infinite <sup>[6]</sup> )

- <https://en.wikipedia.org/w/index.php?title=Universe&oldid=832491446>



- Wikidata was born
- That was almost 5 years ago
- First edit October 2012
- Relatively young project (Wikipedia started in 2001)
- [https://commons.wikimedia.org/wiki/File:Logo\\_5th\\_Wikidata\\_Birthday.png](https://commons.wikimedia.org/wiki/File:Logo_5th_Wikidata_Birthday.png)

## Johannes Vermeer (Q41264)

[edit]

Dutch 17th century painter

Jan Vermeer | Johannes Vermeer van Delft

▼ In more languages

Language	Label	Description	Also known as
<a href="#">English</a>	Johannes Vermeer	Dutch 17th century painter	Jan Vermeer Johannes Vermeer van Delft
<a href="#">German</a>	Jan Vermeer	Holländischer Maler	Johannes Vermeer Joannis van der Meer Jan Vermeer van Delft Joannis ver Meer
<a href="#">Spanish</a>	Johannes Vermeer	No description defined	Johannes van der Meer Jan Vermeer Vermeer de Delft Vermer Jan Vermeer van Delft Johannes Vermeer van Delft Vermeer
<a href="#">French</a>	Johannes Vermeer	peintre hollandais	Vermer Jan Vermeer van Delft Jan Vermeer Vermeer de Delft Vermeer
<a href="#">Dutch</a>	Johannes Vermeer	Nederlands kunstschilder	

- The different parts of an item
- Label – No disambiguation
- Description – Short description
- Alias – Other names
- Every Wikipedia articles has an item



- Links to Wikipedia
- Also to other sites
- Badges



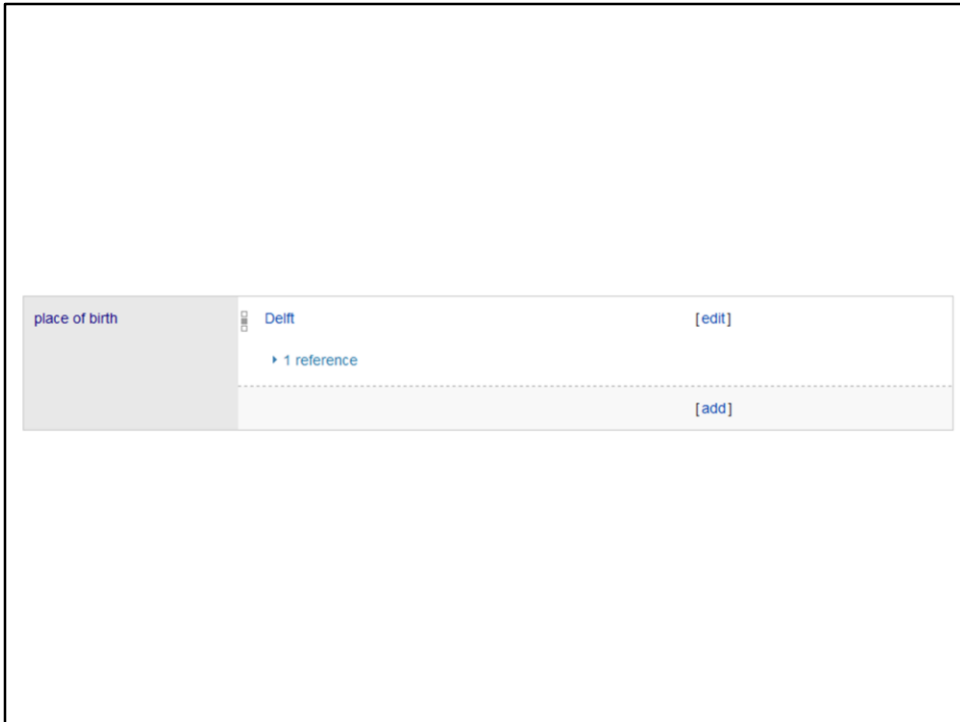
**place of birth** (P19) [edit]

the most specific known (e.g. city instead of country, or hospital instead of city)  
 birthplace | born in | POB | birth place | location born | born at | birth location | location of birth

▼ In more languages

Language	Label	Description	Also known as
<a href="#">English</a>	place of birth	the most specific known (e.g. city instead of c...	birthplace born in POB birth place location born born at birth location location of birth
<a href="#">German</a>	Geburtsort	Ort, in dem ein Mensch geboren wurde	geboren in
<a href="#">Spanish</a>	lugar de nacimiento	Sitio donde nació una persona. Usar el sitio m...	
<a href="#">French</a>	lieu de naissance	lieu où la personne est née, le plus spécifique...	né à naissance née à
<a href="#">Dutch</a>	geboorteplaats	de meest specifieke bekende geboorteplaats ...	
<a href="#">Portuguese</a>	local de nascimento	local de nascimento da pessoa (o mais espec...	lugar de nascimento nasceu em nascido em

- Properties, do be used on items
- Same structure with labels, descriptions, aliases
- Just like items all multilingual



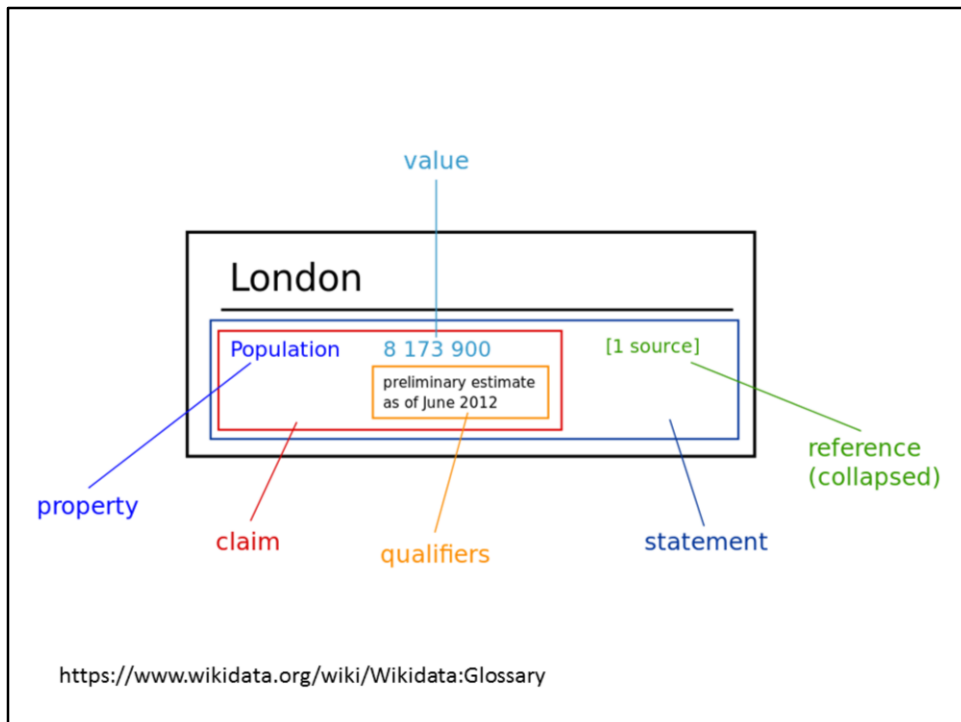
- A claim is a property -> right hand (can be item of some other type like string, image, coordinate)

inventory number	SK-A-2344	[edit]
	collection	Rijksmuseum
	▼ 1 reference	
		[edit]
	reference URL	<a href="https://www.rijksmuseum.nl/en/collection/SK-A-2344">https://www.rijksmuseum.nl/en/collection/SK-A-2344</a>
	retrieved	9 April 2015
		[add reference]
		[add]

- Claim with source added and here we have a qualifier
- This is called a statement
- References, we like references \*a lot\*: There is no truth, only sources



- Milkmaid!
- Previous statement is on the item about this painting
- [https://commons.wikimedia.org/wiki/File:Johannes\\_Vermeer\\_-\\_Het\\_melkmeisje\\_-\\_Google\\_Art\\_Project.jpg](https://commons.wikimedia.org/wiki/File:Johannes_Vermeer_-_Het_melkmeisje_-_Google_Art_Project.jpg) (?)



- Here you see the different parts
- Difference between claim and statement
- [https://commons.wikimedia.org/wiki/File:Wikidata\\_statement.svg](https://commons.wikimedia.org/wiki/File:Wikidata_statement.svg)



- Total about 37M items
- Millions of people (3M), many artists
- Deze personen linken ook weer naar andere databases
- [https://commons.wikimedia.org/wiki/File:Vincent\\_van\\_Gogh\\_-\\_Self-portrait\\_with\\_grey\\_felt\\_hat\\_-\\_Google\\_Art\\_Project.jpg](https://commons.wikimedia.org/wiki/File:Vincent_van_Gogh_-_Self-portrait_with_grey_felt_hat_-_Google_Art_Project.jpg)



- About 2M items about taxons
- Flowers (*Echinacea purpurea*)
- [https://commons.wikimedia.org/wiki/File:Echinacea\\_purpurea,\\_Jard%3ADn\\_Bot%3A1nico,\\_M%3BANich,\\_Alemania,\\_2013-09-08,\\_DD\\_01.jpg](https://commons.wikimedia.org/wiki/File:Echinacea_purpurea,_Jard%3ADn_Bot%3A1nico,_M%3BANich,_Alemania,_2013-09-08,_DD_01.jpg)

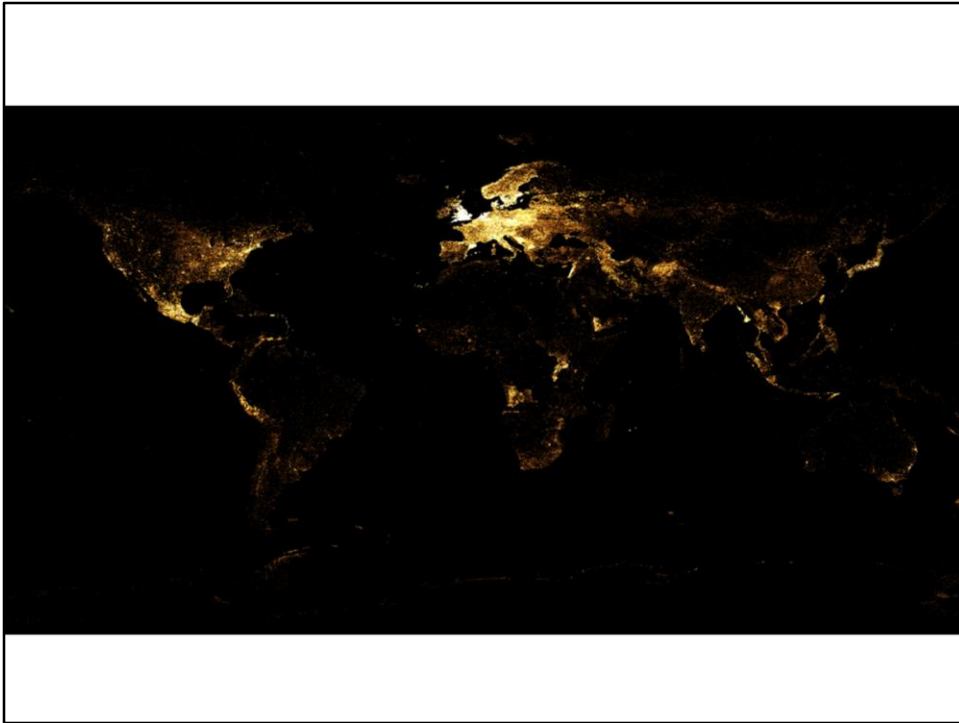


- About 2 M locations
- From the biggest cities (Hong Kong from Victoria peak)
- [https://commons.wikimedia.org/wiki/File:Hong\\_Kong\\_Night\\_Skyline.jpg](https://commons.wikimedia.org/wiki/File:Hong_Kong_Night_Skyline.jpg)





- To the tinyist towns Bodie California (ghost town)
- Most of these things come from Wikipedia. Now also slowly working on items without articles
- Took the picture myself, might be somewhere on Commons too



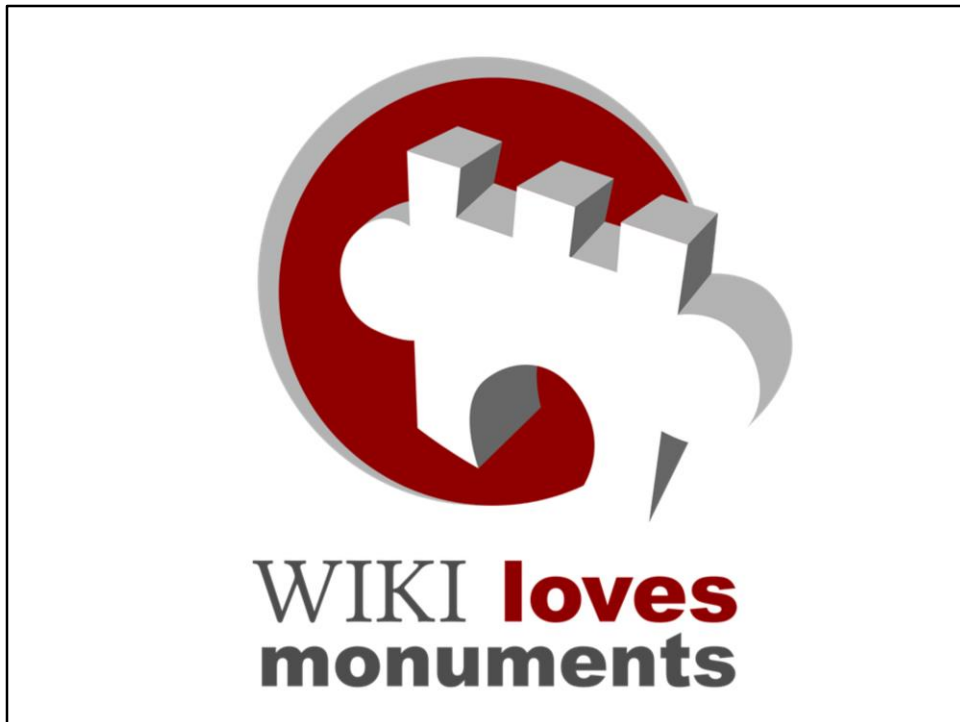
- Kaart van Wikidata items
- Elke item met coördinaat is een stipje



- Nederland zo goed te zien door de straten
- Daar kan je mooi de verbanden zien



- Het leggen van verbanden.
- Meeste straten vernoemd naar een schilder: 188 naar Rembrandt (en nog bezig)
- [https://commons.wikimedia.org/wiki/File:Rembrandt\\_van\\_Rijn\\_-\\_Self-Portrait\\_-\\_Google\\_Art\\_Project.jpg](https://commons.wikimedia.org/wiki/File:Rembrandt_van_Rijn_-_Self-Portrait_-_Google_Art_Project.jpg)



- For Wiki Loves Monuments I build the monuments database
- It contains 1,3 million records
- Create an entry for every historic building and kill it!
- Netherlands done, working on other countries
- [https://commons.wikimedia.org/wiki/File:LUSITANA\\_WLM\\_2011\\_d.svg](https://commons.wikimedia.org/wiki/File:LUSITANA_WLM_2011_d.svg)



- Historic buildings. More about that later
- Ongeveer 1,5 miljoen
- [https://commons.wikimedia.org/wiki/File:Sint-Hippolytuskerk,\\_Hervormde\\_kerk.jpg](https://commons.wikimedia.org/wiki/File:Sint-Hippolytuskerk,_Hervormde_kerk.jpg)





- 280.000 paintings
- [https://commons.wikimedia.org/wiki/File:Jan\\_Asselijn\\_-\\_De\\_doorbraak\\_van\\_de\\_Sint\\_Anthonisdijk\\_in\\_Amsterdam.jpg](https://commons.wikimedia.org/wiki/File:Jan_Asselijn_-_De_doorbraak_van_de_Sint_Anthonisdijk_in_Amsterdam.jpg)





### **The Art & Architecture Thesaurus (AAT)®**

*Catherine wheel or rose window?*  
AAT is a structured vocabulary, including terms, descriptions, and other information for generic concepts related to art, architecture, conservation, archaeology, and other cultural heritage.



### **The Cultural Objects Name Authority (CONA)®**

*Mona Lisa or La Gioconda?* CONA includes titles, attributions, depicted subjects, and other information about works of art and architecture as derived from scholarly literature, museum collections, special collections, archives, libraries, and indexing projects. CONA is linked to the AAT, TGN, and ULAN.



### **The Getty Thesaurus of Geographic Names (TGN)®**

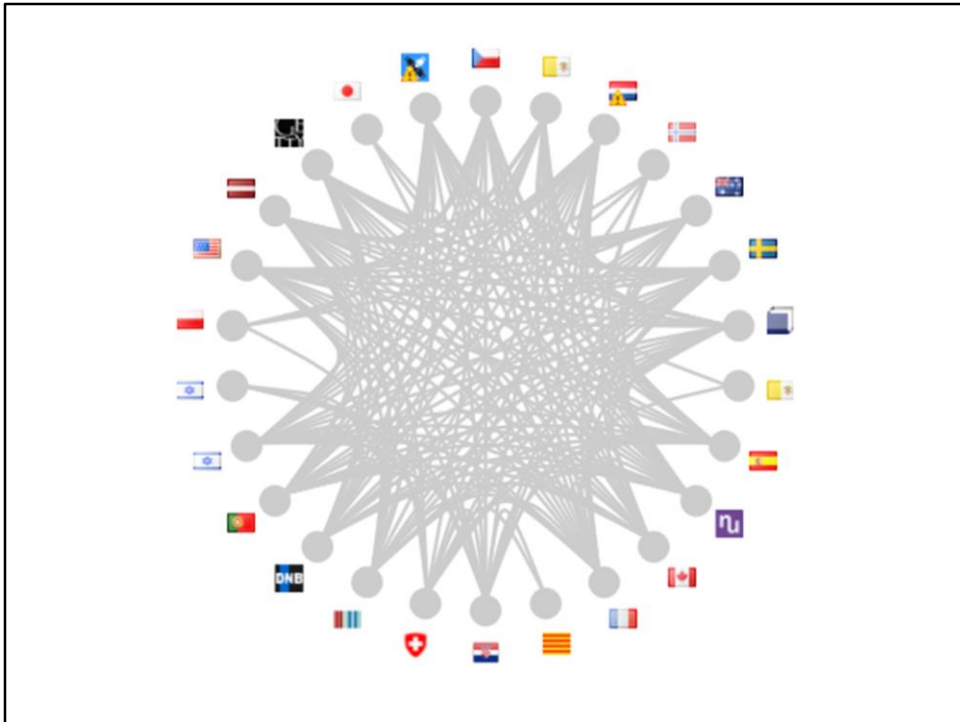
*London or Londinium?* TGN is a structured vocabulary, including names, descriptions, and other information for current and historical administrative places and physical features important to art and architecture.



### **The Union List of Artist Names (ULAN)®**

*Titian or Tiziano Vecellio?* ULAN is a structured vocabulary, including names, biographies, related people, and other information about artists, architects, firms, studios, museums, patrons, sitters, and other people and groups involved in the creation and study of art and architecture.

- Getty does authority control, we do to!
- We link to many. AAT is concepts, CONA is objects, TGN is locations, ULAN is people
- Screenshot of <http://www.getty.edu/research/tools/vocabularies/>



- Viaf! Already a history on Wikipedia
- Over 1 million links now
- GND over 0,5 M links now
- Viaf is switching from Wikipedia to Wikidata. YOU SHOULD DO THAT TOO!
- We also have the connected items (like NTA, 120.000) and we run bots
- [https://viaf.org/viaf/64013650/#Rembrandt\\_Harmenszoon\\_van\\_Rijn,\\_1606-1669](https://viaf.org/viaf/64013650/#Rembrandt_Harmenszoon_van_Rijn,_1606-1669)

<https://tools.wmflabs.org/mix-n-match/>

RKD artists	Rijksbureau voor Kunsthistorische Documentatie artist biogra...	
RKD images	RKS images subset	
SAAM biographies	Smithonian American Art Museum	
SBI	Slovenska biografija	
Sandart	A net-based research platform on the history of art and cult...	
Sycomore National Assembly	Sycomore database, by the French	
TGN	Thesaurus of Geographic NamesGetty Thesaurus of Geographic N...	
ULAN	Union List of Artist Names	
UNII	Unique Ingredient Identifier	
WGA	Web Gallery of Art: Image collection and database of Europea...	
Women in science	Collected all over the web; watch for duplicates, wrong entr...	
YourPaintings	BBC Your Paintings	

- Mix'n'Match is used to make initial matches
- Bot also do imports.
- Still a lot of work to do
- Meer dan duizend verschillende identifiers nu!
- Hier kan je zelf helpen
- <https://tools.wmflabs.org/mix-n-match/>

<https://tools.wmflabs.org/wikidata-game/>



#### Random game

A random game, from the list below, is selected each time.  
Makes for more variety.



#### Merge items

Some topics have duplicate items on Wikidata. Two items with the same title or alias will be suggested to you.  
Merge identical topics, tag items as different, or skip an item pair if you are not sure. Please be very careful!



#### Person

Many items about people on Wikidata have no "instance of" property.  
Decide if one of them is a **human**, or skip the item if you are not sure.



#### Gender

Many items about people on Wikidata have no **gender property** set.  
Add a sex/gender statement "male" or "female", or skip the item if you are not sure.



#### Occupation

These people have no **occupation**, but their articles suggest some.



#### Alma mater

These people have no **alma mater**, but their articles suggest some.

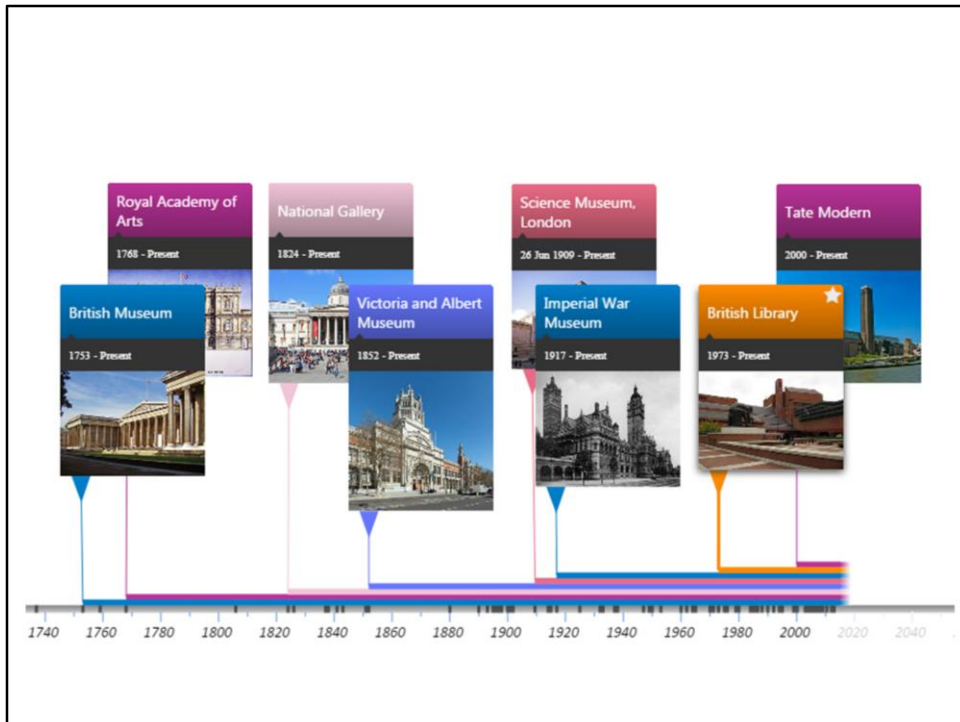


#### Country of citizenship

These people have a birth place, but no country of citizenship (P27).

- Wikidata games zijn een andere goede manier om te helpen

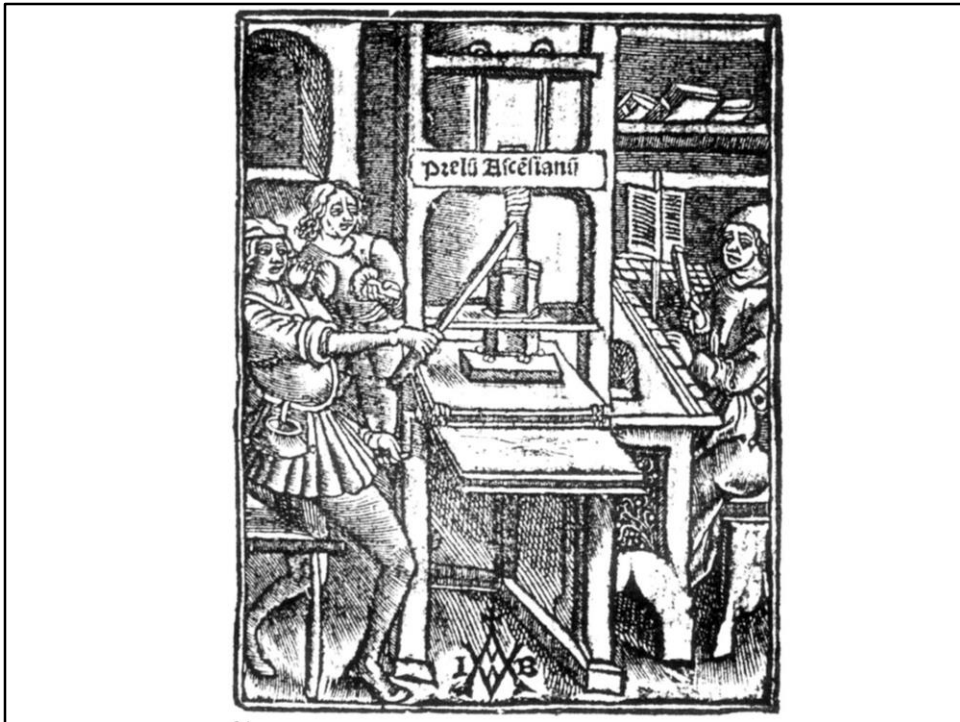




- Histropedia is een van de hergebruikers
- Siri kan je ook gebruiken
- Eurowings gebruikt het ook
- Ask Platypus noemen
- [https://commons.wikimedia.org/wiki/File:Histropedia\\_timeline\\_of\\_GLAM\\_institutions\\_in\\_London.jpg](https://commons.wikimedia.org/wiki/File:Histropedia_timeline_of_GLAM_institutions_in_London.jpg)

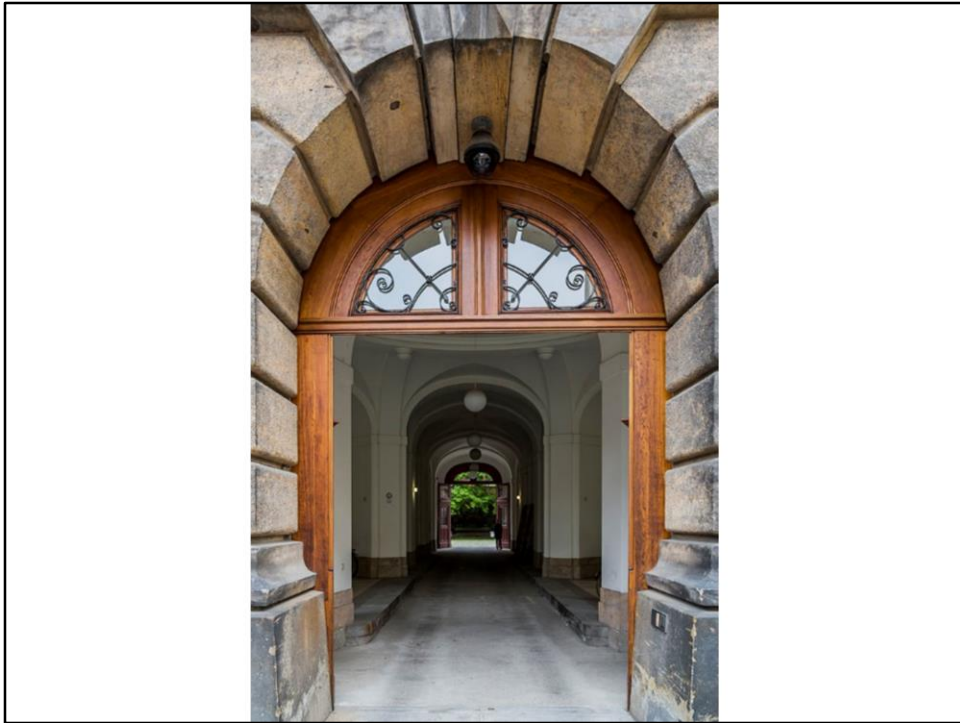


- Notability for example is very much in movement
- Is it useful data to add or is it just dumping trash?
- For the Wikipedians: Inclusionists vs deletionists
- Data has to be used and maintainable, we don't want to become a data landfill
- [https://commons.wikimedia.org/wiki/File:LOCAL\\_RESIDENTS\\_DUMP\\_TRASH\\_IN\\_CLYDE\\_KEPLEY%27S\\_SANITARY\\_LAND\\_FILL\\_-\\_NARA\\_-\\_542549.jpg](https://commons.wikimedia.org/wiki/File:LOCAL_RESIDENTS_DUMP_TRASH_IN_CLYDE_KEPLEY%27S_SANITARY_LAND_FILL_-_NARA_-_542549.jpg)



- Publish your data online
- Own website or platform like Europeana
- [https://commons.wikimedia.org/wiki/File:Jodocus\\_Badius\\_Ascensius\\_Druckermarke\\_Paris\\_1519\\_\(Isny\).jpg](https://commons.wikimedia.org/wiki/File:Jodocus_Badius_Ascensius_Druckermarke_Paris_1519_(Isny).jpg)





- Open it under a free license to encourage re-use
- Have an open access policy
- [https://commons.wikimedia.org/wiki/File:Dresden\\_Germany\\_Kunstakademie-01.jpg](https://commons.wikimedia.org/wiki/File:Dresden_Germany_Kunstakademie-01.jpg)



- ST Jerome in the Desert
- Wiki people like to work in peace and quiet from their homes
- They need to be able to find the data online. If the data isn't online, it looks like it doesn't exist
- [https://commons.wikimedia.org/wiki/File:Giovanni\\_Girolamo\\_Savoldo\\_-\\_Saint\\_Jerome\\_-\\_Google\\_Art\\_Project.jpg](https://commons.wikimedia.org/wiki/File:Giovanni_Girolamo_Savoldo_-_Saint_Jerome_-_Google_Art_Project.jpg)



- Any questions?
- Photo van Sebastiaan