

Poland

Providing user-friendly services through the national geoportal in Poland

Poland's Head Office of Geodesy and Cartography (GUGiK) is delivering user-friendly services for public administration, business, academics and citizens via the national geoportal.

In 2019, dedicated map applications were added to <http://geoportal.gov.pl> to provide new open data with 10 million 3D building models in standard LoD2 for two thirds of the country. These were created in a CAPAP (Center for Spatial Analysis of Public Administration) project and compiled from three data sources:

- Contours of 2D buildings from the database of topographic objects (BDOT10k);
- Altitude data obtained from ALS; and
- High-resolution DTM (mesh 1m).

New online services from many public authorities cooperating with GUGiK, including Polish Railway Lines, the Institute of Meteorology and Water Management, the Ministry of Health and the National Heritage Institute, were also launched. As a result, users can check the weather information, view data on UNESCO objects and historical and archaeological monuments (as set out in the INSPIRE Directive), and see information about national railway locations.

Furthermore, it is now also possible to click on the parcel identifier in the Land and Property Register and be redirected to the geoportal.gov.pl where the view provided is cropped to the parcel. This new functionality is available through GUGiK's cooperation with the Ministry of Justice and enables users to see the location and surroundings of the parcel in the geoportal, offering the possibility to analyse it using orthophotos, streets and addresses and other layers, such as the map of protected areas or flood hazard areas. Users can also benefit from a spatial analysis based on up-to-date information collected in the central part of national geodetic and cartographic resource.

The national geoportal is available in 11 languages and a good example of the integration of data and services from many sources to demonstrate new use cases for geospatial data.

