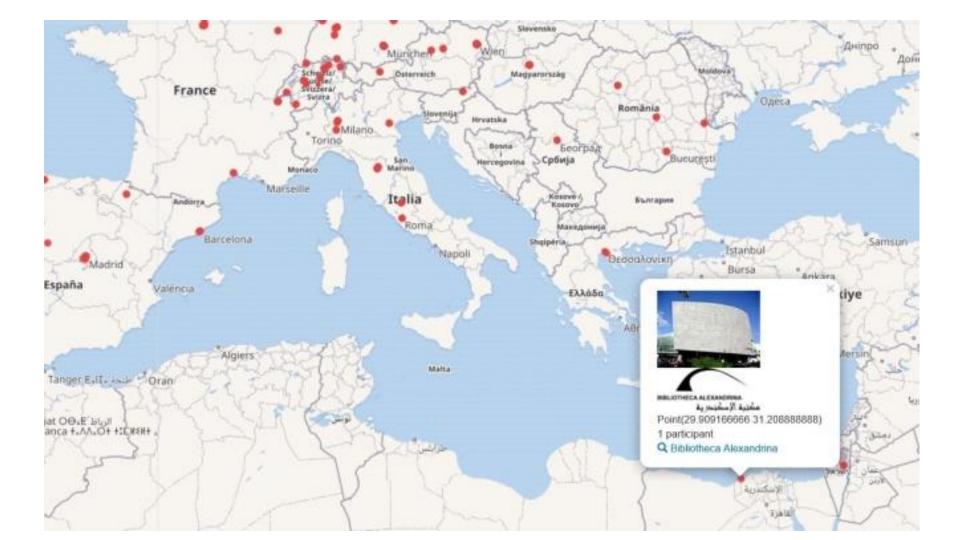
Building the SWIB20 participants map

Joachim Neubert

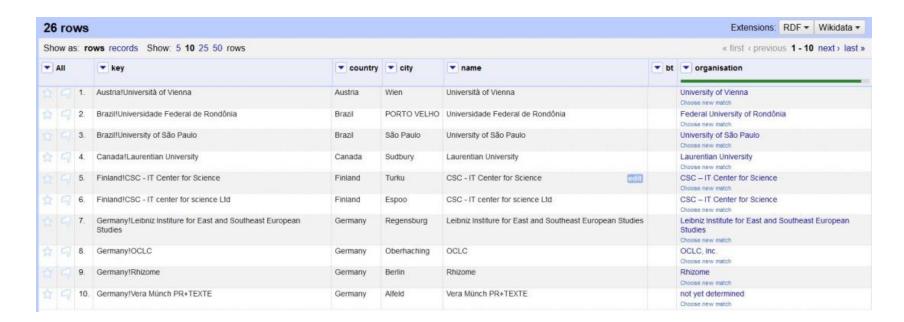
ZBW – Leibniz Information Centre for Economics, Kiel/Hamburg SWIB20, on the web, 27.12.2020







Intellectually reconcile with Wikidata items (OpenRefine)







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 #defaultViev:Map
 2 #
 3 # SWIB20 participants' institutions, mapped to Wikidata and enriched from there
 4 #
 5 PREFIX zbwext: <a href="http://zbw.eu/namespaces/zbw-extensions/">http://zbw.eu/namespaces/zbw-extensions/</a>
 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 {
     # institutions' items and count of participants from custom WDQS-enabled endpoint
10
11
     service <a href="http://zbw.eu/beta/spargl/econ">beta/spargl/econ</a> corp/guery>
     ?item zbwext:swib20participants ?count .
13
       bind(consat(str(?count), 'participant', if(?count > 1, 's', '')) as ?participants)
14
15
     optional { ?item wdt:P18 ?img . }
16
     optional { ?item wdt:P154 ?logo1 . }
     optional { ?item wdt:P625 ?pos1 . }
17
     optional { ?item wdt:P159/wdt:P625 ?pos2 . }
18
19
     optional { ?item wdt:P131/wdt:P625 ?pos3 . }
     optional { ?item wdt:P17/wdt:P625 ?pos4 . }
     # use the most precise position
     bind(coalesce(?pos1, ?pos2, ?pos3, ?pos4) as ?pos)
23
     SERVICE wikibase:label { bd:serviceParam wikibase:language "en,[AUTO LANGUAGE], de, fr, es". ]
                                                                                                                              Page 6
24 1
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: <a href="http://zbw.eu/namespaces/zbw-extensions/">http://zbw.eu/namespaces/zbw-extensions/</a>
# from possibly multi-valued fields, use an arbitrary value
select distinct ?item ?itemLabel (sample(?logo1) as ?logo) (sample(?img) as ?image) (sample(?pos) as ?coord) ?participants
where {
  # institutions' items and count, verbatim
  values ( ?item ?count ) {
   wd: 0219694 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: 0638395 3 )
   wd:Q7928986 1 )
   wd: 02302311 2 )
                                                                                                                                Page 7
                                                           https://www.wikidata.org/wiki/User:Jneubert/SWIB_queries
   wd:02303432 1 )
   and 011//262 1 )
```

Liste of institutions, by number of SWIB20 participants

:4 · · · · · · ·	341-b-1	
item •	itemLabel •	count
Q wd:Q27302	German National Library	17
Q wd:Q480222	Publications Office of the European Union	14
Q wd:Q317179	ZBW - Leibniz Information Centre for Economics	12
Q wd:Q1233544	Stuttgart Media University	11
Q wd:Q18085187	North Rhine-Westphalian Library Service Centre	11
Q wd:Q1065	United Nations	10
Q wd:Q131454	Library of Congress	10
Q wd:Q953058	National Library of Sweden	10
Q wd:Q420747	National Library of Finland	9





Thanks!

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http://zbw.eu/labs

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



