

Geocoding infrastructure in Statistics Austria

The Buildings & Dwellings Register demands the geocodes of each building to be entered into the system. The tool to do this is the so called “GeoClient”, which is included in the application of the Online Address- Buildings and Dwellings Register. On click it opens up a separate window showing an aerial map, parcel boundaries and its building areas, zoomed in to the selected parcel address or building and its surroundings. The toolbar (flag symbol) provides the function to set the geocodes of the selected building. As a rule the ideal position for the geocode is within the building polygon and near the entrance.

When clicking the save-button (“Geocodierung übernehmen”) a check is run in the background that verifies that the geocode is set within the selected building area.

The geocodes are then saved in the local reference system of the municipality, which is one of the three Gauss Krüger stripes (EPSG 31254, 31255 and 31256).

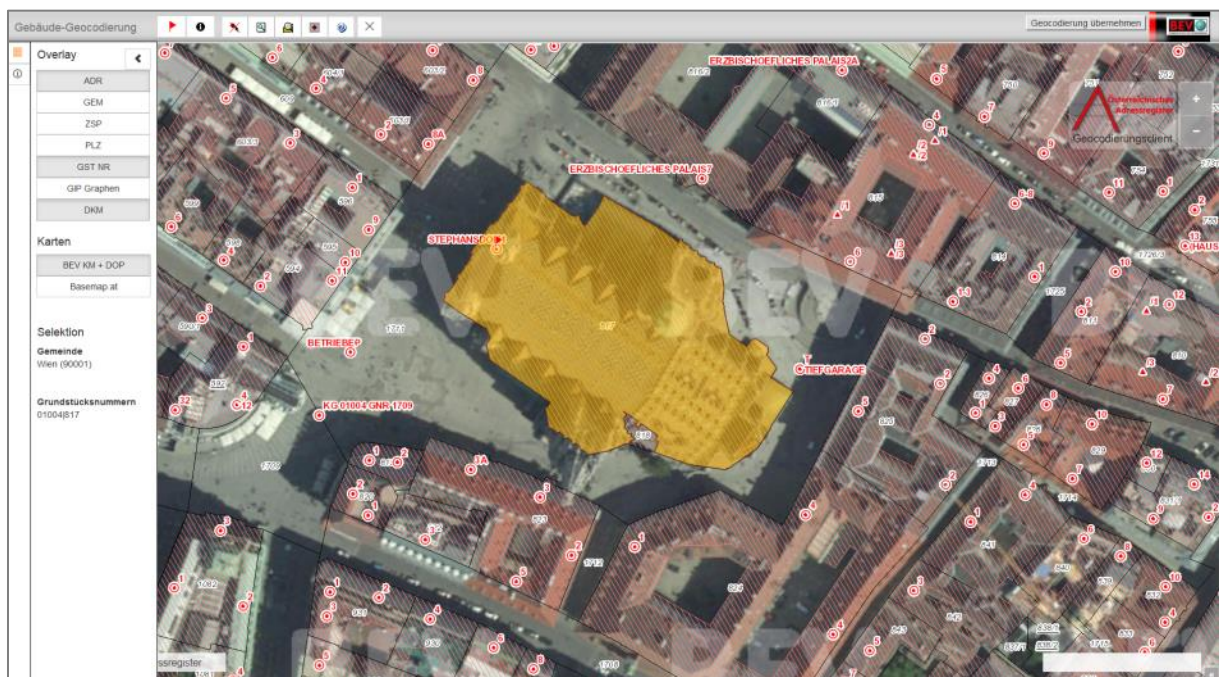


Figure 1. Screenshot of the GeoClient with Saint Stephen’s Cathedral in the centre and a flag for the representation of its coordinate point (its geocode).

Through this system, there is a geocode for each building (in fact for each building part corresponding to each entrance). Other datasets containing the building-ID hence can be linked via the building-ID and get the geocode from the Buildings and Dwellings Register. These datasets can therefore be considered to be point-based too.

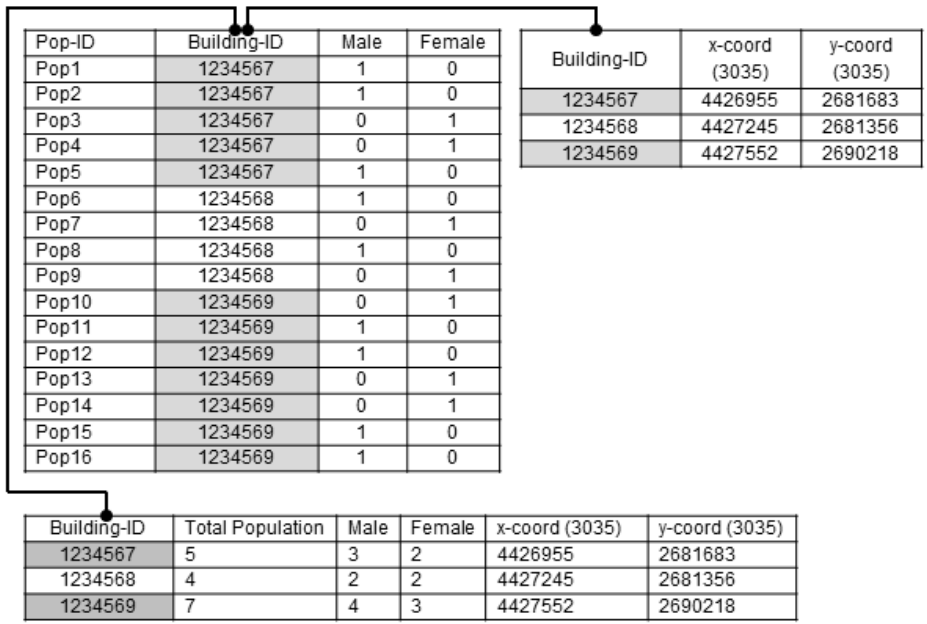


Figure 2. Linking population to building by means of building-ID