

BIOGRAPHICAL NOTE

PRESENTER EWA SURMA / MODERATOR

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Session Nº. | Building one access point to cadastral and
other data that may help the environment

Director of the Department of Strategy, International
Cooperation and Public Information in the Head Office of
Geodesy and Cartography
Master of Science, AGH University of Science and
Technology, postgraduate studies GIS: Jagiellonian
University in Cracow, University of Salzburg.
Working experience with INSPIRE implementing rules
(metadata, interoperability of spatial data sets and services,
data and service sharing).
Expert experience of Geospatial data management and
analysis; Experience of working internationally.

PHOTO





Building one access point to cadastral and other data that may help the environment

Head Office of Geodesy and Cartography 26th of May 2021

Ewa Surma on behalf of Surveyor General of Poland

Lisboa, 26 and 27 May 2021

Catastrophic changes on our planet



	1937	2020
People in the world	2,3 bilion	7,8 bilion
Concentration of carbon dioxide	280 ppm	415 ppm
Area of wilderness	66 %	35 %

More digitisation— documentation of land registration



The number of technical documentation in electronic form is systematically growing.

In April 2021, 41% was transferred to the resource in electronic form, which is a result of approx. 10% better than in the previous month.

The basic impulse for the increase in the number of electronic documentation was the change in Geodetic and Cartographic Law.

All surveys will be submitted to the resource only in electronic form. The introduction of an electronic survey is a very important task in the computerization of geodesy, because in this way we avoid over a million paper documents in circulation

In 2020 it was submitted in total 1 013 399 documents



The electronic documentation of land surveying works is a benefit for the contractors of surveying works, easy to prepare files, quick transfer.

The electronic document does not transmit the virus (!)

Immediate publication on the internet for other land surveyors

More digitisation— documentation of land registration



According to our regulation only until 31 of December this year it is allowed to produce paper documentation on land surveying works.

The electronic documentation is applicable



Computerization of the service of geodetic works (communication with contractors, electronic survey document).

Computerization of the investment process by introducing a numerical form of a map for design purposes and a numerical form of as-built inventory.

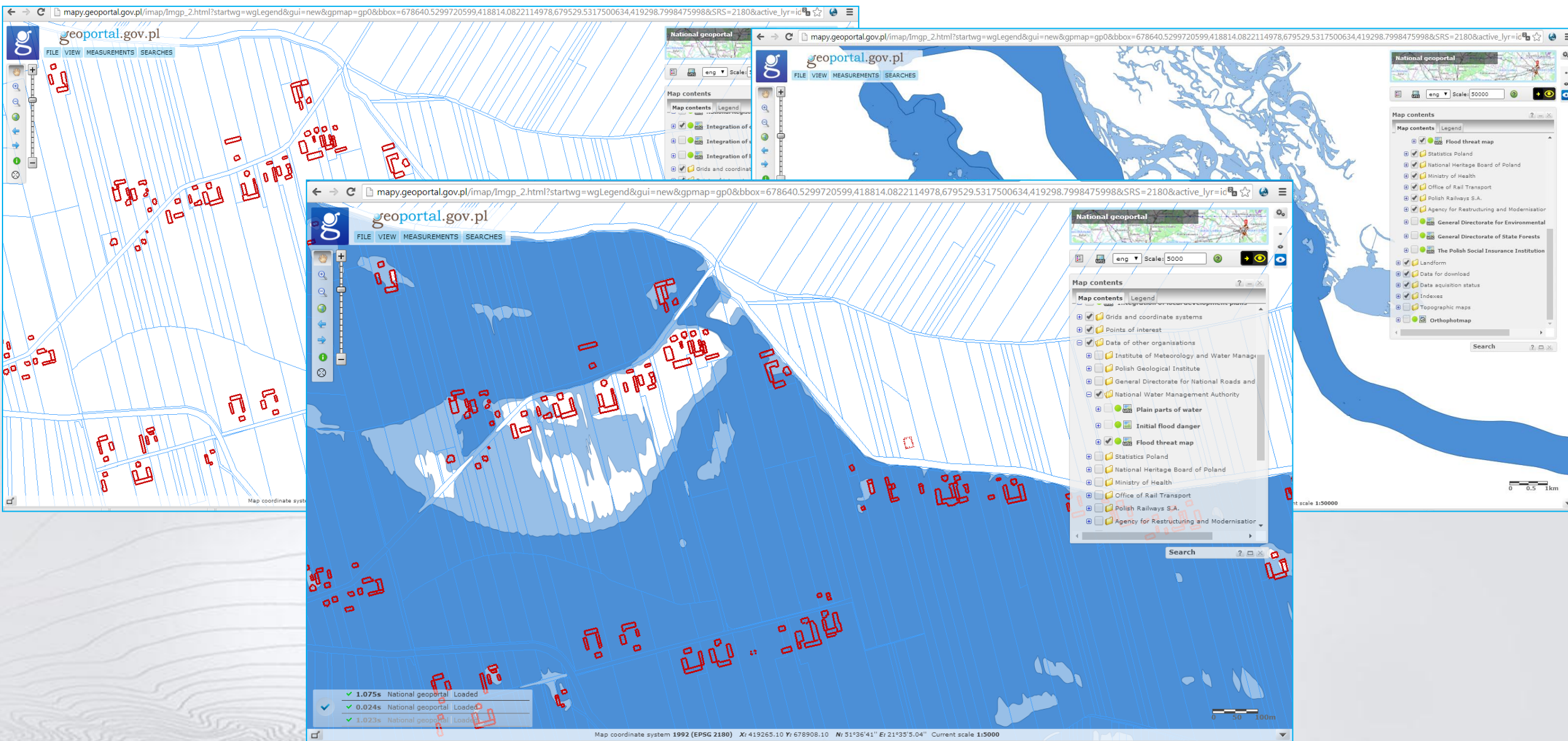


Technical drawing of a water supply system (Zbiornik nr 1) showing a network of pipes, valves, and storage tanks. The drawing includes elevation points, pipe diameters, and labels for various components like 'ks200', 'w110', 'g32', and 'eN'. Three red-outlined areas are labeled '321/1 m2', 'mj2 321/2', and '403'.

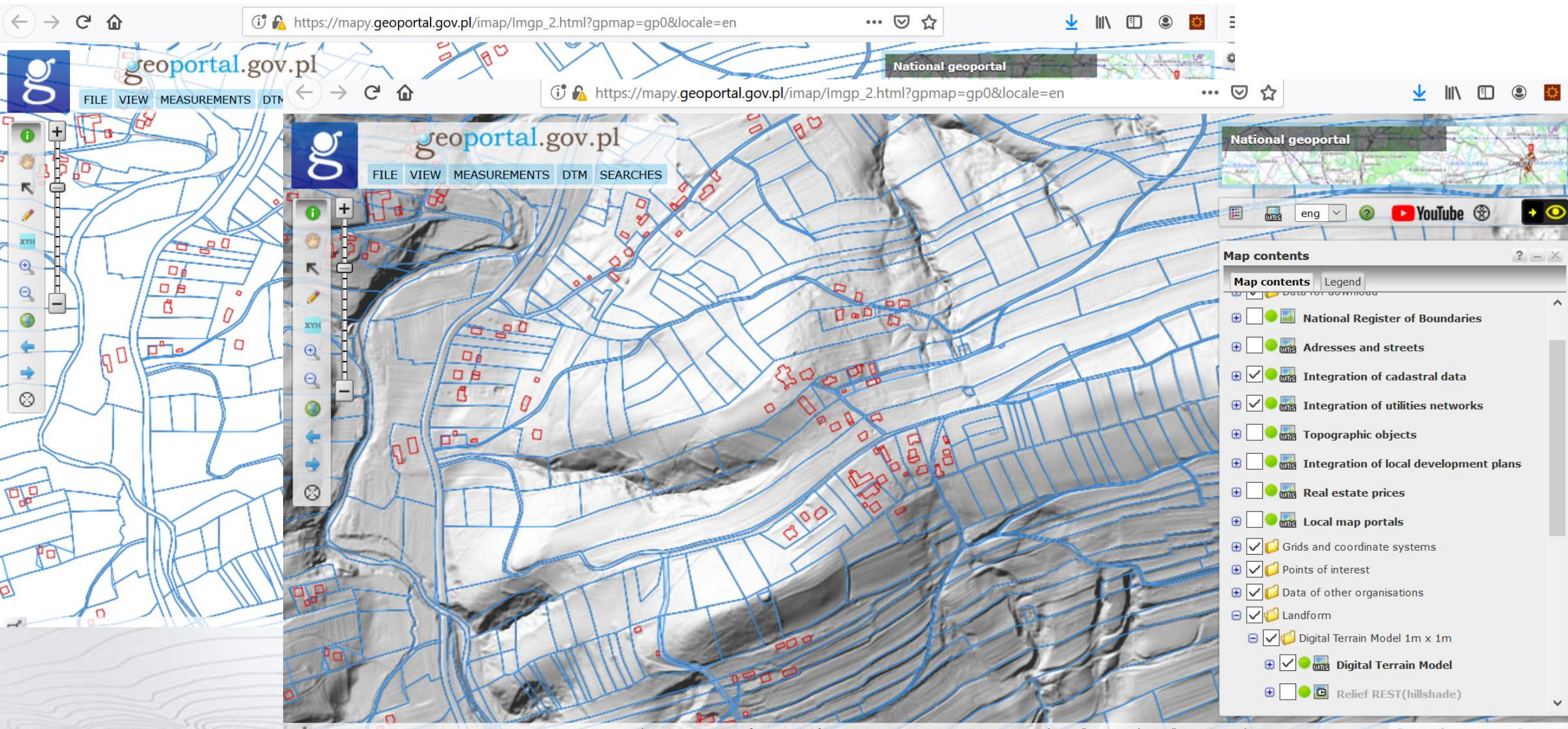




Value added - combining different data sets



Value added – combining different data sets



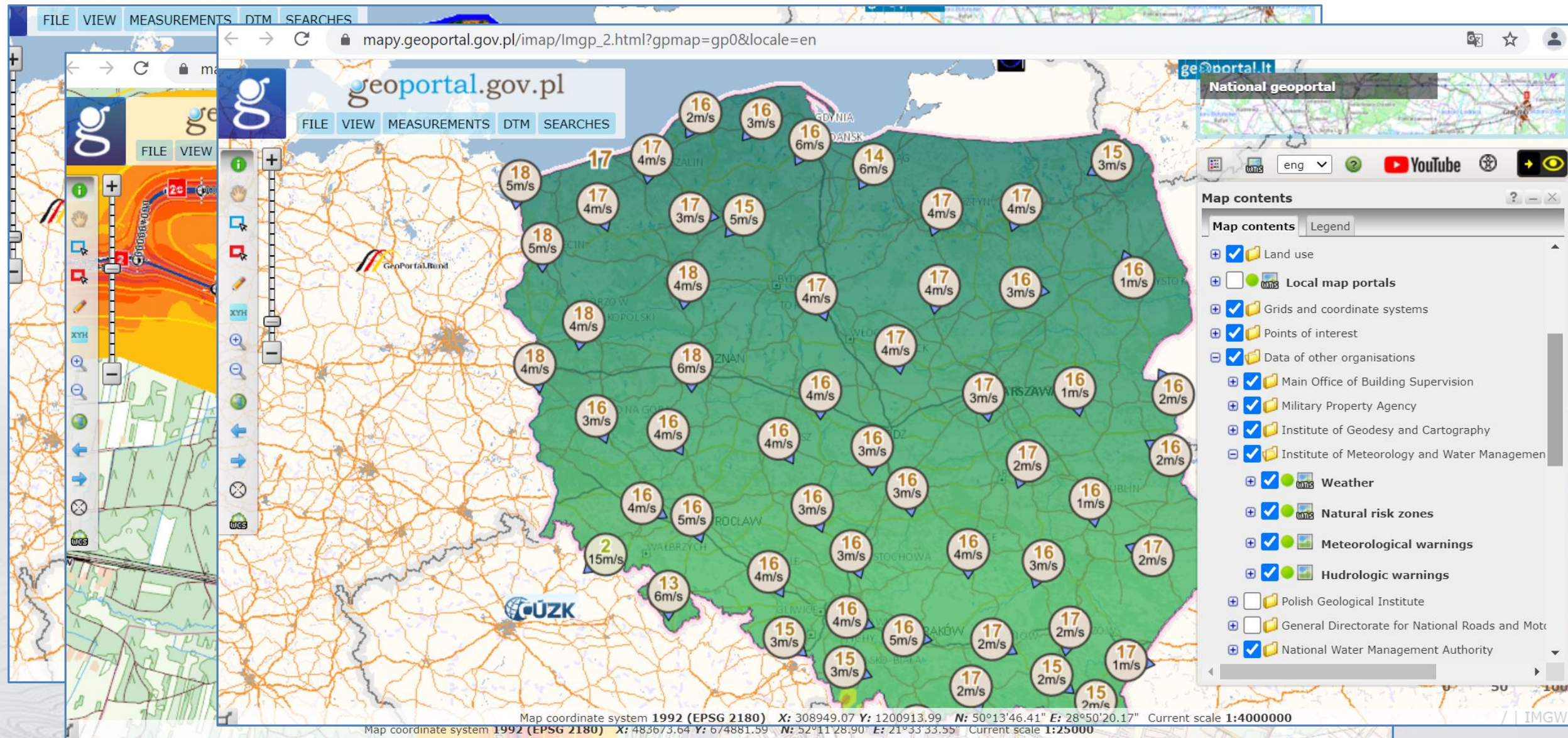
The screenshot displays the National Geoportal interface. The main map area shows a grayscale topographic map with blue cadastral boundaries and red building footprints. The interface includes a top navigation bar with 'FILE', 'VIEW', 'MEASUREMENTS', 'DTM', and 'SEARCHES' tabs. A right-hand panel titled 'Map contents' lists various data layers with checkboxes for selection. The status bar at the bottom provides map coordinates and scale information.

Map contents

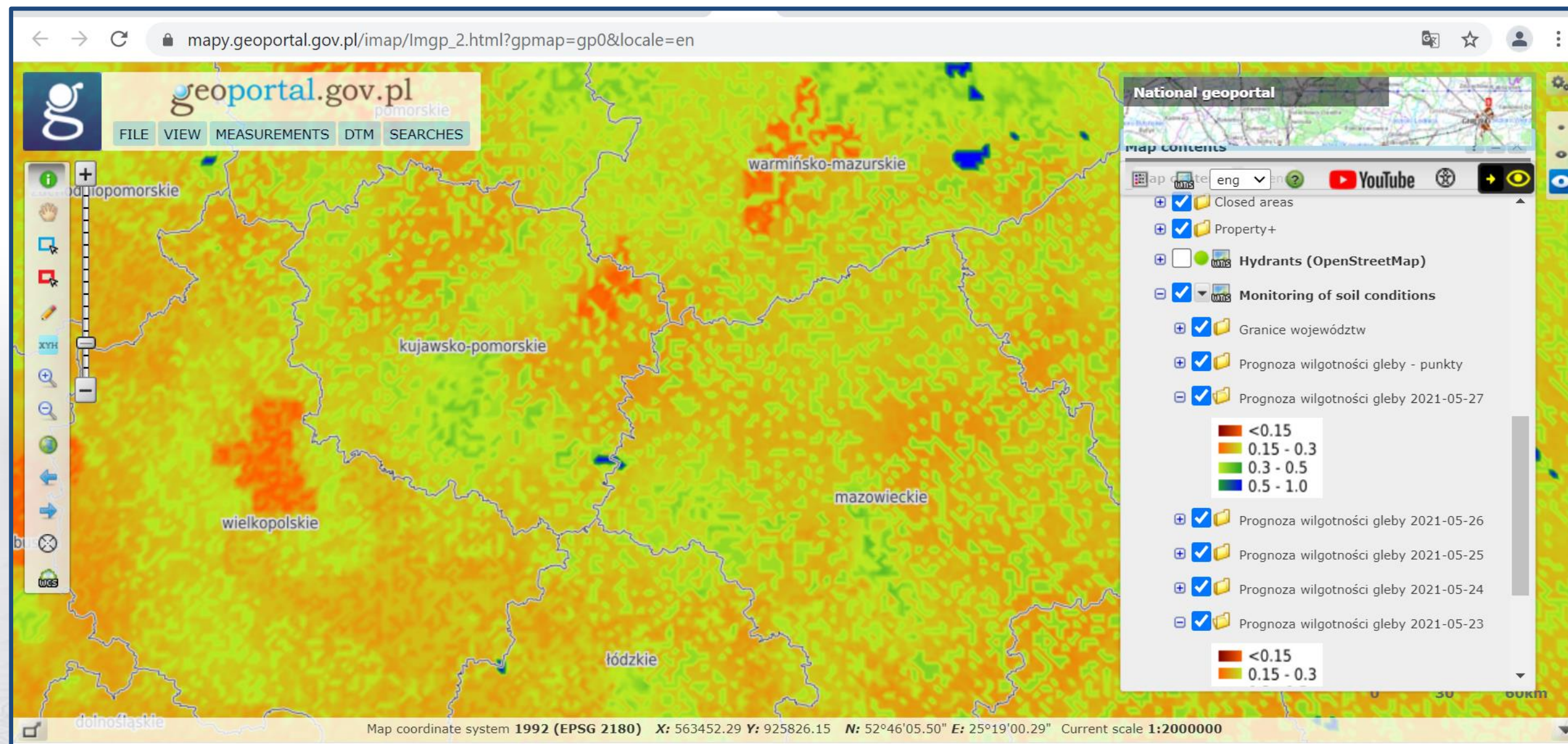
- ☐ Data for download
- ☐ National Register of Boundaries
- ☐ Adresses and streets
- ☒ Integration of cadastral data
- ☒ Integration of utilities networks
- ☐ Topographic objects
- ☐ Integration of local development plans
- ☐ Real estate prices
- ☐ Local map portals
- ☒ Grids and coordinate systems
- ☒ Points of interest
- ☒ Data of other organisations
- ☒ Landform
- ☒ Digital Terrain Model 1m x 1m
 - ☒ Digital Terrain Model
 - ☐ Relief REST(hillshade)

Map coordinate system 1992 (EPSG 2180) X: 219494.62 Y: 607856.86 N: 49°49'59.09" E: 20°30'00.95" Current scale 1:5000

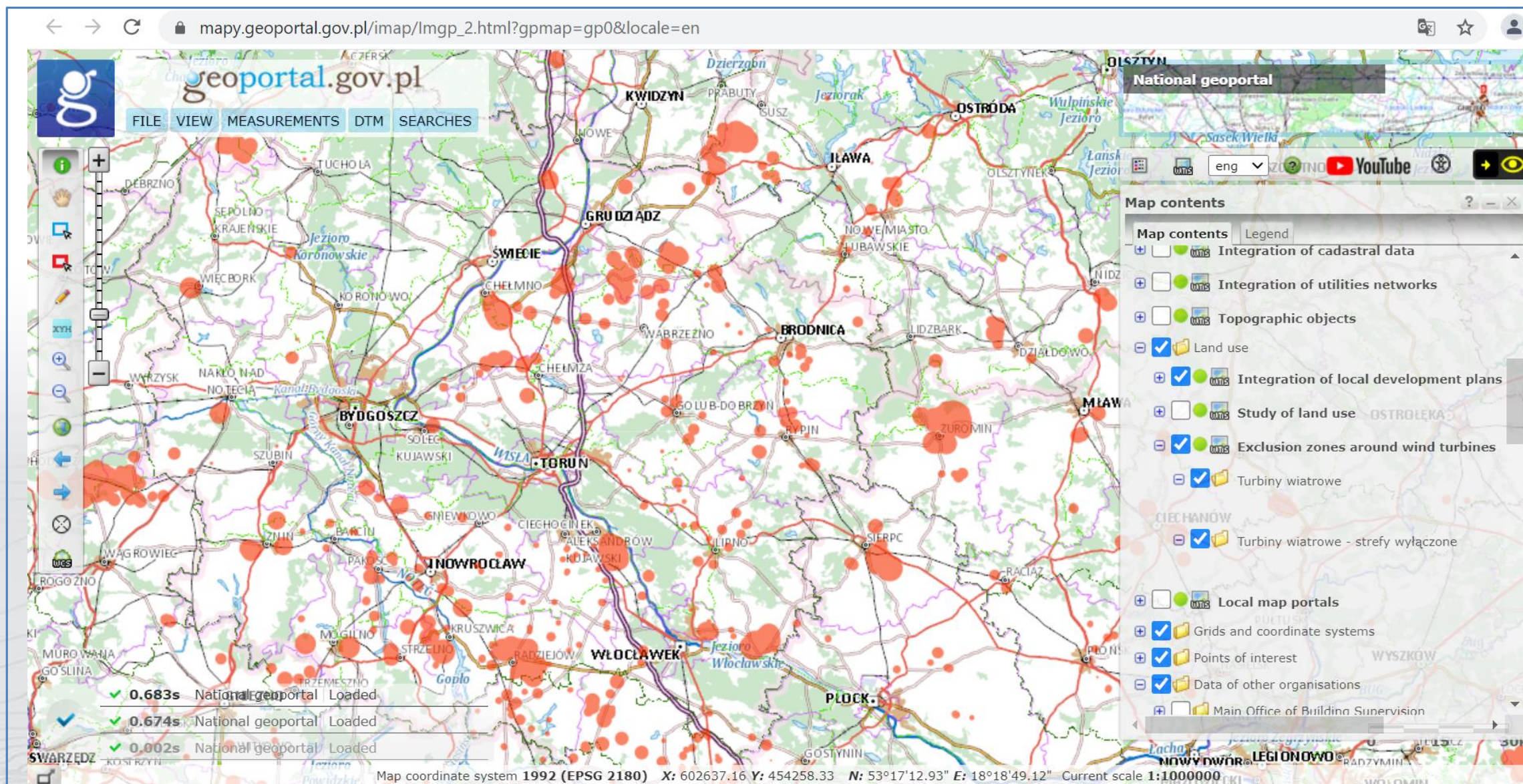
Environmental data



Monitoring of soil condition



Exclusion zones around wind turbines



Integration of local development plans

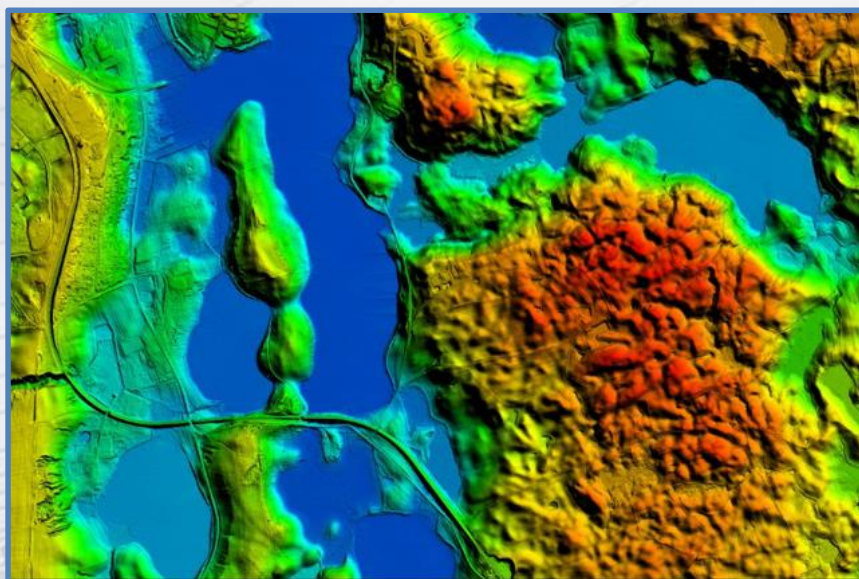
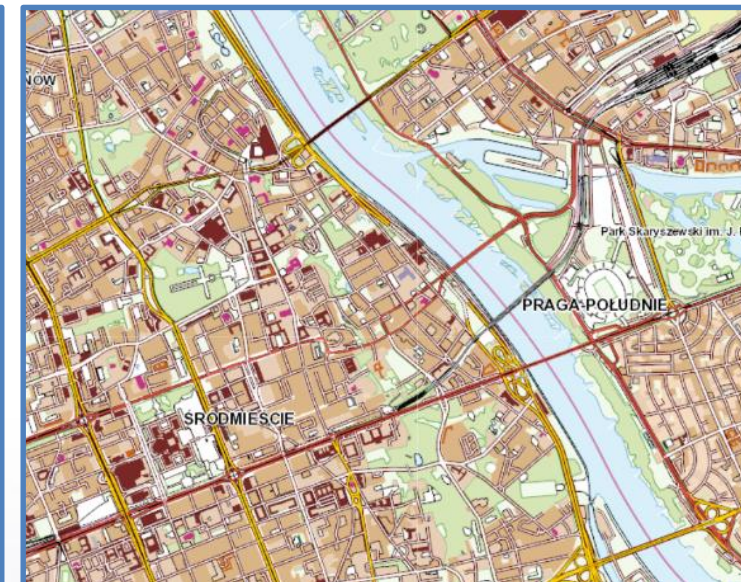
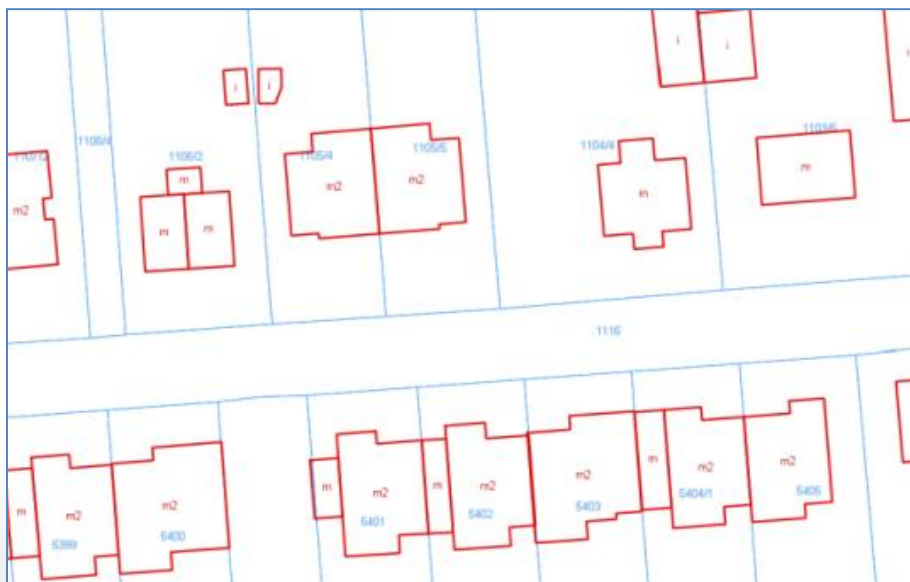


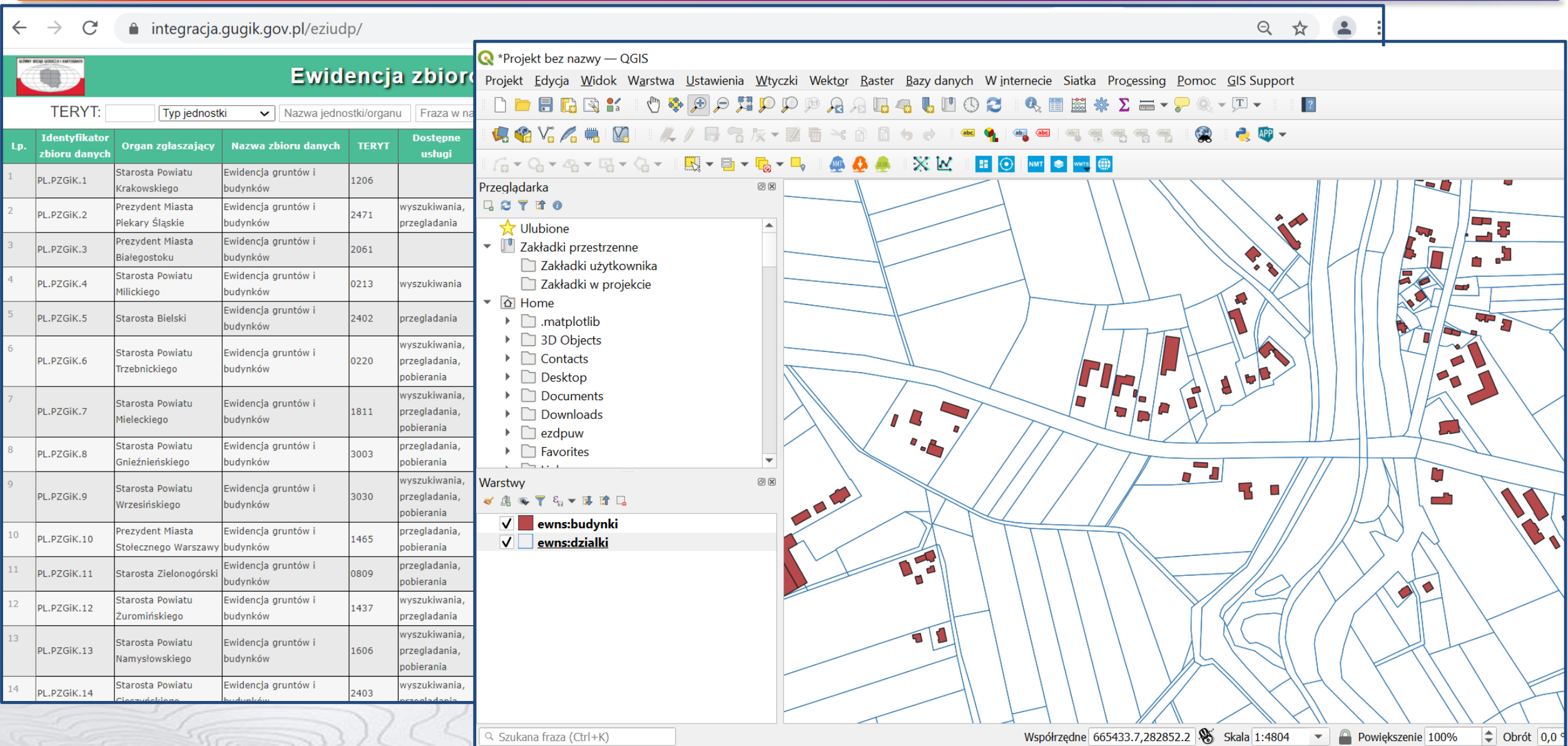
mapy.geoportal.gov.pl/imap/lmgp_2.html?gpmap=gp0&locale=en



The screenshot displays the National Geoportal interface. The main map area shows an aerial view with various land use overlays in different colors and patterns, including orange, yellow, green, and red with diagonal stripes. Labels like 'MN', 'R', 'LS', 'KUD', and 'KDW' are visible on the map. The interface includes a top navigation bar with 'FILE', 'VIEW', 'MEASUREMENTS', 'DTM', and 'SEARCHES'. A left sidebar contains map navigation tools. A right sidebar titled 'Map contents' lists various data layers, with 'Integration of local development plans' expanded to show sub-layers like 'Granice planów', 'Plany wektorowe-Obiekty punktowe', 'Plany wektorowe-Obiekty liniowe', 'Plany wektorowe-Obiekty powierzchniowe', 'Plany wektorowe-Linie zabudowy', 'Plany wektorowe-Strefy', and 'Plany rastrowe'. The 'National geoportal' logo and a 'YouTube' button are also visible in the top right corner of the map area.

Open data





Easy access to data



geoportal.gov.pl

FILE VIEW MEASUREMENTS DTM SEARCHES

National geoportal

Map contents

Map contents Legend

Expand layers info

- ☒ Coronavirus
- ☒ Data for download
- ☒ Orthoimagery
 - ☒ Based on data acquisition data
 - ☐ Based on pixel size
- ☒ Digital Elevation Model
- ☒ Digital Terrain Model
- ☒ LIDAR measurements
- ☐ Basic Geodetic Network
- ☐ State Boundary Register
- ☐ Data BDOO
- ☐ Topographical database
- ☐ 3D Models of buildings
- ☐ National Register of Boundaries
- ☐ Addresses and streets

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

Easy access to data – WCS services



← → ↻ mapy.geoportal.gov.pl/imap/lmgp_2.html?gpmap=gp0&locale=en    


 **geoportal.gov.pl**
FILE VIEW MEASUREMENTS DTM SEARCHES








                        

Pobierz dane z usługi WCS

HighResolution (3) - Przeglądarka fotografii systemu Windows

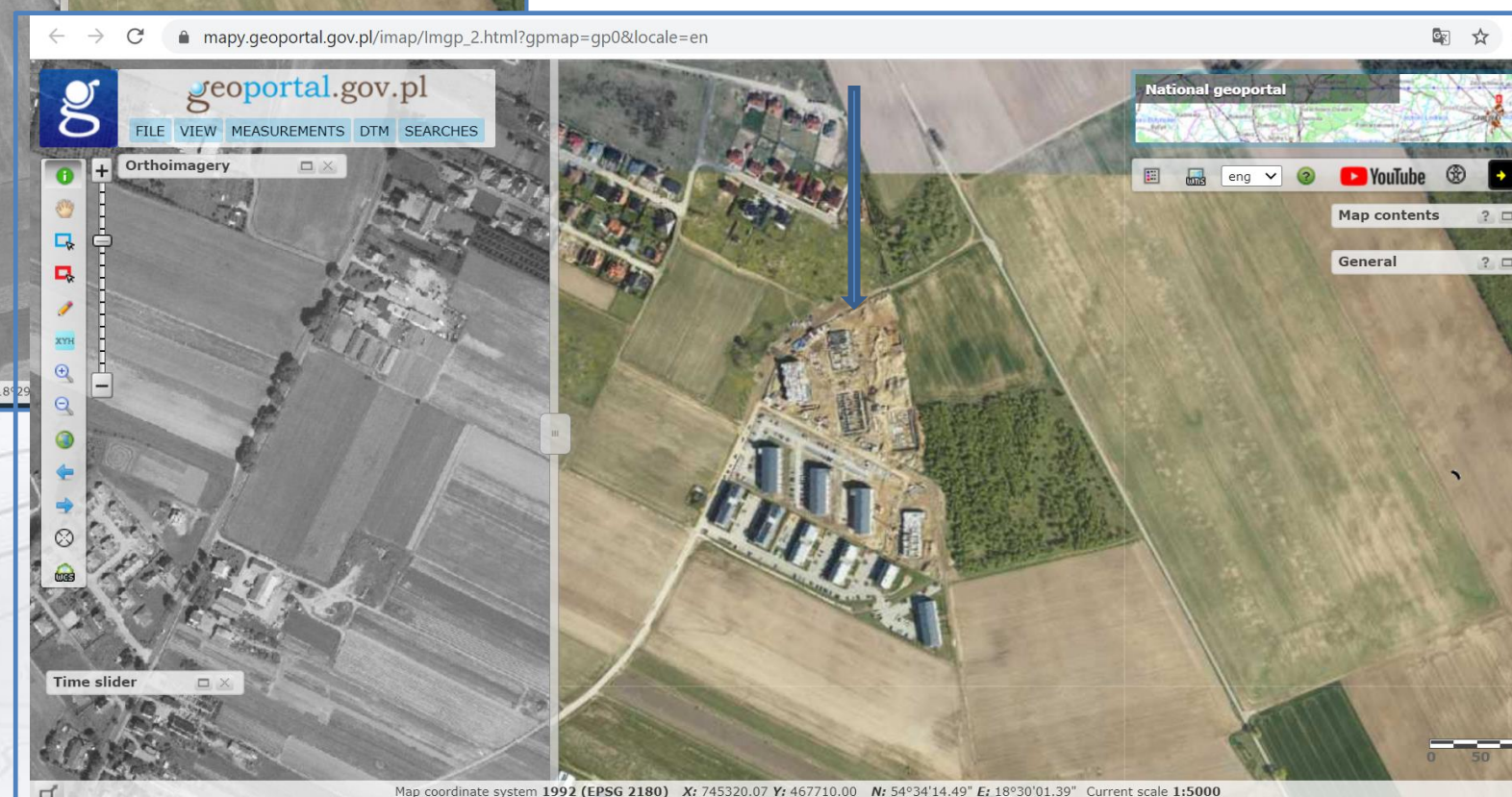
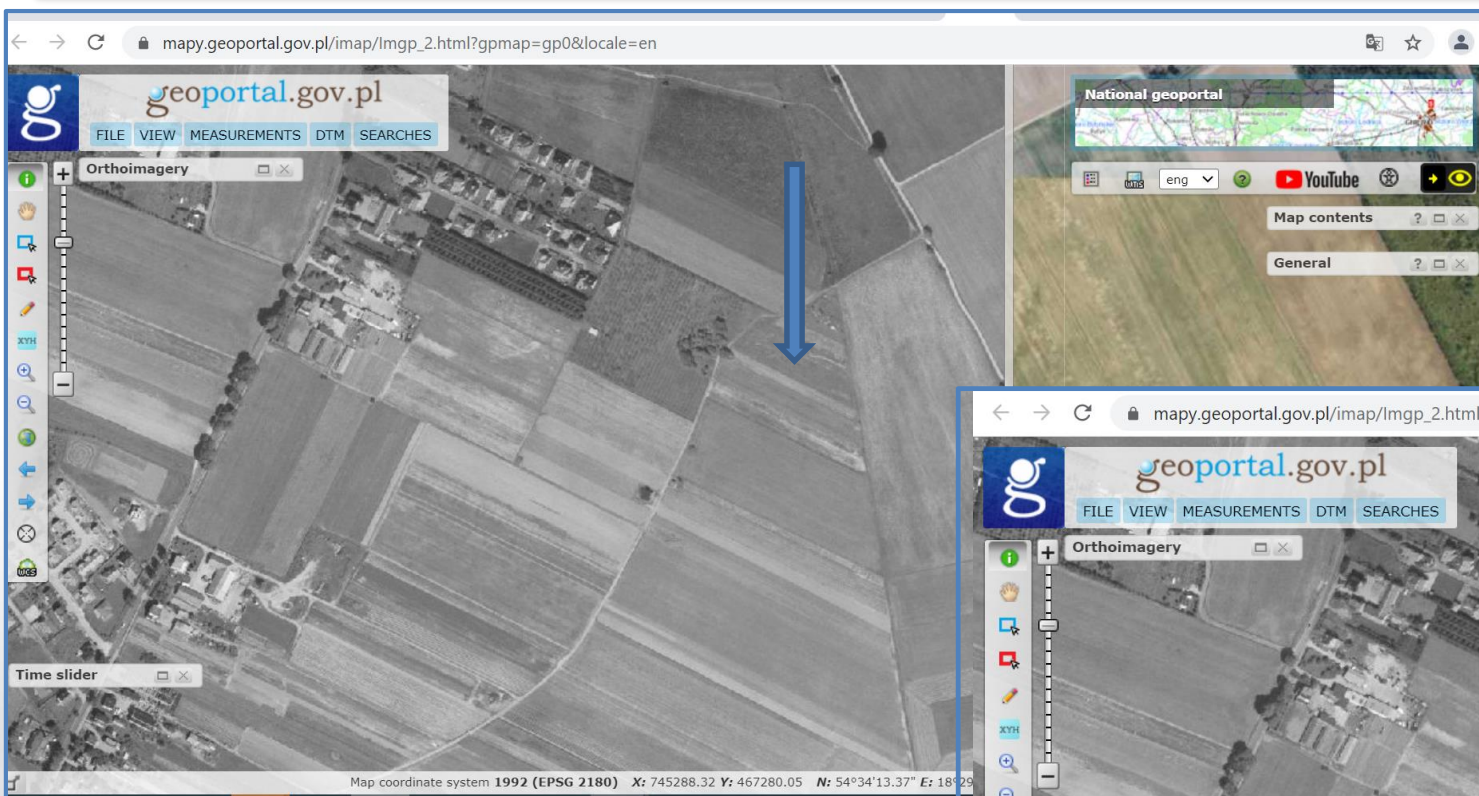
Plik ▾ Drukuj ▾ Poczta e-mail Nagraj ▾ Otwórz ▾



Map coordinate system **1992 (EPSG 2180)** X: 243299.66 Y: 567016.91 N: 50°03'11.46" E: 19°56'11.17" Current scale 1:2000

Orthoimagery – time slider





Many online meeting and trainings sessions

Expert SDI Trainings

**Stage I: 2017 - 2018 =>
GUGiK in partnership**

- 654 participants from regional public administration
- 182 public institutions
- 50 trainings – 3 days/22 h
- 2/3 of time for computer based workshops
- 10 locations

Stage II: 2020-2021 on-line training GUGiK

Expert SDI Trainings

- 1100 participants
- On-line training (5days/4h)
- Voivodship Marshal officers
- County officers
- Commune office workers

Basic INSPIRE Trainings

- 70 participants
- Central administration officers
- INSPIRE administration officers

The key is to teach the society to use SDI !



Home



Services



Traffic



Analyses



RWeb



Data sources



API - token



Changelog



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

3.98M

2020

5.48M

2021

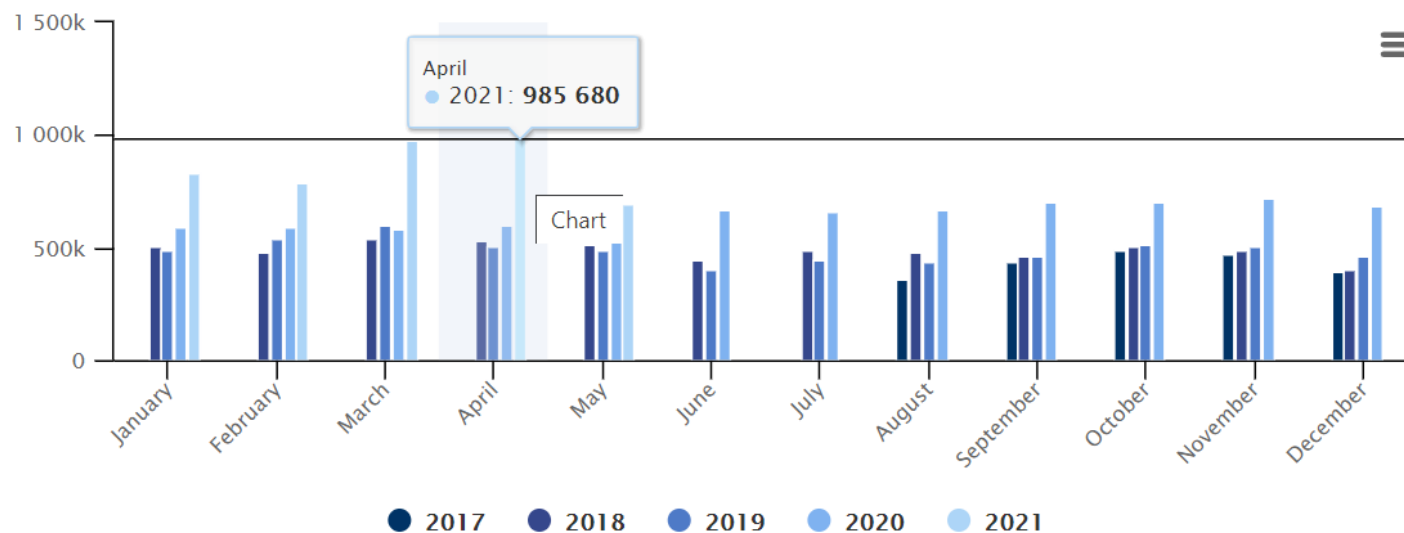
3.24M

Chart type

Doughnut



Monthly



Summary



- 1. In our field we create many solutions that may help to raise the awareness on the environment.**
- 2. 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.**
- 3. Release all relevant geodetic data resources from voivodship and central level, such as topographic data BDOT10k, Digital Terrain Model, LIDAR data, orthophotomap. (no paper applications needed any more...)**
- 4. Integrated services for cadastre with easy access for downloading other data**



Thank you for your attention !

 **geoportal.gov.pl**