

Building the SWIB20 participants map

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SWIB20, on the web, 27.12.2020



<https://w.wiki/my4>



Intellectually reconcile with Wikidata items (OpenRefine)

26 rows

Extensions: RDF Wikidata

Show as: rows records Show: 5 10 25 50 rows

« first < previous 1 - 10 next > last »

All	key	country	city	name	bt	organisation
☆	1.	Austria	Wien	Universit� of Vienna		University of Vienna Choose new match
☆	2.	Brazil	PORTO VELHO	Universidade Federal de Rond�nia		Federal University of Rond�nia Choose new match
☆	3.	Brazil	S�o Paulo	University of S�o Paulo		University of S�o Paulo Choose new match
☆	4.	Canada	Sudbury	Laurentian University		Laurentian University Choose new match
☆	5.	Finland	Turku	CSC - IT Center for Science	edit	CSC - IT Center for Science Choose new match
☆	6.	Finland	Espoo	CSC - IT center for science Ltd		CSC - IT Center for Science Choose new match
☆	7.	Germany	Regensburg	Leibniz Institute for East and Southeast European Studies		Leibniz Institute for East and Southeast European Studies Choose new match
☆	8.	Germany	Oberhaching	OCLC		OCLC, Inc. Choose new match
☆	9.	Germany	Berlin	Rhizome		Rhizome Choose new match
☆	10.	Germany	Alfeld	Vera M�nch PR+TEXTE		not yet determined Choose new match

Processing

- Use combined „country|institution“ names as key for internal processing
- After reconciliation, aggregate them on Wikidata items' QIDs
- Load

`?item zbwext:swib20participants ?count`
triples into a custom SPARQL endpoint

Federated Query to WDQS

```
1 #defaultView:Map
2 #
3 # SWIB20 participants' institutions, mapped to Wikidata and enriched from there
4 #
5 PREFIX zbwext: <http://zbw.eu/namespaces/zbw-extensions/>
6 #
7 # from possibly multi-valued fields, use an arbitrary value
8 select distinct ?item ?itemLabel (sample(?logol) as ?logo) (sample(?img) as ?image) (sample(?pos) as ?coord) ?participants
9 where {
10 # institutions' items and count of participants from custom WDQS-enabled endpoint
11 service <http://zbw.eu/beta/sparql/econ_corp/query> {
12   ?item zbwext:swib20participants ?count .
13   bind(concat(str(?count), ' participant', if(?count > 1, 's', '')) as ?participants)
14 }
15 optional { ?item wdt:P18 ?img . }
16 optional { ?item wdt:P154 ?logol . }
17 optional { ?item wdt:P625 ?pos1 . }
18 optional { ?item wdt:P159/wdt:P625 ?pos2 . }
19 optional { ?item wdt:P131/wdt:P625 ?pos3 . }
20 optional { ?item wdt:P17/wdt:P625 ?pos4 . }
21 # use the most precise position
22 bind(coalesce(?pos1, ?pos2, ?pos3, ?pos4) as ?pos)
23 SERVICE wikibase:label { bd:serviceParam wikibase:language "en,[AUTO_LANGUAGE],de,fr,es". }
24 }
25 group by ?item ?itemLabel ?participants
```

Static version of the query

```
#defaultView:Map
#
# SWIB20 participants' institutions, mapped to Wikidata and enriched from there
#
PREFIX zbwext: <http://zbw.eu/namespaces/zbw-extensions/>
#
# from possibly multi-valued fields, use an arbitrary value
select distinct ?item ?itemLabel (sample(?logol) as ?logo) (sample(?img) as ?image) (sample(?pos) as ?coord) ?participants
where {
  # institutions' items and count, verbatim
  values ( ?item ?count ) {
( wd:Q219694 1 )
( wd:Q24238356 1 )
( wd:Q621630 2 )
( wd:Q189928 1 )
( wd:Q7352053 1 )
( wd:Q1490164 2 )
( wd:Q383931 1 )
( wd:Q953058 10 )
( wd:Q684773 3 )
( wd:Q638395 3 )
( wd:Q7928986 1 )
( wd:Q2302311 2 )
( wd:Q2303432 1 )
( wd:Q1144269 1 )
```

Liste of institutions, by number of SWIB20 participants

item	itemLabel	count
Q27302	German National Library	17
Q480222	Publications Office of the European Union	14
Q317179	ZBW - Leibniz Information Centre for Economics	12
Q1233544	Stuttgart Media University	11
Q18085187	North Rhine-Westphalian Library Service Centre	11
Q1065	United Nations	10
Q131454	Library of Congress	10
Q953058	National Library of Sweden	10
Q420747	National Library of Finland	9

Thanks!

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<http://zbw.eu/labs>

<https://www.wikidata.org/wiki/User:Jneubert>