

Poland

Head Office of Geodesy and Cartography

Continuous development of easy-to-use e-services in Poland

“The Head Office of Geodesy and Cartography is focused on continuous development of e-services to ensure clarity and ease of use. Work is carried out continuously, allowing modern solutions to be gradually implemented. In particular, we are committed to the development and improvement of the national geoportal. To ensure an easy and accessible way for society to use spatial data, we have launched a new version of the geoportal.gov.pl website.”

Alicja Kulka
General Surveyor
of Poland

As part of its commitment to enhancing e-services, Poland’s Head Office of Geodesy and Cartography (GUGiK) has launched a new version of the national geoportal.

The development brings not only aesthetic enhancements but, more importantly, practical solutions aimed at facilitating the use of valuable spatial resources available online for all users. The new website meets the requirements for web content accessibility, with the user-friendly interface designed to facilitate navigation and the retrieval of information.

A new mapping layout called ‘Spatial Planning’ has been added to facilitate access to information related to spatial development. Users can browse datasets related to spatial planning and development and generate a land report. This report serves as a valuable source of information regarding environmental threats and details of local development plans.

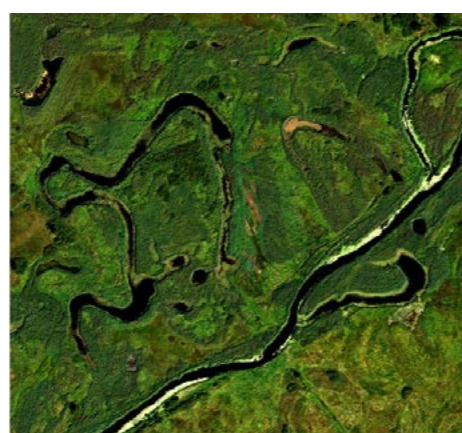
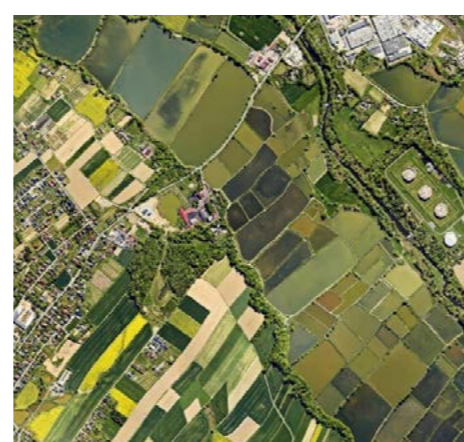
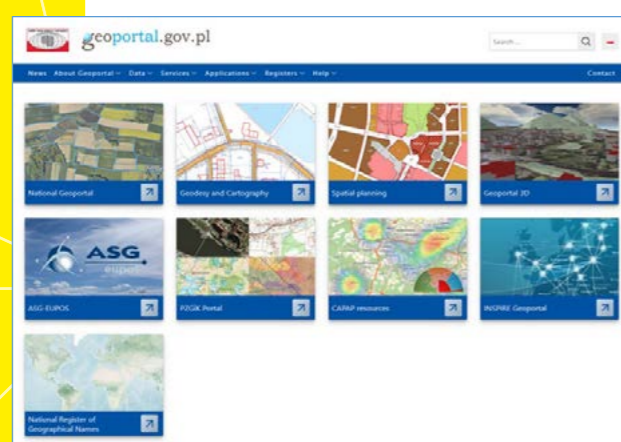
It generates various types of data, including:

Noise and Flood Hazard Maps; Spatial Planning; Legend related to the Geodetic Utilities Network System (GESUT) and Land and Building Register (EGIB) data; and Legend related to Landform.

The geoportal also delivers new types of data in the National Geodetic and Cartographic Resource (PZGIK): diagonal data and 3D mesh grid models which is available via the ongoing update of photogrammetric databases. In addition, users can access the fully automatic update of the Database of General Geographical Objects (BDOO), based on BDOT at 1:10 000 scale and can download BDOO collections from 2021-2023.

GUGiK is preparing programmes to modernise basic geodetic, gravimetric, and magnetic frameworks, the EUPOS ASG system, and to update of photogrammetric databases. The main objective of the photogrammetric programme is to ensure the currency and completeness of data collections for the country’s territory. With the introduction of this new data, GUGiK plans to acquire spatial data in three standards between 2024 to 2026. These are high-resolution photogrammetric data for urban areas, standard photogrammetric data for non-urban areas, and high-resolution photogrammetric data for urban areas (full package).

In 2023, GUGiK (as Junior Partner) implemented the Twinning Project ‘Improving Spatial Data Services in the Republic of Moldova following EU standards’ in a consortium with Croatia and the Netherlands. The project included activities related to the development of e-administration, strengthening the institutional capacity of Agency for Geodesy, Cartography and Cadastre (ALRC) and the development of the spatial information infrastructure in the Republic of Moldova. It is worth emphasising that the project is considered as one of the best twinning projects implemented so far in the Republic of Moldova.



Right top: The orthophotomap with a pixel size of 5 cm of Bestwinski Ponds.
Right bottom: The orthophotomap with a pixel size of 5 cm of Citadel in Poznan.
Left bottom: The orthophotomap with a pixel size of 25 cm of Biebrza River.

Benefits

- Facilitates the use of valuable spatial resources available online for all users.
- Provides environmental data and information on local development plans.
- Enables access to updated and new types of data.
- Prepares foundations for continued modernisation of frameworks and databases.