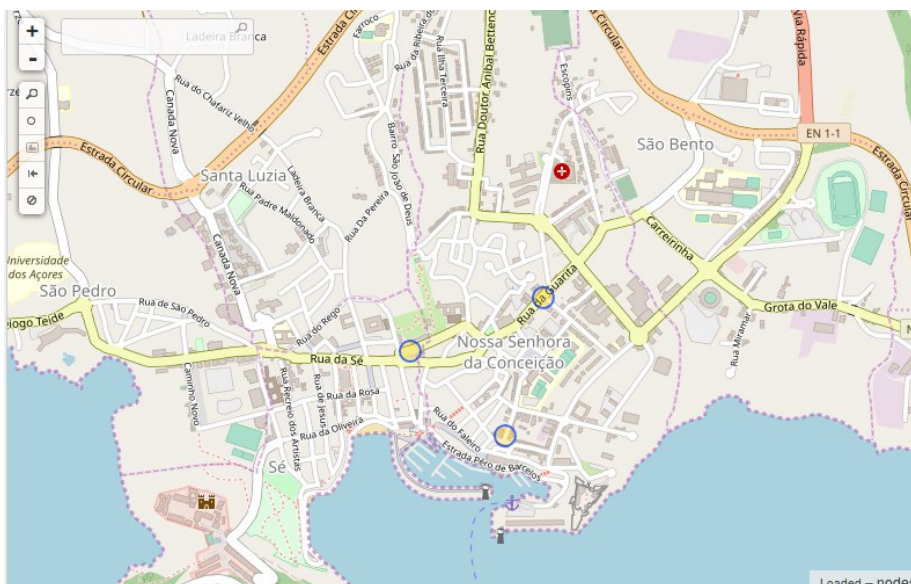


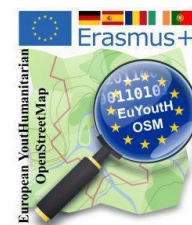
## Outdoor activity Collecting Data - example: Fire hydrants and meeting points - using Field papers

After the presentation and the students' [discussions with the SRPCBA](#) [1] (the Civil Protection in Terceira) representatives, the information emerged that hydrants and meeting points in disaster situations are quite important. From there, the group decided to create a task to check the existing hydrants in the city of Angra do Heroísmo, in OpenstreetMap and, if necessary, map, complement and document the data.

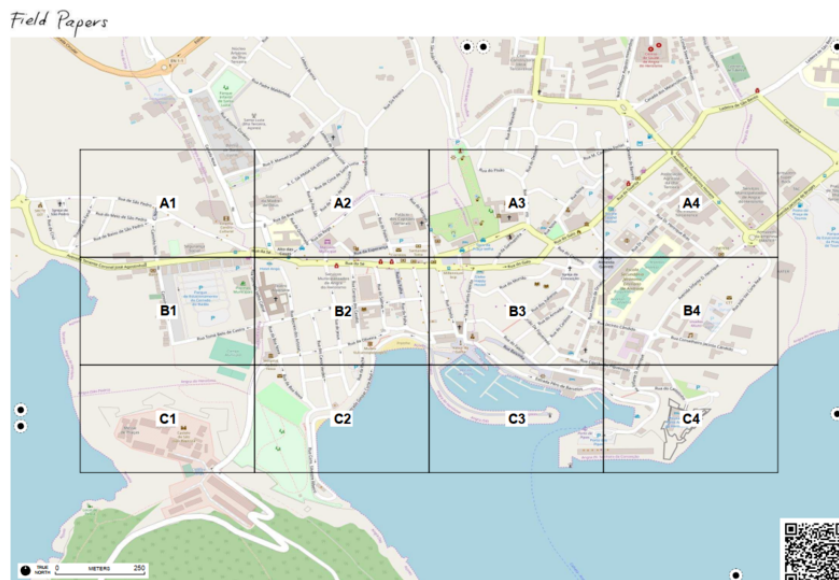
After the visit to SRPCBA, using [Overpass Turbo](#) [2], a web-based data collection tool for OpenStreetMap, the students made a query for Angra do Heroísmo, using "hydrants" as an example.



As can be seen, only 3 hydrants are recorded in OpenStreetMap at the time of the query.

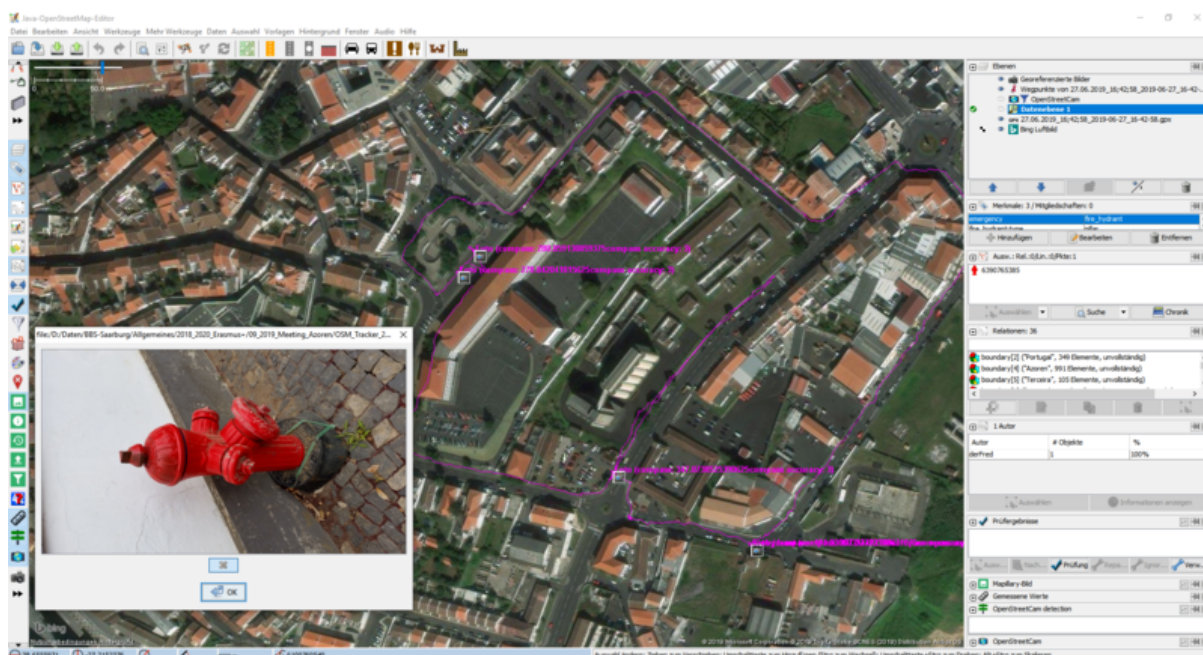


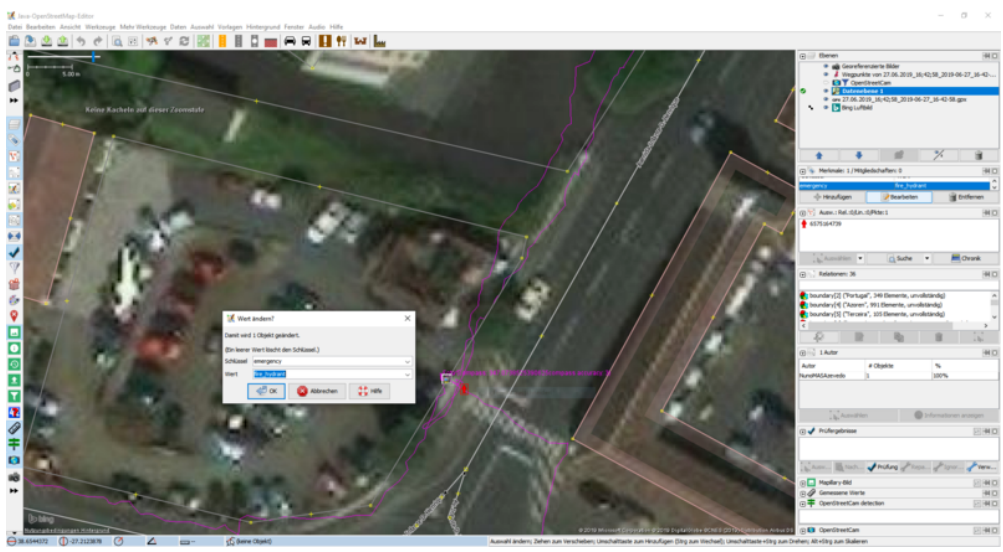
With the help of the "[Field Papers](#)" [3] website, Angra do Heroísmo was divided into a total of 12 areas.



In each area, multinational teams of students and teachers used the [OSMTracker](#) [4] or [Go Map!](#) [5] to map the locations of the fire hydrants.

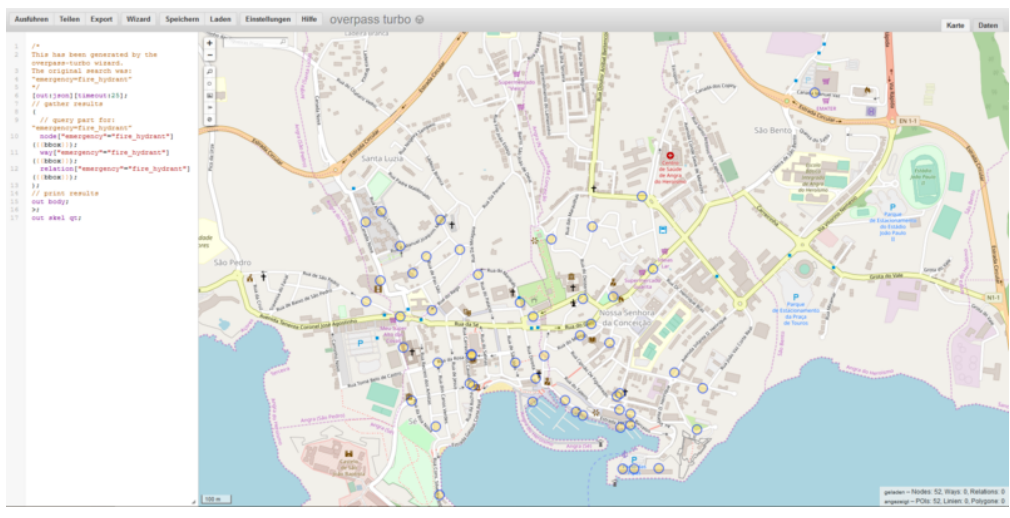
After the locations were collected with OSMTracker or GoMap!, the data were imported (here exemplarily for area B3) into [JOSM](#) [6].



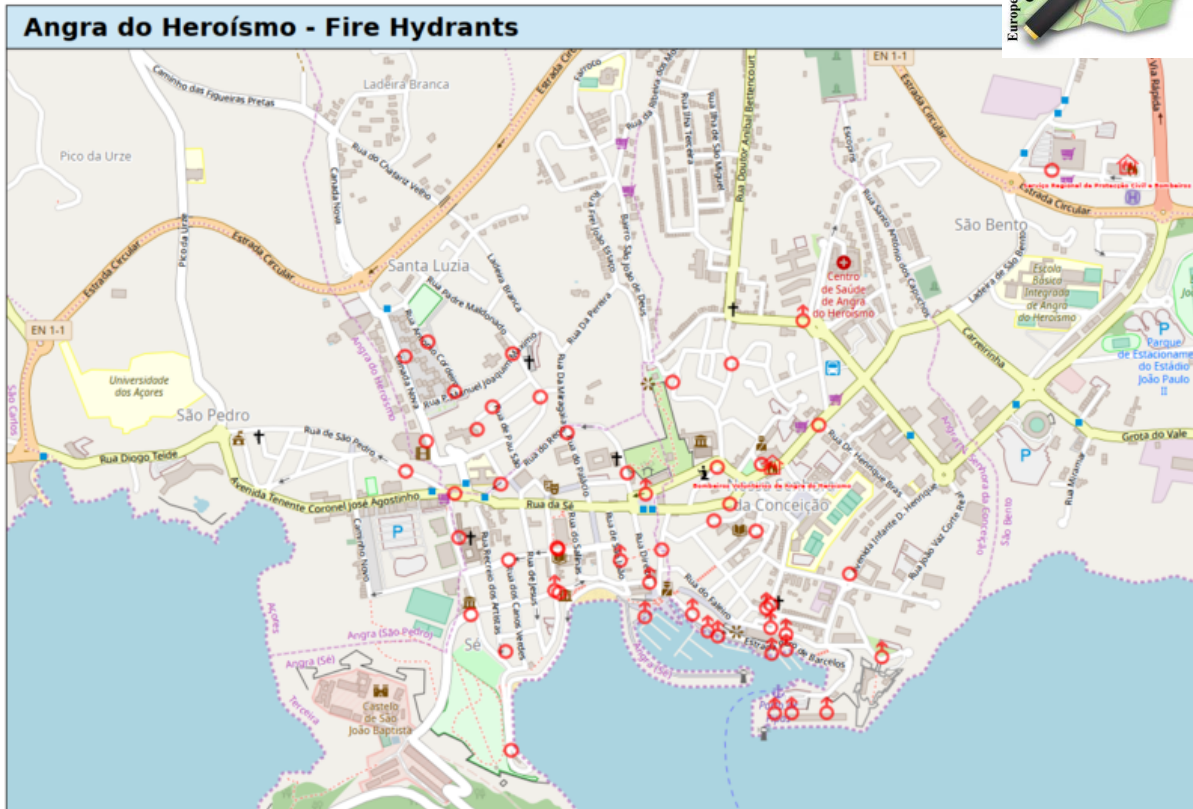


Labeling in JOSM

After all the data is entered, and after further consultation in Overpass Turbo (<http://overpass-turbo.eu>), the new OSM map will look as follows, with a total of 50 hydrants.



OSM after mapping



Students documented the location of the hydrants with [MyOSMatic](#) [7].

Other outdoor activities such as collecting images with **Mapillary** in Portmarnock [8], **OpenStreetCam** (now KartaView) in Terceira [9], mapping with drones in Terceira [10] or [mapping the zoo in Heidelberg](#) [11] you can find on our wiki pages.

#### Links:

- [1] <https://bit.ly/353CzO7>
- [2] <http://overpass-turbo.eu>
- [3] <http://fieldpapers.org/>
- [4] [https://wiki.openstreetmap.org/wiki/OSMTracker\\_\(Android\)](https://wiki.openstreetmap.org/wiki/OSMTracker_(Android))
- [5] [https://wiki.openstreetmap.org/wiki/Go\\_Map!](https://wiki.openstreetmap.org/wiki/Go_Map!)
- [6] <https://josm.openstreetmap.de/>
- [7] <https://maposmatic.osm-baustelle.de/>
- [8] <https://bit.ly/3g6N8Xd>
- [9] <https://bit.ly/3ggzsri>
- [10] <https://bit.ly/357Hhe2>
- [11] <https://bit.ly/3pQnmdb>