

How to get maps with special content?

with **OVERPASS TURBO**

Example: I would like to see all schools in Hull, UK

Necessary information: Tag for schools: amenity=school
--

1. <https://taginfo.openstreetmap.org/>
2. Search area: **amenity**
3. **click** the search glass
4. OPTIONAL: choose [[amenity]]
5. on the right side - distribution of values - click **school**
6. now **click** on the upper right side a button with the **overpass turbo** button
7. a new window opens ... on the left side the generated code on the right side a map
 - 7.1 choose the region of Hull
 - 7.2 **click** the **run** button on the left ... **and have fun**

BTW: other important tags for schools

- addr:housename=BBS Saarburg
- addr:postcode=54439
- addr:street=Schulzentrum
- amenity=school
- building=yes
- ... or building=school
- name=Geschwister-Scholl-Schule Berufsbildende Schule
- website=<http://www.bbs-saarburg.de/>
- wheelchair=yes

Maybe:

fee=yes

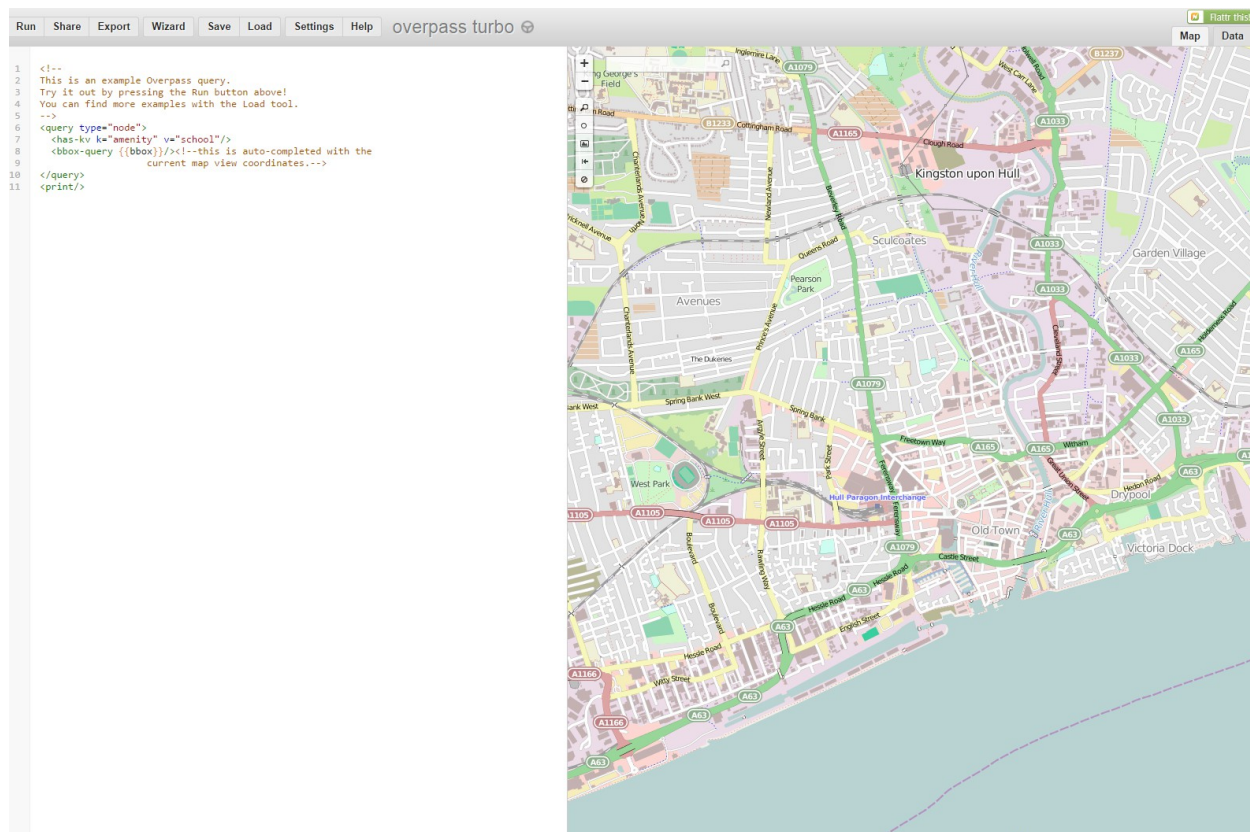
contact= (for email, phone number)

capacity= (number of students)

Alternative way

Example: searching for historic monuments

1. go to <http://overpass-turbo.eu/>
2. on the left you can see a code, on the right a map, an OpenStreetMap map :)



The screenshot shows the Overpass Turbo web interface. On the left is a code editor with the following content:

```
1 <!--
2 This is an example Overpass query.
3 Try it out by pressing the Run button above!
4 You can find more examples with the Load tool.
5 -->
6 <query type="node">
7   <has-kv k="amenity" v="school"/>
8   <bbox-query {{bbox}}/><!--this is auto-completed with the
9     current map view coordinates.-->
10 </query>
11 <print/>
```

On the right is a map of Kingston upon Hull, showing various streets and landmarks. The map is overlaid with a grid of red and yellow lines, representing the results of the query. The map includes labels for various areas such as Avenues, West Park, Spring Bank West, and Old Town. The map is titled "Kingston upon Hull" and includes a search bar and navigation controls.

→Remember: OSM is a computer database and everything has to be clearly defined (computers work like that), every object in OSM is defined by a **KEY**

and a **VALUE**

3. on the left, where you see *k=* introduce the key you need for your query
because there was a former search, you will have to erase first the word/s
after *k=*

```
1 <!--  
2 This is an example Overpass query.  
3 Try it out by pressing the Run button above!  
4 You can find more examples with the Load tool.  
5 -->  
6 <query type="node">  
7   <has-kv k="" v="school"/>  
8   <bbox-query {{bbox}}/><!--this is auto-completed with the  
9     current map view coordinates.-->  
10 </query>  
11 <print/>
```

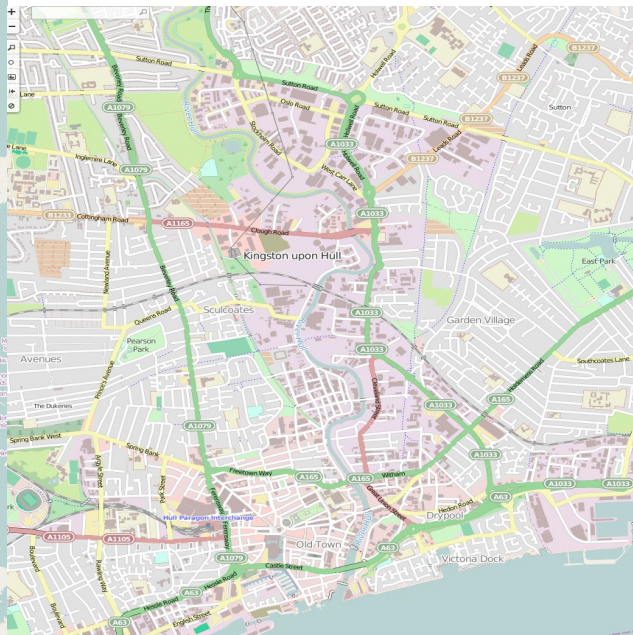
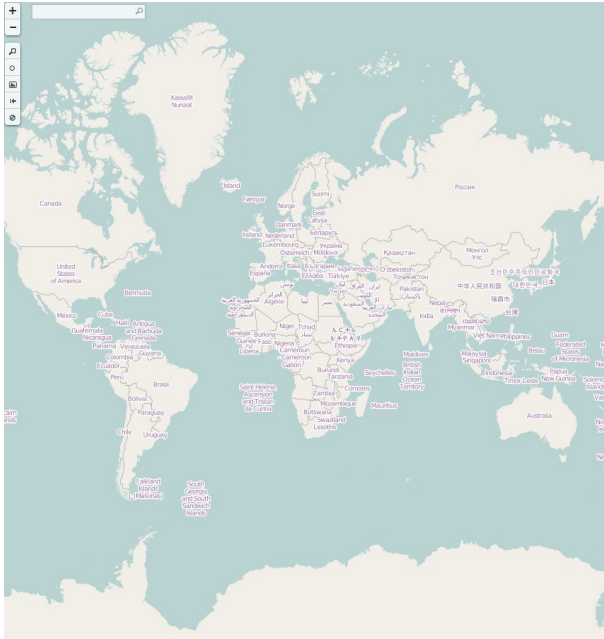
4. also on the left, where you see *v=* introduce the values you need for your
query

```
1 <!--  
2 This is an example Overpass query.  
3 Try it out by pressing the Run button above!  
4 You can find more examples with the Load tool.  
5 -->  
6 <query type="node">  
7   <has-kv k="historic" v=""/>  
8   <bbox-query {{bbox}}/><!--this is auto-completed with the  
9     current map view coordinates.-->  
10 </query>  
11 <print/>
```

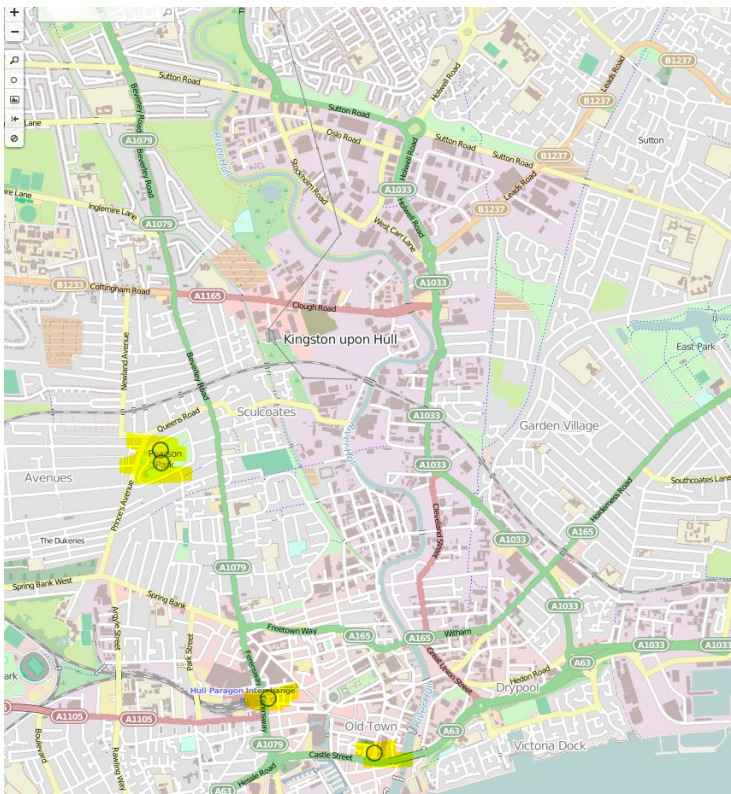
5. example: *k=historic*, *v=monument*

```
1 <!--  
2 This is an example Overpass query.  
3 Try it out by pressing the Run button above!  
4 You can find more examples with the Load tool.  
5 -->  
6 <query type="node">  
7   <has-kv k="historic" v="monument"/>  
8   <bbox-query {{bbox}}/><!--this is auto-completed with the  
9     current map view coordinates.-->  
10 </query>  
11 <print/>
```

Go to the map, on the right side, and choose a location, by zooming in/out
with your mouse scroll and panning on the map



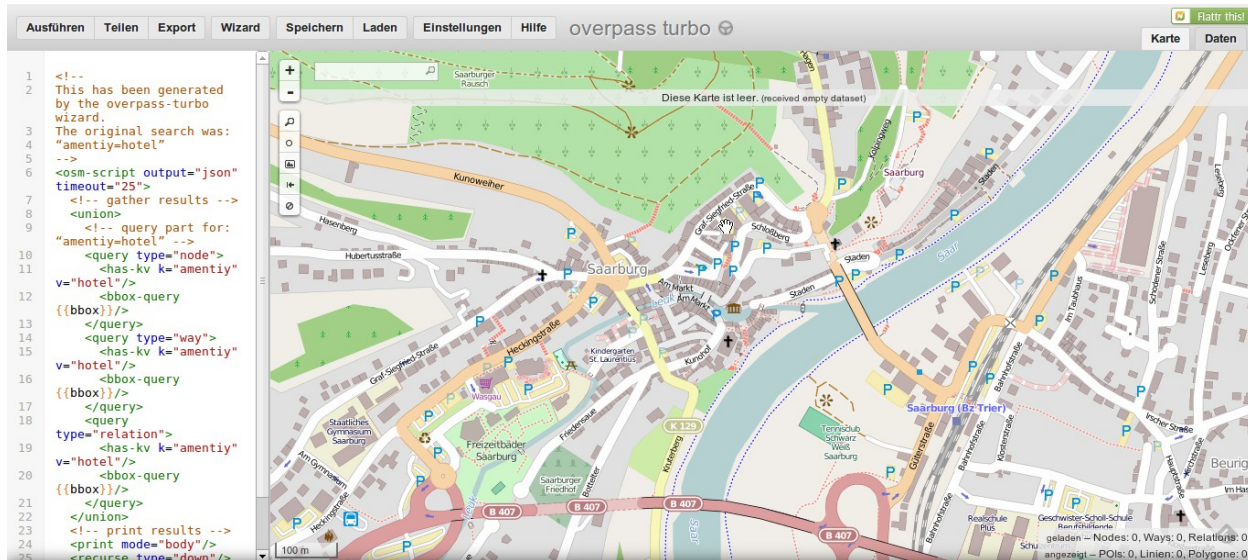
6. click RUN (on the left above the code)



Using the OverPass Turbo “Wizard”

Example: searching for `memorial:type=stolperstein`

1. go to <http://overpass-turbo.eu/>



The screenshot shows the OverPass Turbo web interface. On the left, there is a code editor with the following XML query:

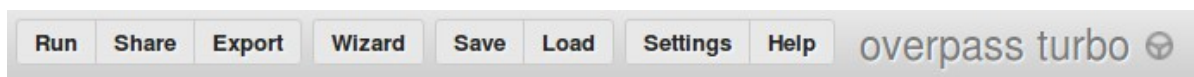
```
1 <!--  
2 This has been generated  
3 by the overpass-turbo  
4 wizard.  
5 The original search was:  
6 "amentiy=hotel"  
7 -->  
8 <osm-script output="json"  
9 timeout="25">  
10 <!-- gather results -->  
11 <union>  
12 <!-- query part for:  
13 "amentiy=hotel" -->  
14 <query type="node">  
15 <has-kv k="amentiy"  
16 v="hotel"/>  
17 <bbox-query  
18 {{bbox}}/>  
19 </query>  
20 <!-- query part for:  
21 "amentiy=relation" -->  
22 <query type="way">  
23 <has-kv k="amentiy"  
24 v="hotel"/>  
25 <bbox-query  
26 {{bbox}}/>  
27 </query>  
28 </union>  
29 <!-- print results -->  
30 <print mode="body"/>  
31 </osm-script>  
32 </recurse type="down"/>
```

The main area displays a map of Saarburg, Germany, with several red 'P' markers indicating search results. The map shows streets, buildings, and a river. A message at the top of the map area says "Diese Karte ist leer. (received empty dataset)".

You opened `overpass-turbo.eu` and [possibly] you see in the “code-part” on the left a code to produce a map with hotels. :-(! That is a result from a former search.

What now?

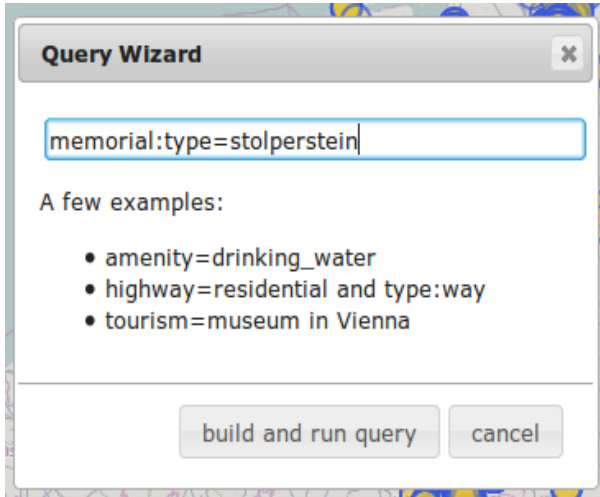
2. You see the 4th button from left: **Wizard**. Click this button.



In the opening window, named Query wizard you find the formerly used key=value pair:

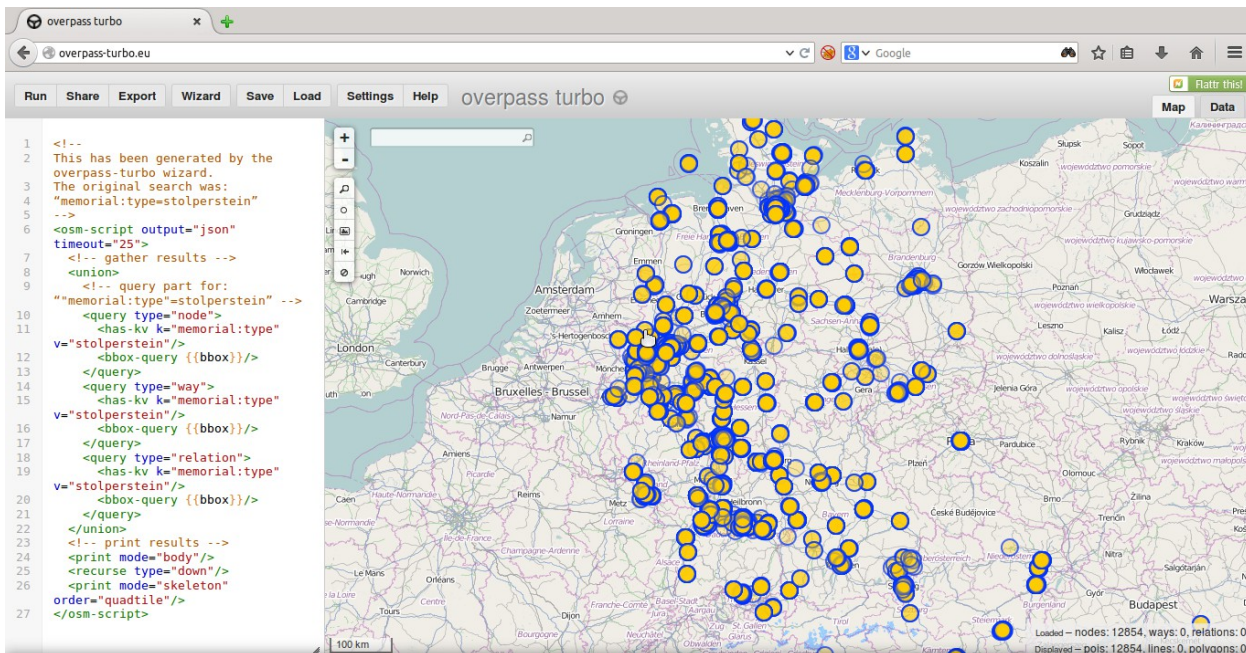
amentiy=hotel

3. replace the key=value pair with the key and the value you are looking for
memorial:type=stolperstein



... press the button ... build and query

and you find the Stolpersteine which are mapped in OSM.



here the actual (2014-09-13) existing Stolpersteine in Germany and adjacent regions