

Wikidata

the free knowledge base

Gulaschprogrammierenacht 2015

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Wikidata?

- free knowledge base by the Wikimedia movement
- structured data
- user created content
- linked data
- people, places, events, ...
- powered by Wikibase (open source)
- data: CC-0

<http://www.wikidata.org/wiki/Q7251>



Item [Discussion](#)

Alan Turing (Q7251)

British mathematician, logician, cryptanalyst, and computer scientist

Alan Mathison Turing

[► In more languages](#)

[\[edit\]](#)

Statements

sexual orientation	 homosexuality [edit]
	▼ 0 references [add reference]
	[add]

occupation	 computer scientist [edit]
	▼ 0 references [add reference]
	 mathematician [edit]
	▼ 0 references [add reference]
	 engineer [edit]
	▼ 0 references [add reference]
	 philosopher [edit]

Wikipedia (118 entries) [\[edit\]](#)

- af Alan Turing
- als Alan Turing
- an Alan Turing
- ar آلان تورينج
- arz الان تورينج
- ast Alan Turing
- as এলাত ট্যুরিং
- az Alan Türing
- bat_smg Alans Tiorėngs
- ba Алан Тьюринг
- be_x_old Элан Т'юрынг
- be Алан Матысан Ц'юрынг
- bg Алън Тюринг
- bn আলান ট্যুরিং
- br Alan Turing
- bs Alan Turing
- ca Alan Turing
- ce Тьюринг, Алан
- ckb ئالان تیورینگ
- co Alanu Turing
- cs Alan Turing
- cy Alan Turing
- da Alan Turing
- de Alan Turing
- el Άλαν Τούρινγκ
- en Alan Turing
- eo Alan Turing
- es Alan Turing
- et Alan Turing

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

Language select

English ▼

Select

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

Wikidata DataModel

item

Qid

labels

en label

de Bezeichner

.....

..... descriptions / aliases / sitelinks

statements

statement

property

value

qualifiers

property

value

property

value

.....

references

reference

property

value

.....

.....

.....

.....

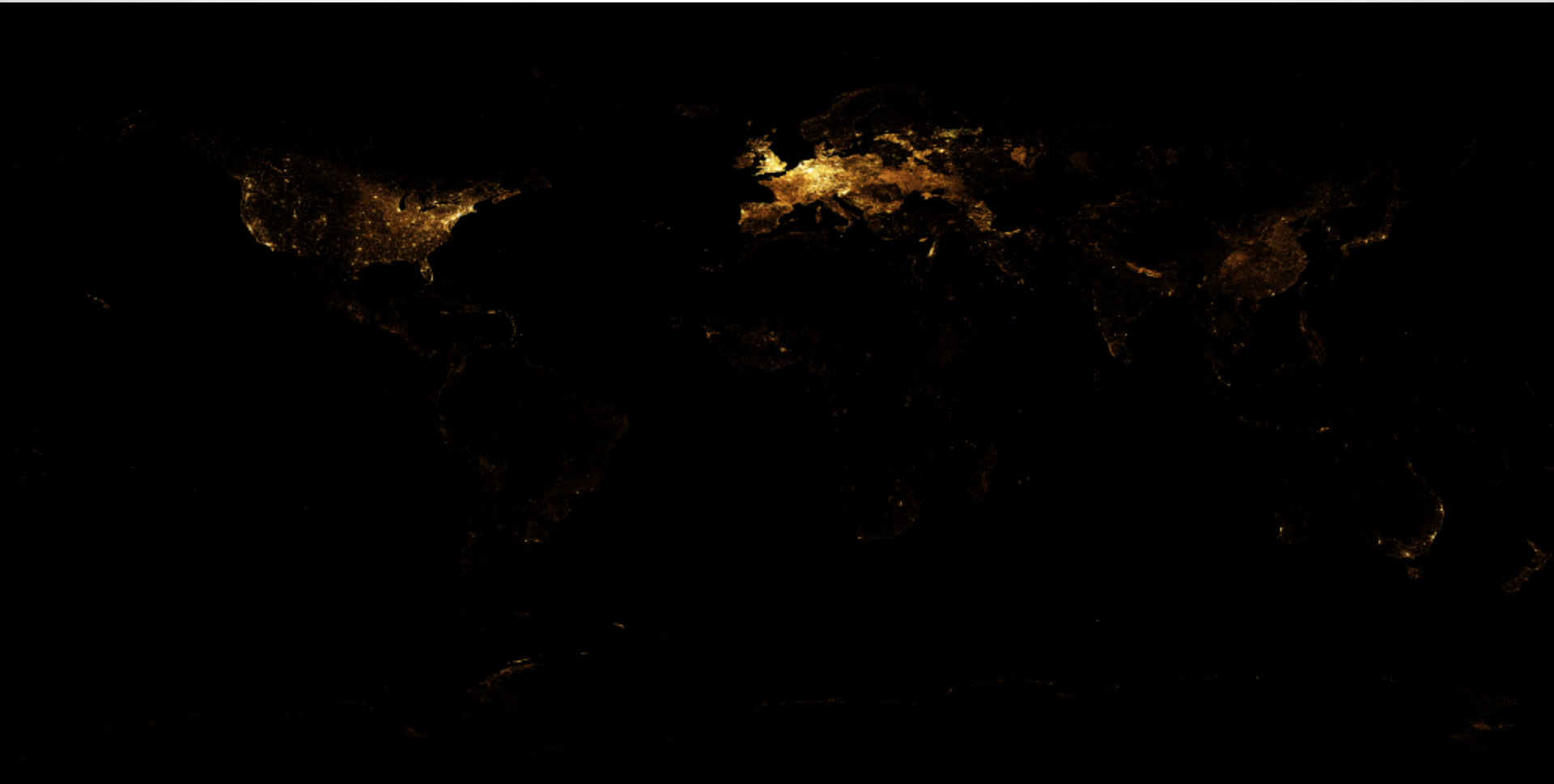
Data access

- Item in RDF Turtle Format (BETA): wikidata.org/entity/Q7251.ttl?flavor=full
- JSON wikidata.org/wiki/Special:EntityData/Q7251.json
- API: wikidata.org/w/api.php (with documentation) `wbgetentities`, `wbgetclaims`, `wbsearchentites`
wikidata.org/wiki/Special:ApiSandbox
additional documentation: mediawiki.org/wiki/Wikibase/API
- Dump, SPARQL, WDG: wikidata.org/wiki/Wikidata:Data_access
- wikidata.org/wiki/Special:ListDatatypes
- Beta SPARQL endpoint:
<http://wdqs-beta.wmflabs.org/>

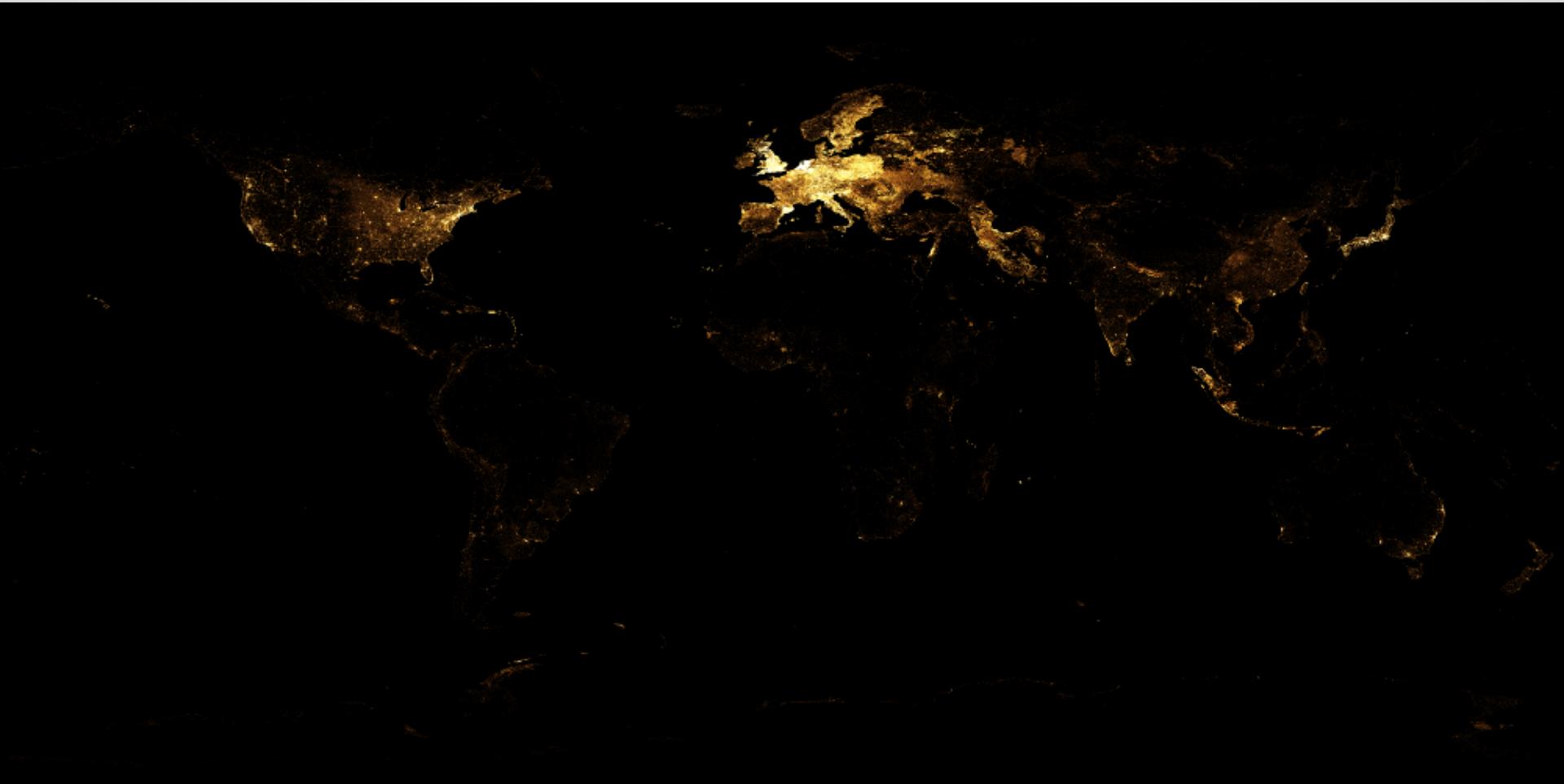
Projects using Wikidata

- Platypus
<http://askplatyp.us/>
- SPARQL based Platypus
<https://tools.wmflabs.org/ppp-sparql/>
- Inventaire.io
<https://inventaire.io/>
- The Map
tools.wmflabs.org/wikidata-analysis/map/map.html
- Reasonator
tools.wmflabs.org/reasonator/

The Map 2013



The Map June 2015



Questions!

IRC: #wikidata chat.freenode.net
wikidata@lists.wikimedia.org

wikidata.org/wiki/Wikidata:Data_access
wikidata.org/w/api.php

wbgetentities, wbsearchentities, wbgetclaims
wikidata.org/wiki/Special:ApiSandbox

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based on <http://bit.ly/1vnWk7S> by Jens Ohlig and a presentation by Jan Zerebecki