

An introduction to Wikidata for sharing and visualising cultural heritage resources

DSDH-17

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Overview

- Introduction to Wikidata
- Wikimedia Commons
- Identifier properties
- Wikipedia integration
- Data visualisations



What is Wikidata?



- Collaboratively-created, multilingual knowledge base
- Structured data – machine readable
- Free – released under the public domain waiver (CC0)
- Linked to other database – provides authority control
- Secondary database – sources and references

A few statistics

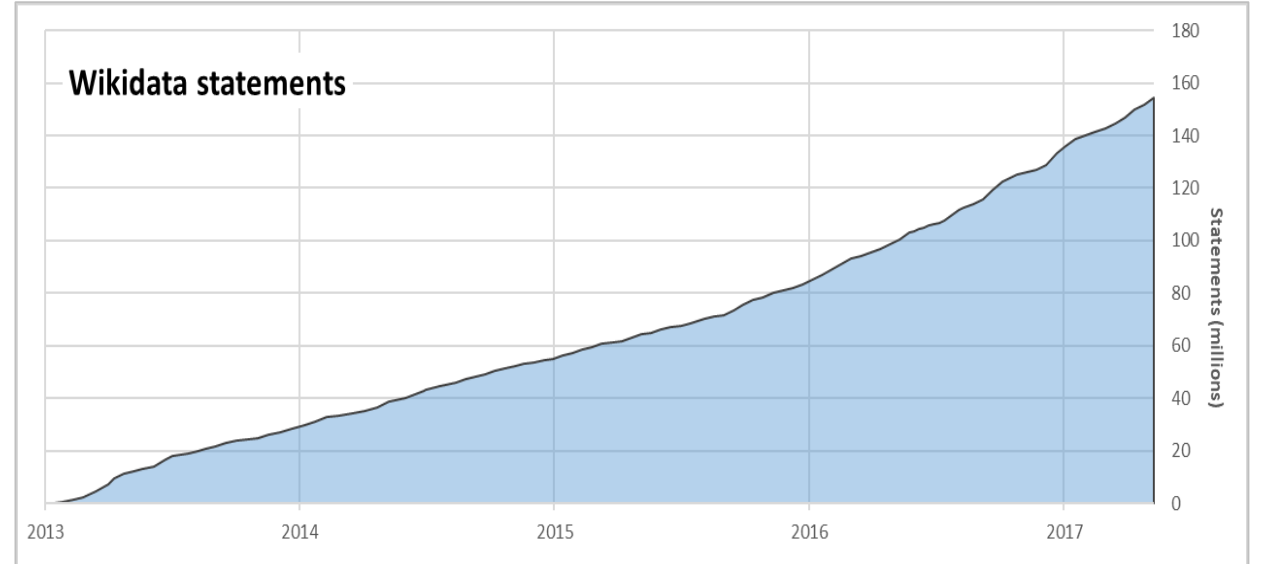
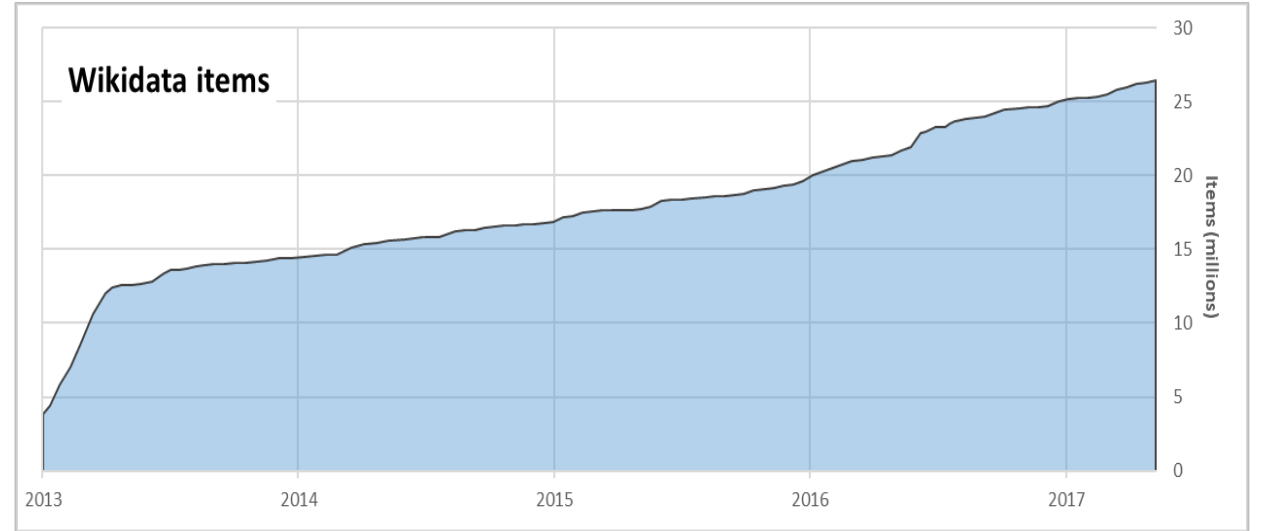
- 26,418,299 items

Described by

- 151,714,968 statements

Including

- 87,833,765 item link statements
- 6,254,956 time statements
- 3,347,070 geographic coordinate statements



label — **Douglas Adams** (Q42) — **item identifier**

description — English writer and humorist
 Douglas Noël Adams | Douglas Noel Adams — **aliases**
 ▶ In more languages

Statements

property — **educated at** — **value**

rank — **St John's College** — **qualifiers**

end time	1974
academic major	English literature
academic degree	Bachelor of Arts
start time	1971

statement group — **2 references** — **opened references**

stated in	Encyclopædia Britannica Online
reference URL	http://www.nndb.com/people/731/000023662/
original language of work	English
retrieved	7 December 2013
publisher	NNDB
title	Douglas Adams (English)

+ add reference

collapsed reference

Brentwood School

end time	1970
start time	1959

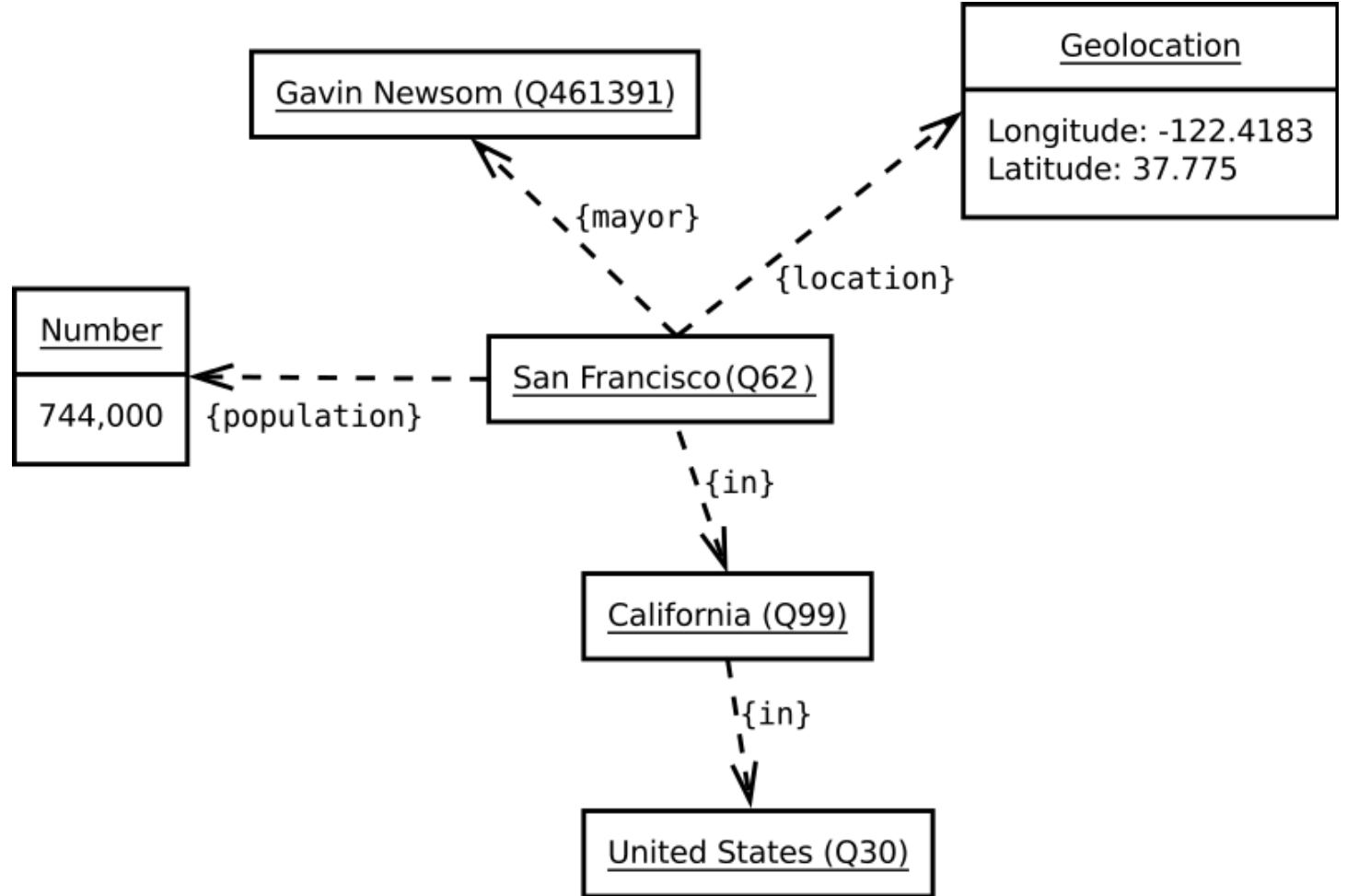
▶ 0 references

+ add (statement)

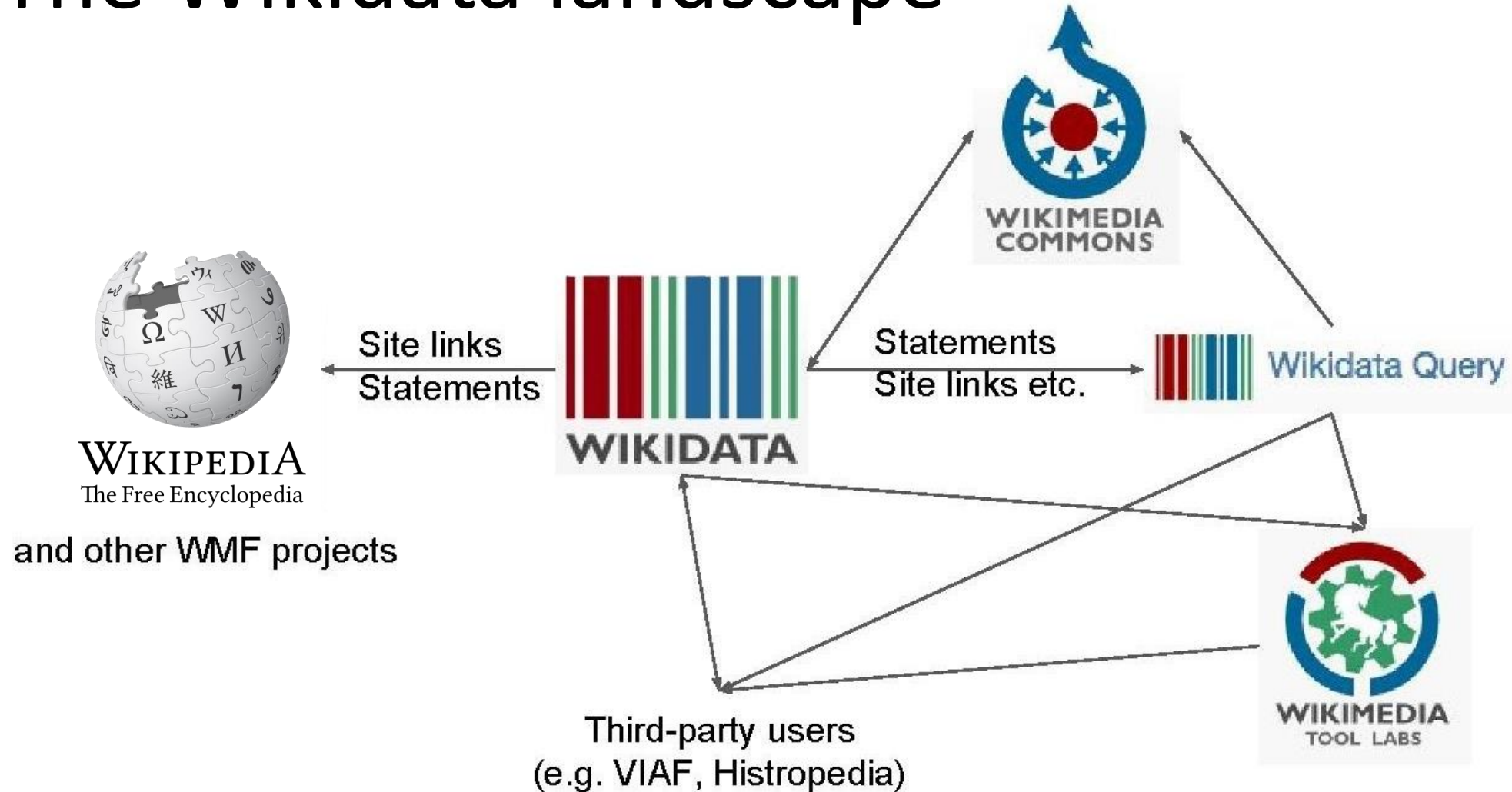
Linked data

San Francisco is linked to:

- Items
- Geolocation
- Number



The Wikidata landscape



Adapted from image by Magnus Manske (Own work) [CC BY-SA 4.0 (<http://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons (https://commons.wikimedia.org/wiki/File:MediaWiki_talk,_Bern,_2017-02-04,_Magnus_Manske.pdf)

Wikimedia Commons



- Media file repository
- Images, sound and video clips
- Public domain and freely-licensed content
- 40 million+ files

Commons category page view stats

Category	Months	Total views
Library of Congress	80	20,418,257,016
German Federal Archive	82	9,223,304,361
British Museum	82	3,277,464,429
Imperial War Museum	34	3,089,142,437
British Library	63	1,517,505,991
National Library of Wales	35	274,839,662

Images in Wikidata

File:Biblioteka Publiczna ul Koszykowa 26-28 03.jpg

From Wikimedia Commons, the free media repository

Download Use this file Use this file Email a link Information



Commons category: Warsaw Public Library [edit](#)
1 reference

+ add

image: [Biblioteka Publiczna ul Koszykowa 26-28 03.jpg](#) [save](#) [cancel](#) [add qualifier](#)
0 references

+ add reference

+ add

Wikipedia (3 entries) [edit](#)

de	Stadtbibliothek Warschau	[ref]
en	Warsaw Public Library	[ref]
pl	Biblioteka Publiczna m.st. Warszawy	[ref]

Wikibooks (0 entries) [edit](#)

Wikinews (0 entries) [edit](#)

Size of this preview: 761 × 600 pixels
Add a note
Original file (2,400 × 1,891)

Image (P18)

- flag image (P41)
- coat of arms image (P94)
- signature image (P109)
- logo image (P154)
- seal image (P158)
- locator map image (P242)
- scanned file on Wikimedia Commons (P996)
- image of grave (P1442)
- monogram (P1543)
- detail map (P1621)
- place name sign (P1766)
- commemorative plaque image (P1801)
- service ribbon image (P2425)
- sectional view (P2713)
- collage image (P2716)
- sheet music (P3030)
- plan image (P3311)
- film poster (P3383)
- nighttime view (P3451)
- shield image (P4004)

Mix'n'Match

- 480 external catalogues
- Match identifiers with Wikidata items
- Identifiers are added to item pages – creating link to external information
- Semi and fully automatic matching
- Manual matching - browsing and searching
- Download matched records

Mix'n'match English Welcome, Sic19 Search Search

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. For an alternative, see [OpenReconcile](#).

Group: None | [By type](#) Order: By ID | [By completeness](#) | [By name](#) Completed: Inline | [Section](#)

All catalogs

ODNB	Oxford Dictionary of National Biography	100%	✓
Art UK artist ID	BBC Your Paintings	61% 38%	
CE1913	Catholic Encyclopedia (1913)	51% 14% 0%	
Appletons	Appletons' Cyclopaedia of American Biography	99%	✓
Houbraken	De groote schouburgh der Nederlandsche konstschilders en schilderes	100%	✓
BLSHL	Biographisches Lexikon fuer Schleswig-Holstein und Luebeck	7% 35% 0%	
HamBio	Hamburgische Biografie	100%	✓
LdEDA	Lexikon deutschsprachiger Epik und Dramatik von Autorinnen	100%	✓
Sandart	A net-based research platform on the history of art and culture in the	90% 1%	
Women in science	Collected all over the web; watch for duplicates, wrong entries!	95% 4%	✓
WGA	Web Gallery of Art: Image collection and database of European fine art	100%	✓
DAH	Dictionary of Art Historians: A Biographical Dictionary of Historic Schol	98%	✓
RKD artists	Rijksbureau voor Kunsthistorische Documentatie artist biographies	13% 8% 30%	
MEPs	Members of European Parliament	100%	✓
Biografisch	Dit is de site van het Biografisch Portaal van Nederland	22% 20%	
OpenPlaques	Documenting the historical links between people and places, as record	36% 4% 0%	
BEIC authors	Classical authors	100%	✓
ELEM	Enciclopedia de la Literatura en México	13% 1%	
GAMEO	Global Anabaptist Mennonite Encyclopedia Online	12% 1%	
PSB	The Polish Biographical Dictionary (PSB)	25% 12% 3%	
ACAD	A Cambridge Alumni Database	5% 2%	
CLARA	Database about women visual artists	24% 6% 0%	
UNII	Unique Ingredient Identifier	67% 20%	
E numbers	EU approved food additives and their E Numbers	99%	✓

Warsaw Public Library

- Matched with ISNI
- ISNI (P213) identifier property added to Wikidata
- Link from Wikidata to ISNI is created
- ISNI is linked to authority files, including VIAF
- Authority files can be added to Wikidata
- Wikidata will appear in VIAF

Mix'n'match English Welcome, Sic19 Warszawy biblioteka Search

Warszawy biblioteka Search Exclude catalogs from search

# ISNI:	Biblioteka na Koszykowej; Warszawa, , PL; www.biblpubl.waw.pl	Not matched
Biblioteka Publiczna m st Warszawy Biblioteka Główna Województwa Mazowieckiego		
Search Wikidata Search en.wikipedia Google-search Wikipedias Google-search Wikidata		Set Q New item N/A
# OpenISNI-1:	Warszawa, PL, http://www.biblpubl.waw.pl/	Not matched
Biblioteka Publiczna m st Warszawy Biblioteka Główna Województwa Mazowieckiego		
Search Wikidata Search en.wikipedia Google-search Wikipedias Google-search Wikidata		Set Q New item N/A
# ISNI:	District Public Library in Warsaw Ochota; Warszawa, , PL; bpochota.waw.pl	By Sic19
Biblioteka Publiczna w Dzielnicy Ochota m st Warszawy		
Ochota District Public Library [Q9170863]	Public library in Warsaw, Poland; library in Warsaw, Poland	Remove
# ISNI:	Biblioteka Publiczna w Dzielnicy Targówek m st Warszawy; Warszawa, , PL; www.multibiblioteka.waw.pl	Not matched
Biblioteka Publiczna w Dzielnicy Targówek m st Warszawy		
Search Wikidata Search en.wikipedia Google-search Wikipedias Google-search Wikidata		Set Q New item N/A
# OpenISNI-1:	Warszawa, PL, http://bpochota.waw.pl/	By Sic19
Biblioteka Publiczna w Dzielnicy Ochota m st Warszawy		
Ochota District Public Library [Q9170863]	Public library in Warsaw, Poland; library in Warsaw, Poland	Remove

VIAF (Virtual International Authority File)



- Aggregates authority control data from 45 institutions
- Includes personal and organisational names, works and their translations
- Creates a cluster record for each unique name with links to national authority records
- Links in Wikidata (and thus Wikipedia)
- One of most frequently accessed sources consumed by linked data services
- Over 1 million Wikidata items have a VIAF Identifier



VIAF identifier

34457918

3 references



WIKIPEDIA
The Free Encyclopedia

Authority control

WorldCat Identities [WorldCat Identities](#) • VIAF: [34457918](#) •
LCCN: [n79081313](#) • ISNI: [0000 0001 2127 2257](#) •
GND: [118548018](#) • SELIBR: [205911](#) •
SUDOC: [026917688](#) • BNF: [cb119071433](#) (data)



维基百科
自由的百科全书

规范控制

WorldCat标识符 [WorldCat标识符](#) • VIAF: [34457918](#) • LCCN:
[n79081313](#) • ISNI: [0000 0001 2127 2257](#) • GND:
[118548018](#) • SELIBR: [205911](#) • SUDOC:
[026917688](#) • BNF: [cb119071433](#) (数据) •



- Main page
- Contents
- Featured content
- Current events
- Random article
- Donate to Wikipedia
- Wikipedia store
- Interaction
- Help
- About Wikipedia
- Community portal
- Recent changes
- Contact page
- Tools
- What links here
- Related changes
- Upload file
- Special pages
- Permanent link
- Page information
- Wikidata item**
- Cite this page
- JS Wiki Browser
- JS Wiki Browser
- Print/export
- Create a book
- Download as PDF
- Printable version
- In other projects
- Wikimedia Commons

National Library of Poland

From Wikipedia, the free encyclopedia

Coordinates: 52°12′52″N 21°00′16″E﻿ / ﻿

The **National Library of Poland** (Polish: *Biblioteka Narodowa*) is the central Polish library, subject directly to the [Ministry of Culture and National Heritage of the Republic of Poland](#).

The library collects books, journals, electronic and audiovisual publications published in the territory of Poland, as well as Polonica published abroad. It is the most important humanities research library, the main archive of Polish writing and the state centre of bibliographic information about books. It also plays a significant role as a research facility and is an important methodological center for other Polish libraries.

The National Library receives a copy of every book published in Poland as [legal deposit](#). The [Jagiellonian Library](#) is the only other library in Poland to have a [national library](#) status.

Biblioteka Narodowa
(National Library of Poland)



Type National library
Established 1928 (89 years ago)
(Imperial Public Library was

Contents [hide]

- Organizational structure
- History
- Collections
- See also
 - Notes
 - References
- External links

Organizational structure [edit]

- There are three general sections:
- The Library
 - The Bibliographic Institute of the Nation
 - The Book and Readership Institute

History [edit | edit source]

The National Library's history has origins in the [Sobieski](#) which were obtained from his gra

National Library of Poland (Q856423)

national library *English* [edit](#)

▼ In more languages Configure

Language	Label	Description	Also known as
British English	National Library of Poland	No description defined	
English	National Library of Poland	national library	Biblioteka Narodowa National Library
Welsh	No label defined	No description defined	
French	Bibliothèque nationale de Pologne	No description defined	BN Biblioteka Narodowa

[All entered languages](#)

Statements

instance of	 national library	edit
	► 1 reference	
	+ add	

- Wikipedia (20 entries) [edit](#)
- be Нацыянальная бібліятэка Польшчы [ref]
 - ca Nacyonalna bibliyoteka Polshchy [ref]
 - ca Biblioteca Nacional de Polònia [ref]
 - ca Biblioteca Nacional de Polònia [ref]
 - csb Nôrodnô Biblioteka (Warszawa) [ref]
 - csb Norodno Biblioteka (Warszawa) [ref]
 - de ~~Biblioteka Narodowa~~ [ref]
 - en National Library of Poland** [ref]
 - eo Nacia Biblioteko de Pollando [ref]
 - es Biblioteca Nacional de Polonia [ref]
 - fa کتابخانه ملی لهستان ktabkhanh mly lhstan [ref]
 - fi Puolan kansalliskirjasto [ref]
 - fr Bibliothèque nationale (Pologne) [ref]
 - fr Bibliothèque nationale (Pologne) [ref]
 - hy Լեհաստանի ազգային գրադարան [ref]
 - hy Լեհաստանի ազգային գրադարան [ref]
 - ka პოლონეთის ეროვნული ბიბლიოთეკა [ref]
 - ka polonethis erovnuli bibliotheka [ref]
 - ko 국립도서관 (폴란드) .guk립도서관 (폴란드) [ref]
 - nl Nationale Bibliotheek van Polen [ref]
 - pl Biblioteka Narodowa (Warszawa) [ref]
 - ru Национальная библиотека Польши [ref]
 - ru Национальная библиотека Польши [ref]

{{Authority control}}

The screenshot shows a Wikipedia edit interface. At the top, there's a navigation bar with 'Advanced', 'Special characters', and 'Help'. Below it, a toolbar contains 'Templates', 'Named references', and 'Error check'. The main editing area shows a code block for a references section. The code includes `== References ==`, `{{Reflist}}`, and a highlighted `{{Authority control}}` template. Below the template, there's a list of categories for 'Warnow-Blewett, Joan', including '1931 births', 'American archivists', and 'Living people'. At the bottom, an 'Edit summary' field contains the text `/* References */ depreciating Authority control to Wikidata`. There are also checkboxes for 'minor edit' and 'Watch this page', and a 'Save page' button.

Add the following authority files from Wikidata:

- VIAF ID (P214)
- LCAuth identifier (P244)
- ISNI (P213)
- ORCID iD (P496)
- GND ID (P227)
- SELIBR (P906)
- SUDOC authorities (P269)
- BnF ID (P268)
- ULAN ID (P245)
- Biografisch Portaal number (P651)
- MusicBrainz artist ID (P434)
- NLA (Australia) ID (P409)
- NDL Auth ID (P349)
- BIBSYS ID (P1015)
- ResearcherID (P1053)
- RKDartists ID (P650)

Authority control	WorldCat Identities · VIAF: 34457918 · LCCN: n79081313 · ISNI: 0000 0001 2127 2257 · GND: 118548018 · SELIBR: 205911 · SUDOC: 026917688 · BNF: cb119071433 (data) · MusicBrainz: d5efb3bf-4d84-4c70-a461-d8e3cdb4b755 · NLA: 35184852 · NDL: 00442914 · NKC: jn19990003328 · ICCU: IT\ICCU\CFIV005337 · RLS: 000085041 · BNE: XX841477
--------------------------	--

{{Infobox World Heritage Site}}



Editing Venice

```
[[File:VenedigVomSchiff2002Video.ogg|right|thumb|Venice seen from ship.]]
[[File:View of the Grand Canal from Rialto to Ca'Foscari.jpg|thumb|Grand Canal +
[[File:Gaspar van Wittel - View of the San Marco Basin.JPG|thumb|View of [[San M
[[File:Canaletto Grand Canal from Palazzo Flangini - JPGM.jpg|thumb|''[[The Gra
Getty Museum, Los Angeles]].]]
[[File:Rio di Ca Foscari (Venice) 2.jpg|thumb|Venice view from the Bridge Foscari
[[File:Sunset gondola Basilica Della Salute - jpg|thumb|Gondola Dute a Basilica
```

```
[[File:Rialto Bridge Grand Canal.jpg|225px|
|State Party = Italy
|Type = Cultural
|Criteria = i, ii, iii, iv, v, vi
|ID = 394
|Region = [[List of World Heritage Sites in Europe|E
|Year = 1987
|Session = 11th
|Link = http://whc.unesco.org/en/list/394
}}
```

Venice and its Lagoon
Venezia, Venesia



UNESCO World Heritage Site

Location Italy, Austrian Empire, Kingdom of Italy, Austrian Empire, Habsburg Empire, France, Republic of Venice

Area 414,570,000 m² (4.4624 × 10⁹ sq ft)

Criteria i, ii, iii, iv, v, vi

Reference 394

Coordinates 45°26′23″N 12°19′55″E﻿ / ﻿45.43972°N 12.33194°E﻿ / 45.43972; 12.33194

Inscription 1987 (11th Session)

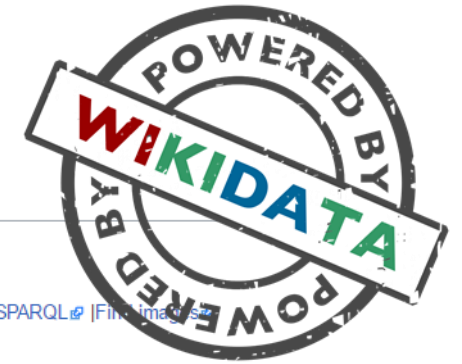
Website www.comune.venezia.it



Location of Venice

[\[edit on Wikidata\]](#)

Listeria – Wikidata list template



User:Sic19/authors of books burned in 1933

From Wikipedia, the free encyclopedia
< User:Sic19

This list is automatically generated from data in Wikidata and is periodically updated by Listeriabot.

Automatically update the list now | SPARQL | Find images

Edits made within the list area will be removed on the next update!

image	name	description	occupation	date of birth	place of birth	date of death	place of death	archives at
	Maxim Gorky	Russian and Soviet writer	writer playwright novelist autobiographer diarist screenwriter journalist poet	1868-03-16	Nizhny Novgorod	1936-06-18	Gorki Leninskiye Moscow	University of Pennsylvania Libraries Library of Congress
	Albert Einstein	German-American physicist and founder of the theory of relativity	theoretical physicist philosopher of science inventor science writer educator university teacher teacher professor physicist non-fiction writer	1879-03-14	Ulm	1955-04-18	Princeton	Swiss Literary Archives
	Walter Benjamin	German literary critic, philosopher and social critic (1892-1940)	philosopher writer translator essayist literary critic sociologist	1892-07-15	Berlin	1940-09-26	Portbou	National Library of Israel Museum of Modern Art

Dynamic Wikidata lists

Dynamic Wikidata Lists [Create new list](#) [About this tool](#) Logged in as Sic19

Libraries damaged during World War II







by Sic19 150 items in list Last update: 2017-06-26 00:17:05 [Force list update](#) [Find images](#) [AutoList](#)

[Data](#) [View](#) [Columns](#) [Sections](#)

Language:

Sectioning: one table per section one big table tabbed

[Germany](#) [Poland](#) [United Kingdom](#) [Czech Republic](#) [France](#) [Italy](#) [People's Republic of China](#) [Netherlands](#) [Austria](#) [Belgium](#) [Ukraine](#) [Hungary](#) [Philippines](#) [Romania](#) [Other](#)

country	image	Label	located in the administrative territorial entity	instance of
Poland		Raczyński Library	Poznań	library
Poland		Załoski Library	Śródmieście	public library
Poland		National Library of Poland	Warsaw	national library
Poland		Central Judaic Library	Warsaw	library
Poland		Warsaw University Library	Warsaw	library college library
Poland		Ossolineum	Wrocław	publisher

Reasonator – Douglas Adams

Reasonator Random item British English Find Other

Douglas Adams (Q42)

Douglas Noël Adams | Douglas Noel Adams | Douglas N. Adams | DNA | Адамс, Дуглас | Дуглас Адамс | 亞當斯 | Ἰησίου, Γηλιώμου | Ντάγκλας Νόελ Ανταμς | ダグラス・アダムズ | डगलस नोएल अडमस | Дуглас Ноел Адамс | דאָגלאַס אָדאַמס | 더글라스 애덤스 | 더글러스 노엘 애덤스 | 더글러스 애덤스 | Ντάγκλας Ανταμς | دوغلاس ادامز | دوچلاس ادامز | Дъглас Адамс | داگلائس آدامز | דאָגלאַס אָדאַמס | ダグラス・アダムズ | דאָגלאַס אָדאַמס | Duglassius Adams | Duglass Adamss | Даглас Адамс | डग्लस अडमस | டக்ளஸ் ஆடம்ஸ் | 道格拉斯·亚当斯 | 道格拉斯·亞當斯 | Дуглас Адамс | Adams Duglas | ڈگلس ایڈمز | Daglas Adams | دمگلائس ئادامز

English writer and humourist

male **writer** / **playwright** / **screenwriter** / novelist / children's writer / science fiction writer / comedian / author from United Kingdom


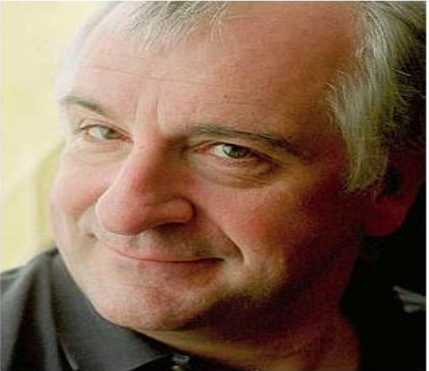
Relatives

Parents	Siblings
father ♂ Christopher Douglas Adams	P9 ♀ Susan Adams
mother ♀ Janet Adams	
Children	Other
child ♀ Polly Jane Rocket Adams	spouse ♀ Jane Belson start date : 1991-11-25 [AL] end date : 2001-05-11 [AL]

[See the full family tree: inline/new page](#)

Other properties

native language	English West Germanic language originating in England
	British English form of the English language used in the United Kingdom
employer	BBC British public service broadcaster
place of burial	Highgate Cemetery place of burial in north London, England
manner of death	natural causes manner of death



External sites

[official website](#)

External sources

AllMovie artist [p279442](#)
AllCiné

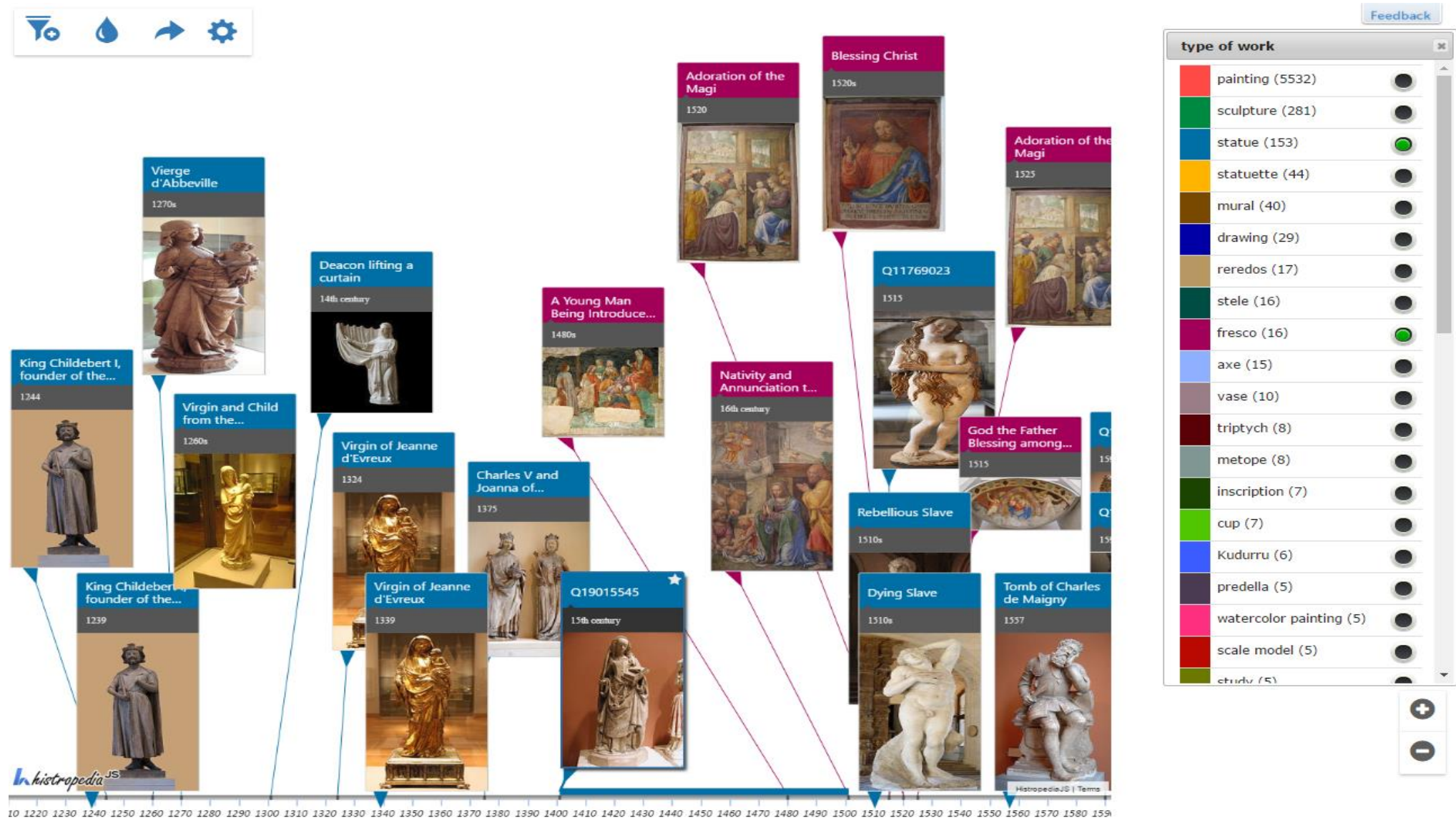
Crotos

- Multilingual artwork browser
- Searches Wikidata
- Files from Commons
- Links to Wikipedia
- Filter artworks by type (e.g. painting, sculpture), time period, creator, institution, etc.

The screenshot displays the Crotos website interface. At the top left is the Crotos logo, a winged figure on a horse, with the text 'Crotos', 'Cosmos', 'Callisto', and 'Lab' below it. To the right is a search bar with a 'Search' button and a language dropdown set to 'English'. Below the search bar, it shows 'Results 21 - 40 of 668'. A navigation bar contains filters for 'Type', 'Creator', 'Movement', 'Genre', 'Based on', 'Subject heading', 'Depicts', 'Exhibition', and 'Collection'. A 'Minimum 1' dropdown is also present. Below the filters are pagination controls: 'Previous', '1', '2' (selected), '3', '4', '5', '...', '34', 'Next', and 'Random'. The main content area shows a grid of nine artwork thumbnails, each with a title and the number of results:

- wayside cross (411 results)
- fresco (405 results)
- archaeological artifact (390 results)
- illuminated manuscript (370 results)
- series of creative works (344 results)
- pastel (325 results)
- polyptych (288 results)
- woodcut print (277 results)
- group of paintings (261 results)

Histropedia - The Louvre collections



<http://www.histropedia.com/showcase/wikidata-viewer.html> (see examples)

Wikidata query service (WDQS)

Wikidata Query

Examples Prefixes Tools Help

English

```
1 #1933 book burning locations
2 #defaultView:Map
3 SELECT ?item ?name ?coord ?image WHERE {
4   wd:Q3927614 wdt:P276 ?item .
5   OPTIONAL { ?item wdt:P625 ?coord . }
6   OPTIONAL { ?item wdt:P18 ?image . }
7   SERVICE wikibase:label {
8     bd:serviceParam wikibase:language "en" .
9     ?item rdfs:label ?name
10  }
11 }
```

Query Helper

Find Nazi book burnings location

Show coordinate location , image

Limit

Press [CTRL-SPACE] to activate auto completion. Data updated a few seconds ago

Run Clear 80 Results in 320 ms

Display Download Link

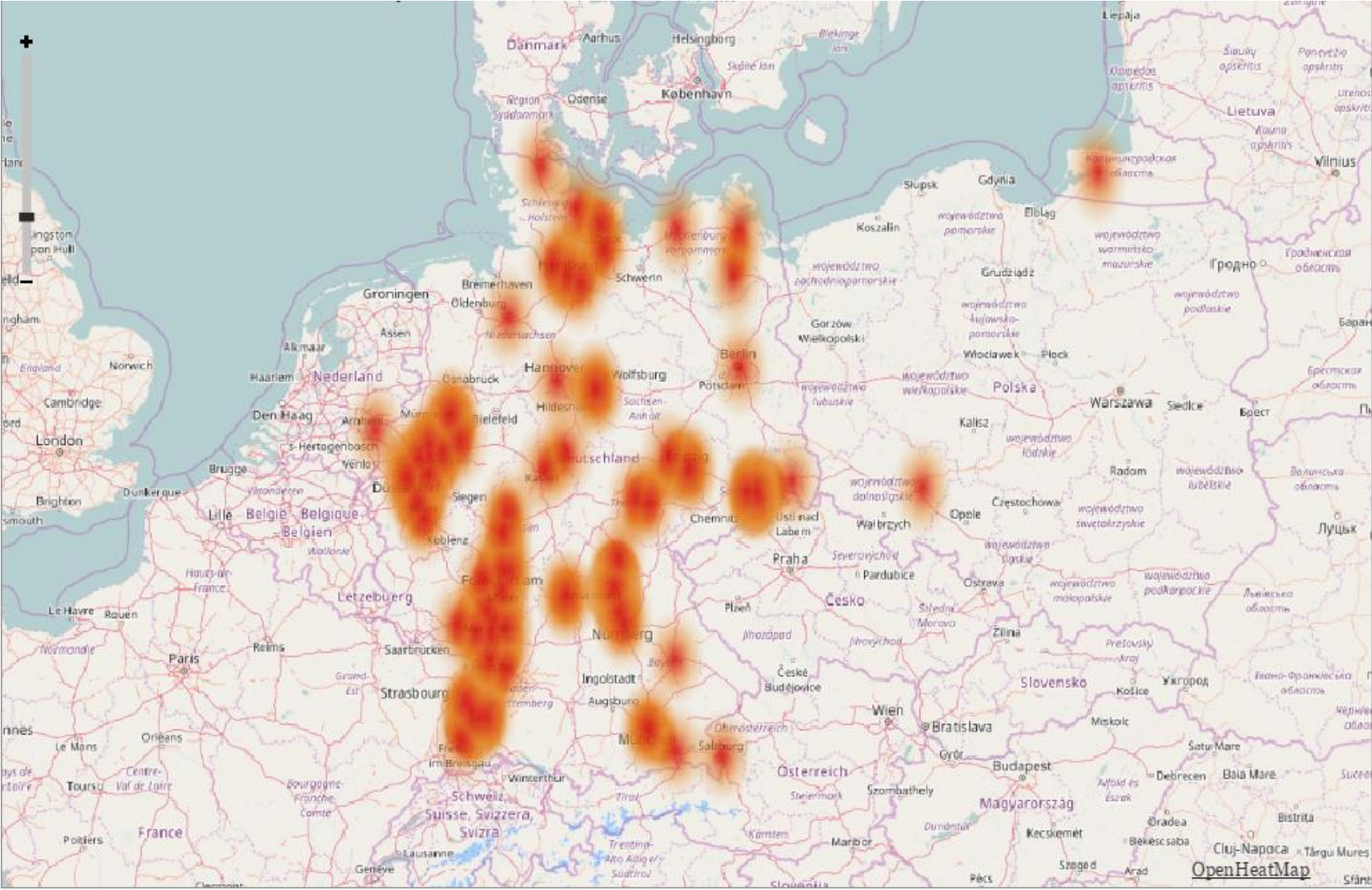
Königsplatz

Point(11.565277777 48.145555555)

wd:Q561084

<http://tinyurl.com/y6vecxyv>

Reuse data – 1933 book burning locations heat map



<http://www.openheatmap.com>

Thank you!

Any questions?

Contact details:

https://www.wikidata.org/wiki/User_talk:Sic19

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<http://creativecommons.org/licenses/by-sa/4.0/> (CC BY-SA 4.0).



Start editing Wikidata

Wikidata tours:

- <https://www.wikidata.org/wiki/Wikidata:Tours>

A Gentle Introduction to Wikidata for Absolute Beginners:

- Video - <https://www.youtube.com/watch?v=eVrAx3AmUvA>
- Slides – [https://commons.wikimedia.org/wiki/File:Wikidata - A Gentle Introduction for Complete Beginners \(WMF February 2017\).pdf](https://commons.wikimedia.org/wiki/File:Wikidata_-_A_Gentle_Introduction_for_Complete_Beginners_(WMF_February_2017).pdf)

An Ambitious Wikidata Tutorial:

- Video - [https://commons.wikimedia.org/wiki/File:An Ambitious Wikidata Tutorial \(all parts\).webm](https://commons.wikimedia.org/wiki/File:An_Ambitious_Wikidata_Tutorial_(all_parts).webm)
- Slides - [https://commons.wikimedia.org/wiki/File:An Ambitious Wikidata Tutorial.pdf](https://commons.wikimedia.org/wiki/File:An_Ambitious_Wikidata_Tutorial.pdf)

Need help?

- https://www.wikidata.org/wiki/Wikidata:Project_chat

More information about Wikidata

Wikidata introduction:

- <https://www.wikidata.org/wiki/Wikidata:Introduction>

Structured data:

- https://www.wikidata.org/wiki/Help:About_data

Help portal:

- <https://www.wikidata.org/wiki/Help:Contents>

Community portal:

- https://www.wikidata.org/wiki/Wikidata:Community_portal

List of properties:

- <https://www.wikidata.org/w/index.php?title=Special:ListProperties>

Wikidata API:

- <https://www.wikidata.org/w/api.php>

Tools

- <https://www.wikidata.org/wiki/Wikidata:Tools>
- <https://tools.wmflabs.org/hay/propbrowse/>
- <https://tools.wmflabs.org/wikidata-game/>
- <https://angryloki.github.io/wikidata-graph-builder/>
- <https://tools.wmflabs.org/wikishootme>
- https://tools.wmflabs.org/wikidata-todo/quick_statements.php
- <http://tools.wmflabs.org/wikidata-todo/tree.html>
- https://tools.wmflabs.org/wikidata-todo/missing_images.html

Wikidata reconciliation service (OpenRefine):

- <https://github.com/OpenRefine/OpenRefine/wiki/Reconciliation>

Wikidata query service

Introduction:

- https://www.wikidata.org/wiki/Wikidata:SPARQL_query_service/A_gentle_introduction_to_the_Wikidata_Query_Service

User manual:

- https://www.mediawiki.org/wiki/Wikidata_query_service/User_Manual

Help portal:

- https://www.wikidata.org/wiki/Wikidata:SPARQL_query_service/Wikidata_Query_Help

SPARQL tutorial:

- https://www.wikidata.org/wiki/Wikidata:A_beginner-friendly_course_for_SPARQL

SPARQL queries:

- https://www.wikidata.org/wiki/Wikidata:SPARQL_query_service/queries
- https://www.wikidata.org/wiki/Wikidata:SPARQL_query_service/queries/examples

Share your data

General information:

- https://www.wikidata.org/wiki/Wikidata:Data_donation
- <https://blog.wikimedia.org/2016/08/23/wikidata-glam/>

Case studies:

- https://www.wikidata.org/wiki/Wikidata:Flemish_art_collections,_Wikidata_and_Linked_Open_Data/Whitepaper
- https://www.wikidata.org/wiki/Wikidata:WikiProject_Cultural_heritage/Reports/Ingesting_Swiss_heritage_institutions

Projects:

- https://www.wikidata.org/wiki/Wikidata:WikiProject_sum_of_all_paintings
- https://www.wikidata.org/wiki/Wikidata:WikiProject_Cultural_heritage