



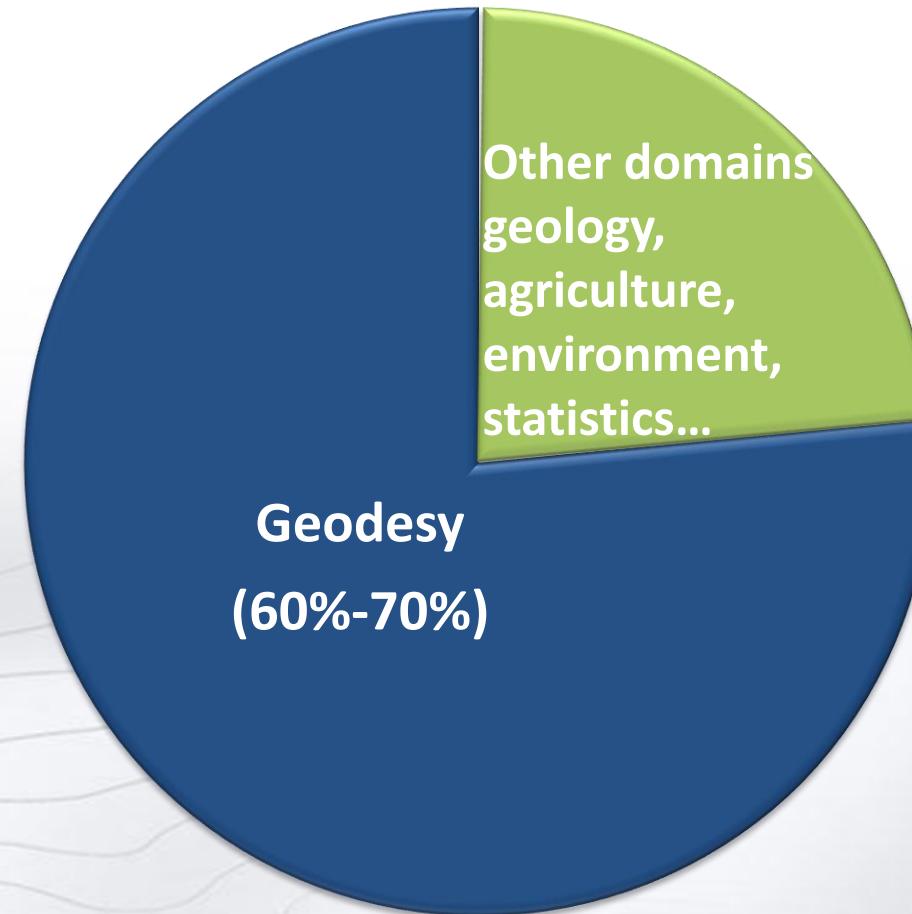
Polish Spatial Data Infrastructure for everyone

Head Office of Geodesy and Cartography 20th October 2020
Ewa Surma on behalf of Surveyor General of Poland

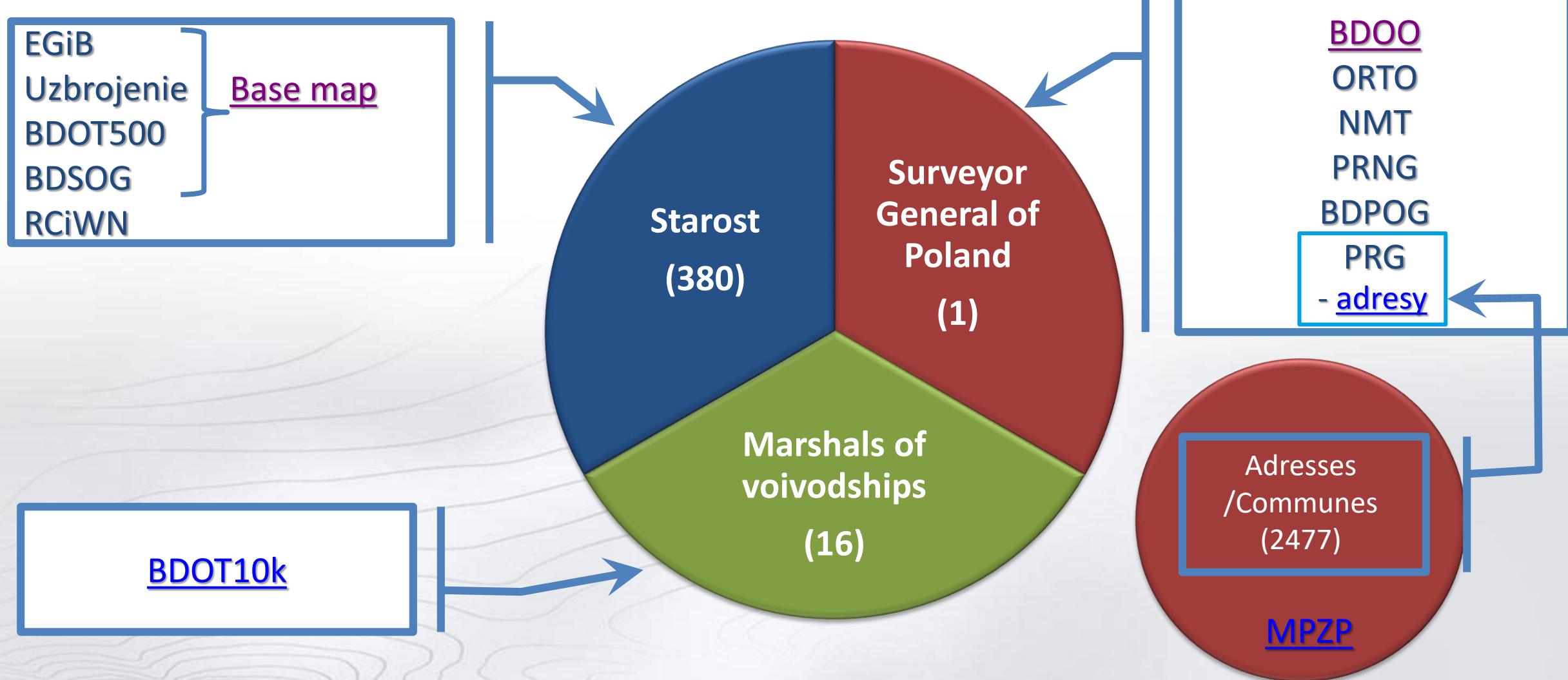
Spatial Data Infrastructure



Geodesy supplies 60-70% of information resources to our SDI



Geodetic Data in Poland





Geoportal.gov.pl



https://mapy.geoportal.gov.pl/imap/lmpg_2.html?gpmap=gp0&locale=en

... 🌐 ⚡

geoportal.gov.pl

FILE VIEW MEASUREMENTS DTM SEARCHES

National geoportal

wms eng ? YouTube

Map contents

Map contents Legend

Expand layers info

- Coronavirus
- Data for download
- National Register of Boundaries
- Adresses and streets
- Integration of cadastral data
- Integration of utilities networks
- Topographic objects
- Integration of local development plans
- Real estate prices
- Local map portals
- Grids and coordinate systems
- Points of interest
- Data of other organisations
- Landform
- Data aquisition status

The screenshot displays the Geoportal.gov.pl map interface. The main map shows Poland with a dense network of roads and major cities labeled. A prominent purple line highlights a specific route or path through the country. The interface includes a toolbar on the left with various icons for zooming, panning, and measurement tools. At the top, there is a navigation bar with back, forward, home, and search buttons, along with a URL bar showing the address. On the right side, there is a panel titled 'Map contents' which lists various data layers available for download as WMS services. The layers include National Register of Boundaries, Adresses and streets, Integration of cadastral data, Integration of utilities networks, Topographic objects, Integration of local development plans, Real estate prices, Local map portals, Grids and coordinate systems, Points of interest, Data of other organisations, Landform, and Data aquisition status. Some layers have checkboxes next to them, indicating they are currently selected or available.

Cooperation with Statistics Poland



National geoportal

eng

Map contents

Real estate prices

Local map portals

Grids and coordinate systems

Points of interest

Data of other organisations

- Main Office of Building Supervision
- Military Property Agency
- Institute of Geodesy and Cartography
- Institute of Meteorology and Water Management
- Polish Geological Institute
- General Directorate for National Roads and Mot
- National Water Management Authority
- Statistics Poland**
- Statistical units (BREC 2017)**

National Heritage Board of Poland

Ministry of Health

Office of Rail Transport

Niezabezpieczona | mapy.geoportal.gov.pl/imap/lmpg_2.html?gpmap=gp0&locale=en

geoportal.gov.pl

FILE VIEW MEASUREMENTS SEARCHES

Map coordinate system 1992 (EPSG 2180) X: 463122.09 Y: 486206.83 N: 52°2'2.83" E: 18°47'55.93" Current



Value-added – external services



National geoportal

eng Scale: 4000000

Map contents

- Integration of cadastral data**
- Integration of utilities networks**
- Integration of local development plans**
- Grids and coordinate systems**
- Points of interest**
- Data of other organisations**
 - Institute of Meteorology and Water Management
 - Polish Geological Institute
 - General Directorate for National Roads and Motorways
 - National Water Management Authority
 - Statistics Poland
 - National Heritage Board of Poland
 - Ministry of Health
 - Office of Rail Transport
 - Polish Railways S.A.
 - Agency for Restructuring and Modernisation of Infrastructure

Niezabezpieczona | mapy.geoportal.gov.pl/imap/lmpg_2.html?gpmap=gp0&locale=en

geoportal.gov.pl

FILE VIEW MEASUREMENTS SEARCHES

National geoportal

eng Scale: 4000000

Map contents

- Polish Geological Institute**
- Landslides and areas threatened by landslides**
- Flooding areas**
- Mineral deposits, mining areas, mineral resources**
- Forecasting and prospective areas**
- Drilling holes**
- Drilling holes - hydrological**
- Detailed geological map**
- Hydrology - groundwater monitoring**
- Caves**
- General Directorate for National Roads and Motorways**
- National Water Management Authority**
- Statistics Poland**
- Statistical units (BREC 2017)**
- National Heritage Board of Poland**

0.693s National geoportal | Loaded
0.002s National geoportal | Loaded
0.397s National geoportal | Loaded

Map coordinate system 1992 (EPSG 2180) X: 555500.23 Y: 1245168.09 N: 52°21'17.1" E: 29°57'42.65" Current scale 1:4000000

Map coordinate system 1992 (EPSG 2180) X: 427441.64 Y: 820775.58 N: 51°37'18.45" E: 23°38'10.28" Current scale 1:4000000

Tatry Bieszczady

Value added – combining different data sets



Screenshot of the National geoportal (geoportal.gov.pl) showing a map interface with multiple data layers.

The map displays a terrain surface with blue contour lines and red cadastral parcels. A legend on the left identifies the symbols: green square for National Register of Boundaries, blue square for Adresses and streets, green circle for Integration of cadastral data, blue circle for Integration of utilities networks, green square with a dot for Topographic objects, blue square with a dot for Integration of local development plans, green square with a dot for Real estate prices, green square with a dot for Local map portals, green square with a dot for Grids and coordinate systems, green square with a dot for Points of interest, green square with a dot for Data of other organisations, green square with a dot for Landform, blue square with a checkmark for Digital Terrain Model 1m x 1m, blue square with a checkmark for Digital Terrain Model, and blue square with a checkmark for Relief REST(hillshade).

The map interface includes standard controls for zooming (+/-), panning (arrow keys), and location (XYH). The top navigation bar shows two tabs: "FILE VIEW MEASUREMENTS DTM" and "FILE VIEW MEASUREMENTS DTM SEARCHES". The right side of the interface features a "Map contents" panel listing the available data layers, many of which are checked (indicated by a blue checkmark). The bottom status bar provides coordinates (X: 219494.62 Y: 607856.86 N: 49°49'59.09" E: 20°30'00.95") and scale (Current scale 1:5000).

Value added - combining different data sets





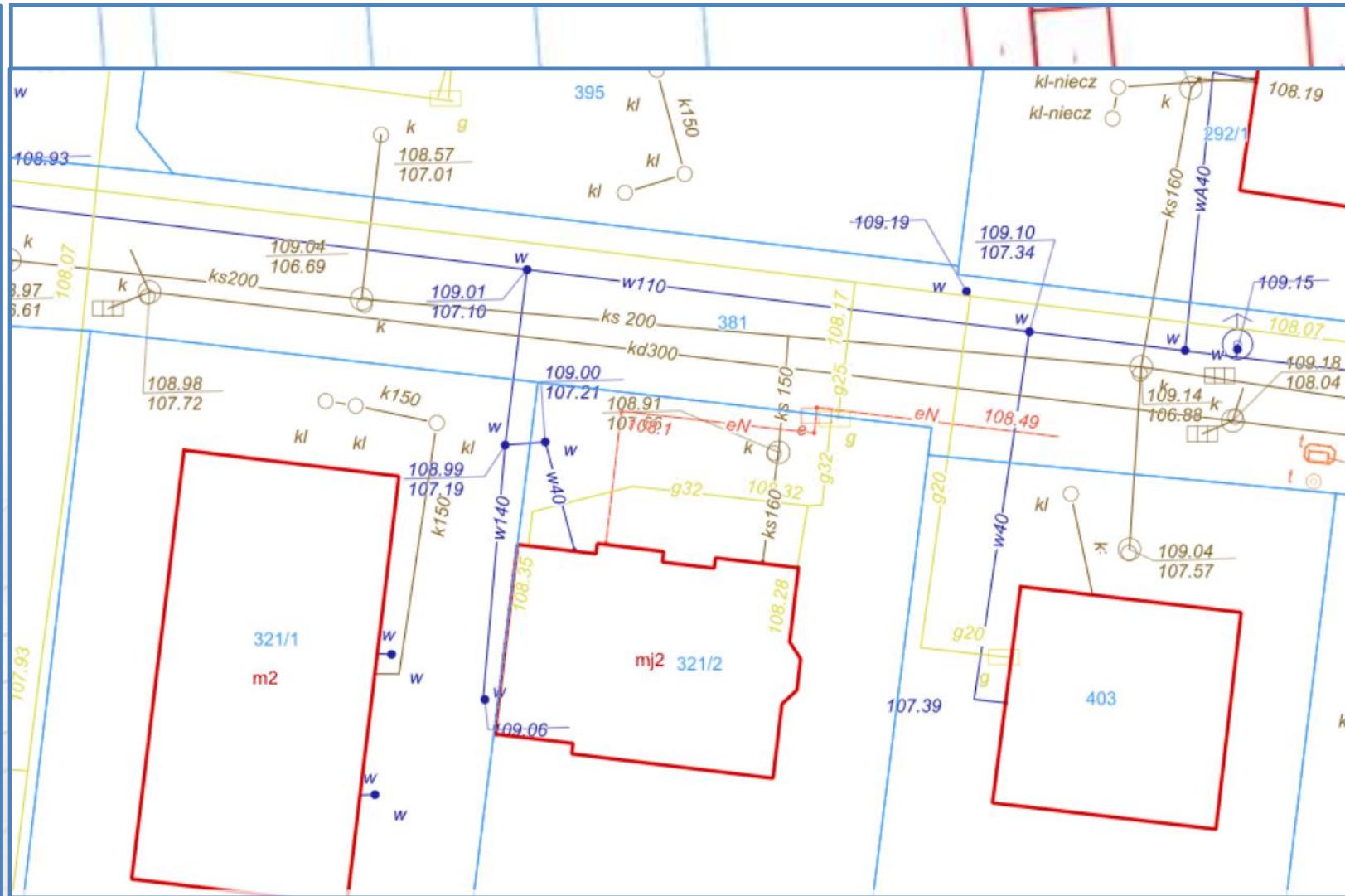
Integrated services



Map contents | **Legend**

Expand information on all layers

- National Register of Boundaries
- National Register of Boundaries - Adresses
- Integration of cadastral data
- Integration of utilities networks
- Integration of local development plans
- Districts
- Grids and coordinate systems
- Points of interest
- Data of other organisations
- Landform
- Data for download
- Data aquisition status
- Indexes
- Topographic maps
- Orthophotmap



Complete spatial information about any place in Poland

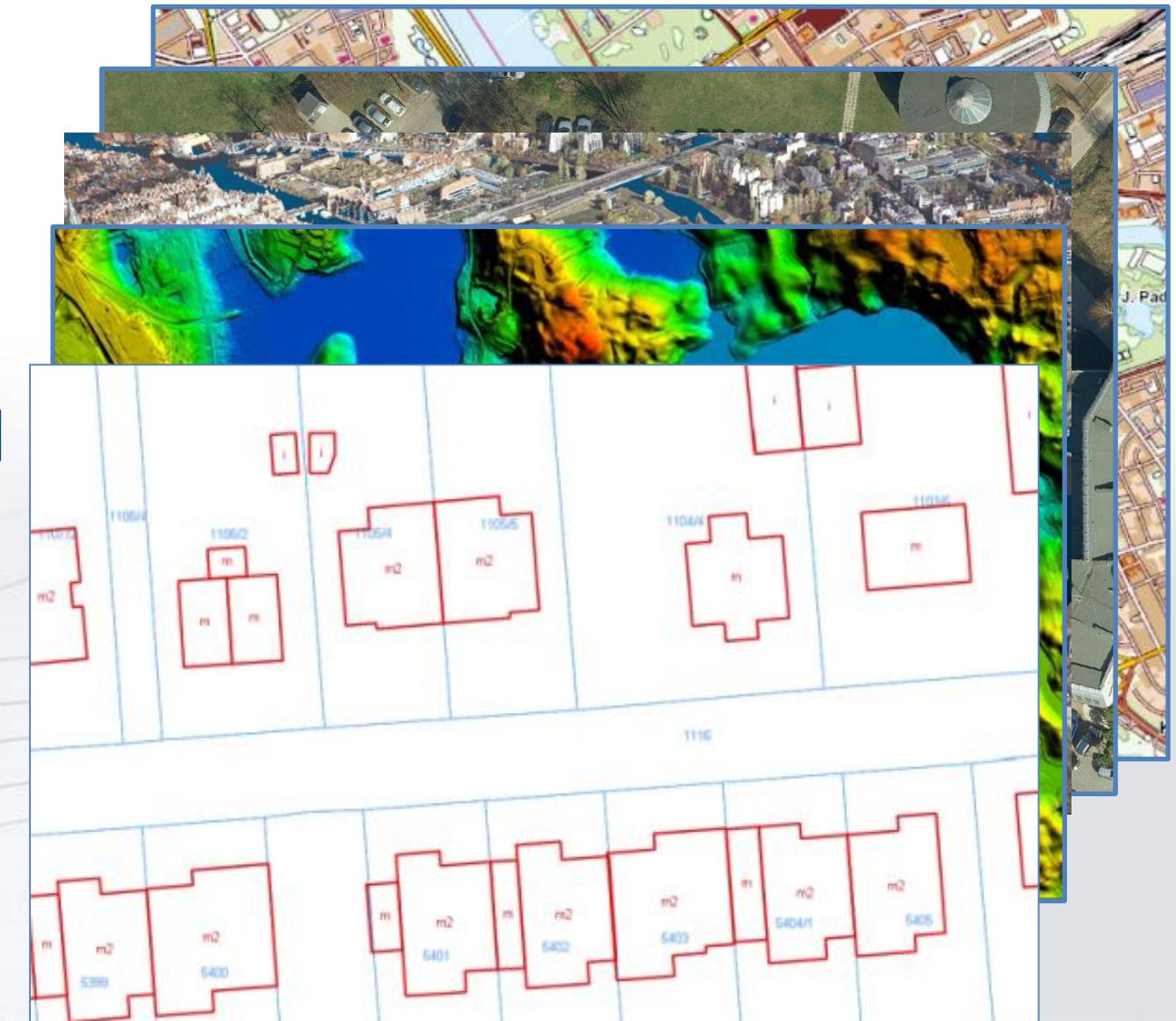


The screenshot shows a detailed cadastral map from the geoportal.gov.pl website. The map displays property boundaries (red lines), elevation points (blue dots with values like 108.61, 107.56, 108.47, etc.), and other geographical features. Overlays include green star icons representing buildings or landmarks, and yellow lines and labels such as 'w40', 'g20', 'k160', and 'k200'. A legend on the right lists services like 'Ewidencja gruntów i budynków' and 'Uzbrojenie terenu'. The bottom status bar provides coordinates (X: 489406.84 Y: 656966.81 N: 52°14'53.78"E: 21°18'00.17") and scale information (Aktualna Skala 1:250).

Ammendment to geodetic and cartographic law – more open data



1. Topographical data
2. Orthophotomap
3. LIDAR data
4. DTM
5. Base data about parcels and building



Easy access to data



Thanks to the release of spatial data in the amendment to the Geodetic and Cartographic Law, from July 31, 2020, you can download the released spatial data, among others from the website www.geoportal.gov.pl.

In August, as much as 68.57 TB spatial was downloaded. Most data was downloaded on August 17 - 5.16 TB, and on average they downloaded more than 2 TB of data per day.

Since the release of spatial data, 122.46 TB has been downloaded !

Instructions for downloading data can be found on the YouTube channel of the Head Office of Geodesy and Cartography:

<https://www.youtube.com/watch?v=7VsYSZxEkqE&feature=youtu.be>



Easy access to data



The screenshot shows a web-based geographical information system (GIS) interface. The main map displays a residential area with street names like 'Pawłów', 'Stasiów', 'Jazwie', 'Franciszków', 'Miedzypole', and 'Clówki'. Overlaid on the map are several red polygonal areas, likely representing cadastral or administrative boundaries. A central dialog box provides specific details for one of these areas:

Aktualność 2017 i starsze
7.177.25.22 2017 RGB

[Pobierz plik danych dla tej sekcji](#)

Godło
7.177.25.22

Aktualność
2017/07/14

Wielkość piksela
0.25

Układ współrzędnych
PL-2000:S7

In the top right corner, there is a separate window titled 'National geoportal' showing a larger map view of the area. The bottom right corner of the main map interface includes a 'Map contents' panel listing various data layers available for download, such as 'Coronavirus', 'Orthoimagery', 'Digital Elevation Model', and 'Digital Terrain Model'. The URL in the browser bar is https://mapy.geoportal.gov.pl/imap/Imgp_2.html?gpmap=gp0&locale=en.

Geoportal.gov.pl - visits



ⓘ 🔒 https://widok.gov.pl/statistics/geoportal-krajowy/



Home



Services



Traffic



Analyses



RWeb



Data sources



API - token



widok.gov.pl beta

POLSKI



Traffic: Geoportal Krajowy (<http://mapy.geoportal.gov.pl/imap/>)

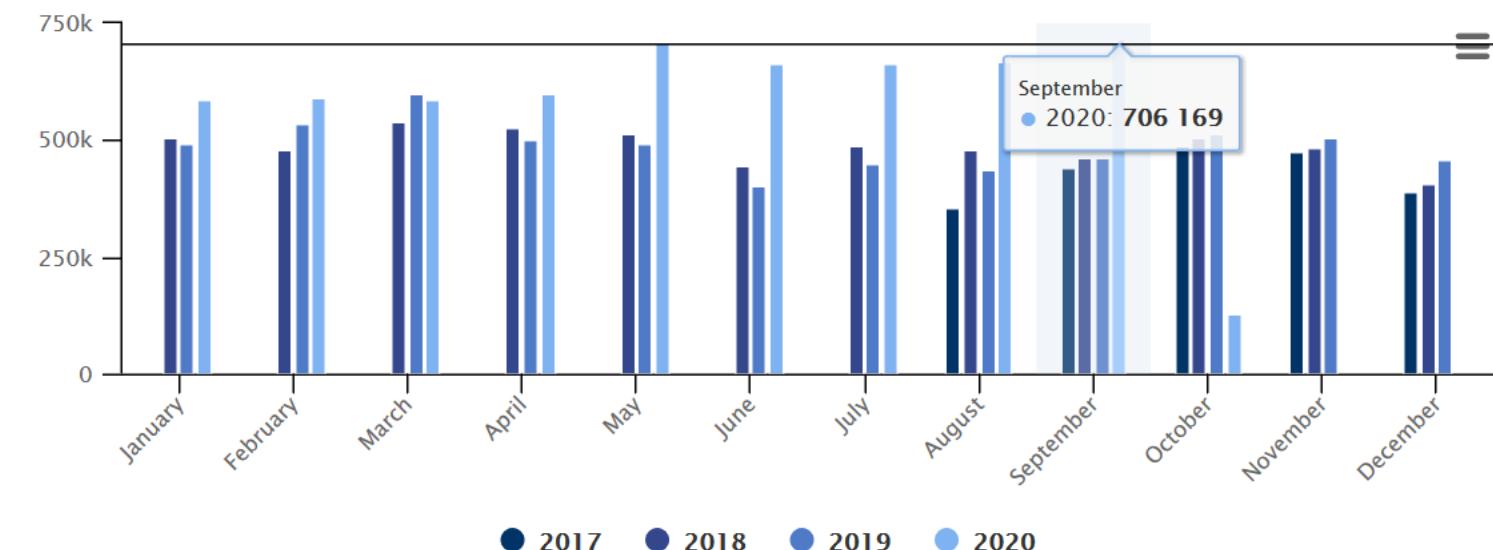
Pageviews

Annual



Year	Pageviews
2017	1.64M
2018	3.87M
2019	3.95M
2020	4.20M

Monthly



Summary



- 1. The spatial data infrastructure is a very important element of the state information infrastructure, as it significantly facilitates management and at the same time supports the development of an information society.**
- 2. Release all relevant geodetic data resources from voivodship and central level, such as topographic data BDOT10k, Digital Terrain Model, LIDAR data, orthophotomap.**
- 3. The universal availability of spatial data is a convenience primarily for citizens and administration, and also the development of companies and technologies that use the processing of data.**
- 4. Data release will increase innovations in private sector but also the role of research and development carried out by the education sector. Hopefully we will lounge the imagination and knowledge of users who will find completely new fields to use a lot of data collected in our central resource.**



Thank you for your attention !

 geoportal.gov.pl



Base map





Database of geographic objects (BDOO)



A screenshot of the Geoportal2 iMap application. The main view is a topographic map of the Minsk Mazowiecki region in Poland. A prominent yellow line highlights a route starting from Sulejówek, passing through Minsk Mazowiecki, and ending near Kałuszyn. The map shows various roads, rivers (e.g., Srebrna, Wiśnówka, Mienica), and local settlements. On the left, there's a toolbar with icons for zoom, pan, and selection. At the top, a menu bar includes 'PLIK', 'WIDOK', 'POMIARY', 'NUMERYCZNY MODEL TERENU', and 'WYSZUKIWANIA'. A sidebar on the right contains a 'Geoportal krajowy' section with a small map and a 'YouTube' button. The bottom of the screen shows coordinate information (X: 493377.12 Y: 676311.99 N: 52°16'41.10 E: 21°35'07.05") and a scale bar (0-3 km). The footer also credits OpenStreetMap contributors.



Database of topographic objects BDOT10k



Geoportal2 | iMap x +

Niezabezpieczona | mapy.geoportal.gov.pl/imap/lmpg_2.html?gpmap=gp0

geoportal.gov.pl

PLIK WIDOK POMIARY NUMERYCZNY MODEL TERENU WYSZUKIWANIA

biur. mag. biur. d. h. mag. szk. pl. sport.

Geoportal krajowy YouTube Zawartość mapy

WMS pol

Układ współrzędnych mapy 1992 (EPSG 2180) X: 483505.76 Y: 675565.60 N: 52°11'22.69"E E: 21°34'09.23"S Aktualna Skala 1:2000