

"Cadastre - Contributions for a low carbon economy and society" Joint PCC and EuroGeographics CLRKEN Webinar

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 documention 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



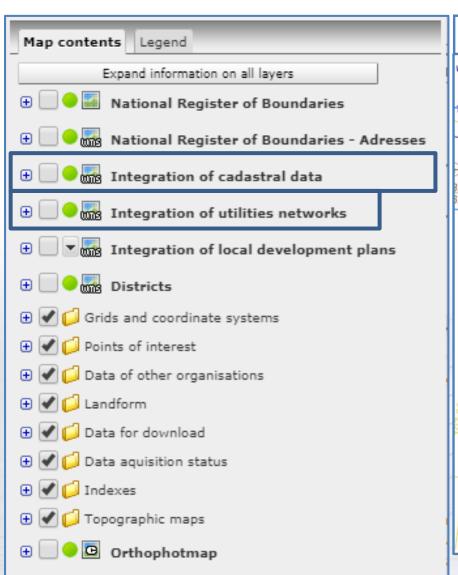
Computerization of the service of geodetic works (communication with contractors, electronic survey document).

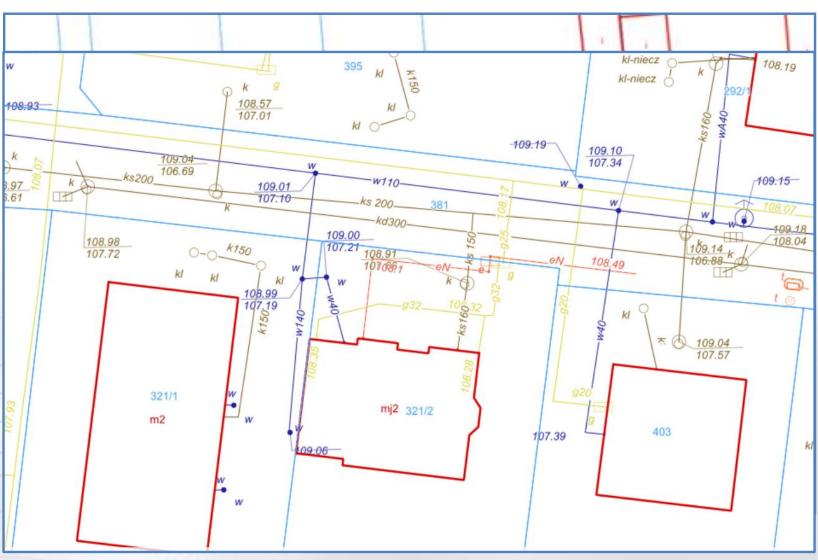
Computerization of the investment process by introducing a numerical form of a map for design purposes and a numerical form of as-built inventory.



Integrated services

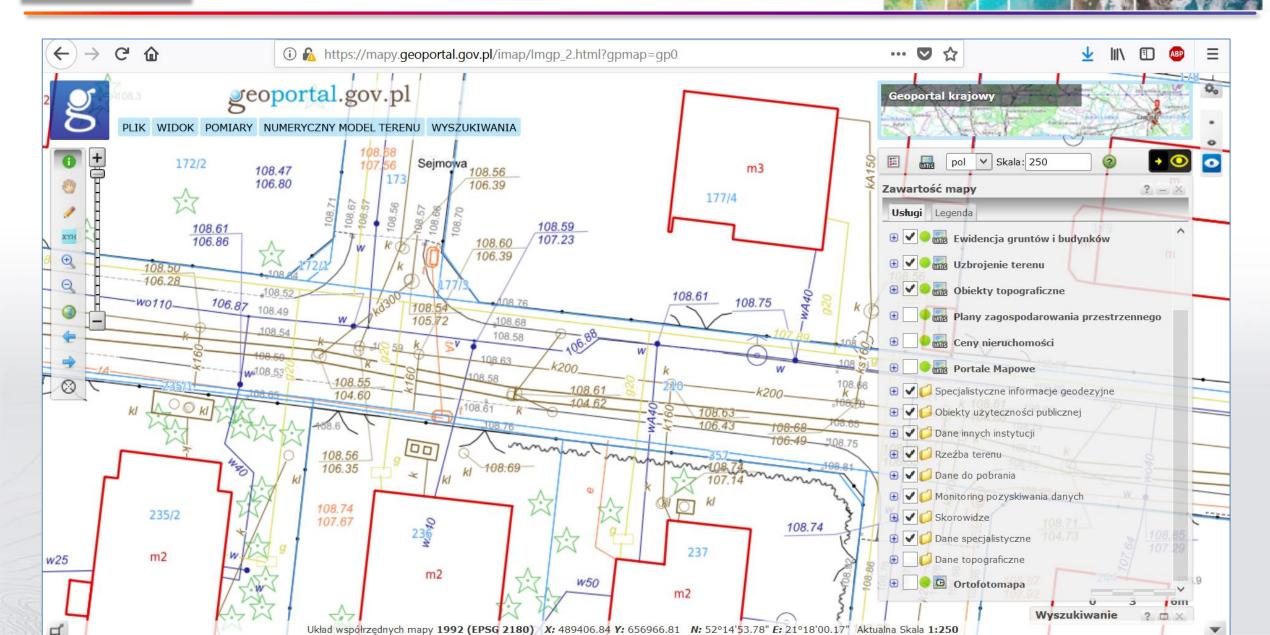








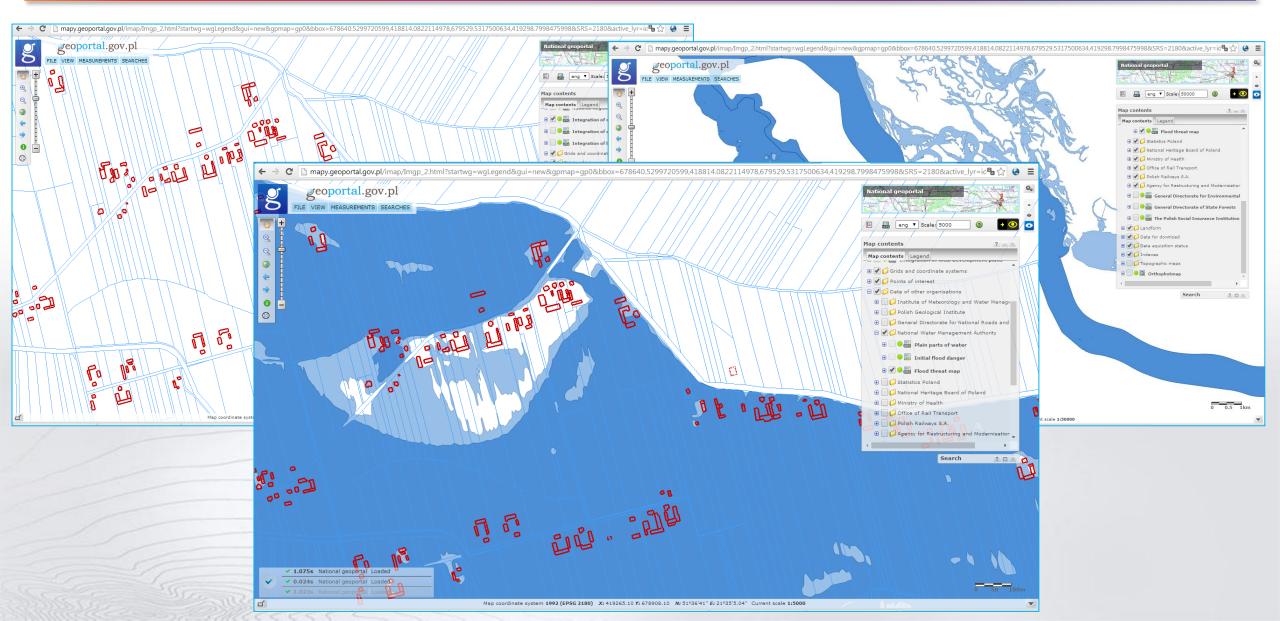
Complete spatial information about any place in Poland





Value added - combining different data sets

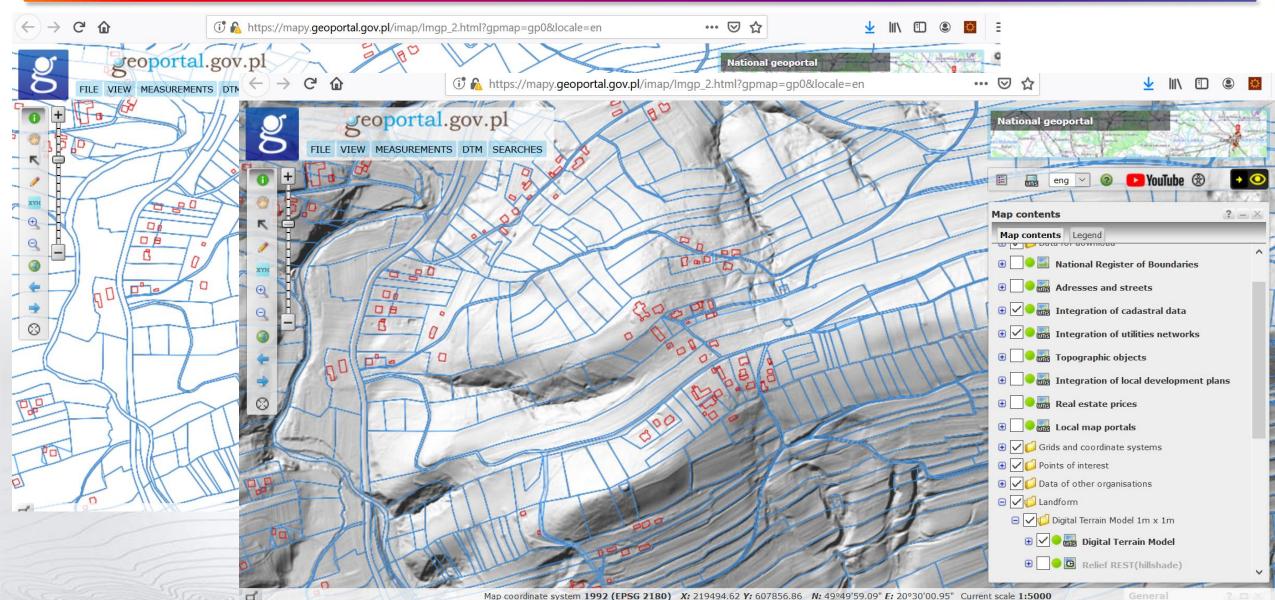






Value added – combining different data sets

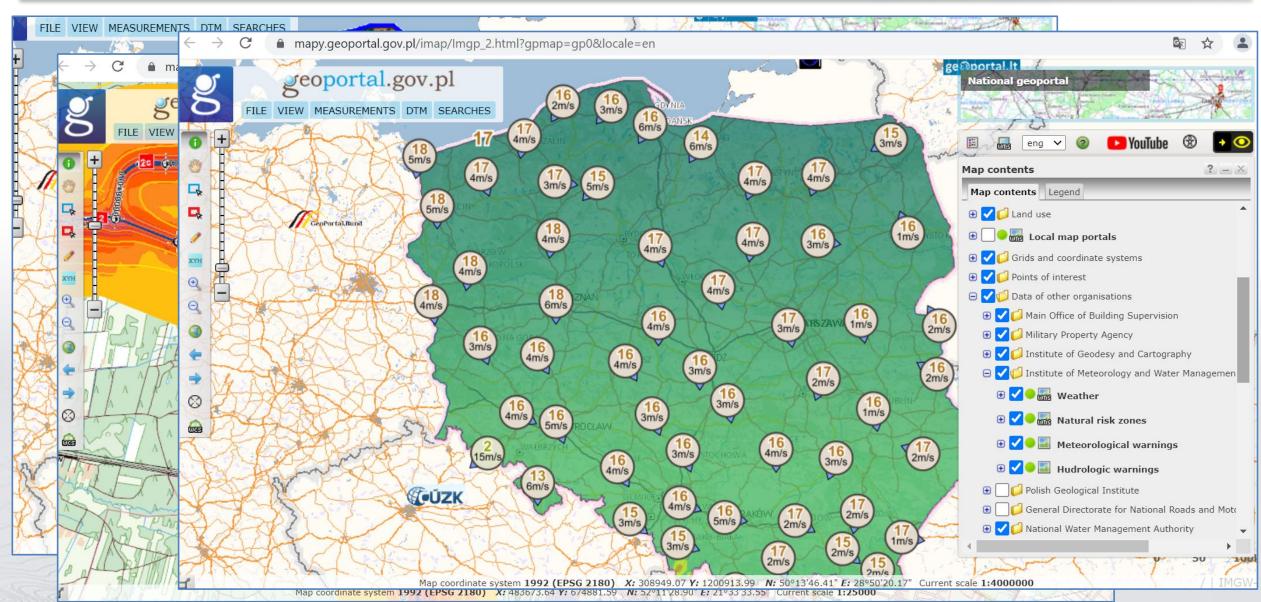






Environmental data

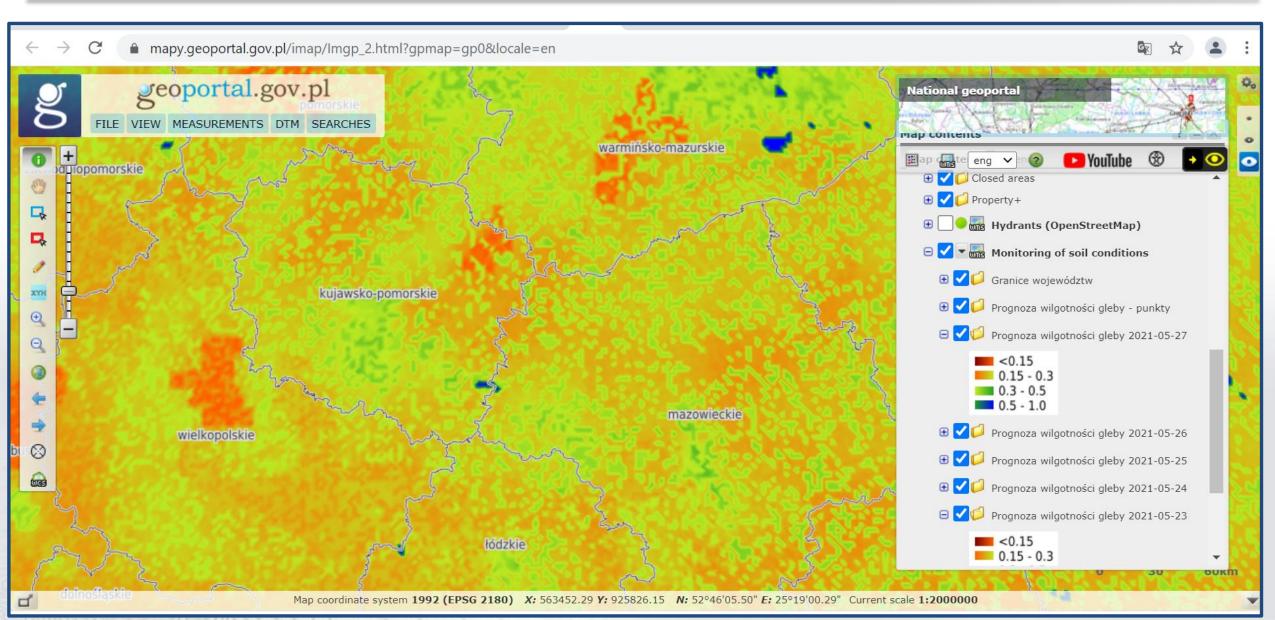






Monitoring of soil condition

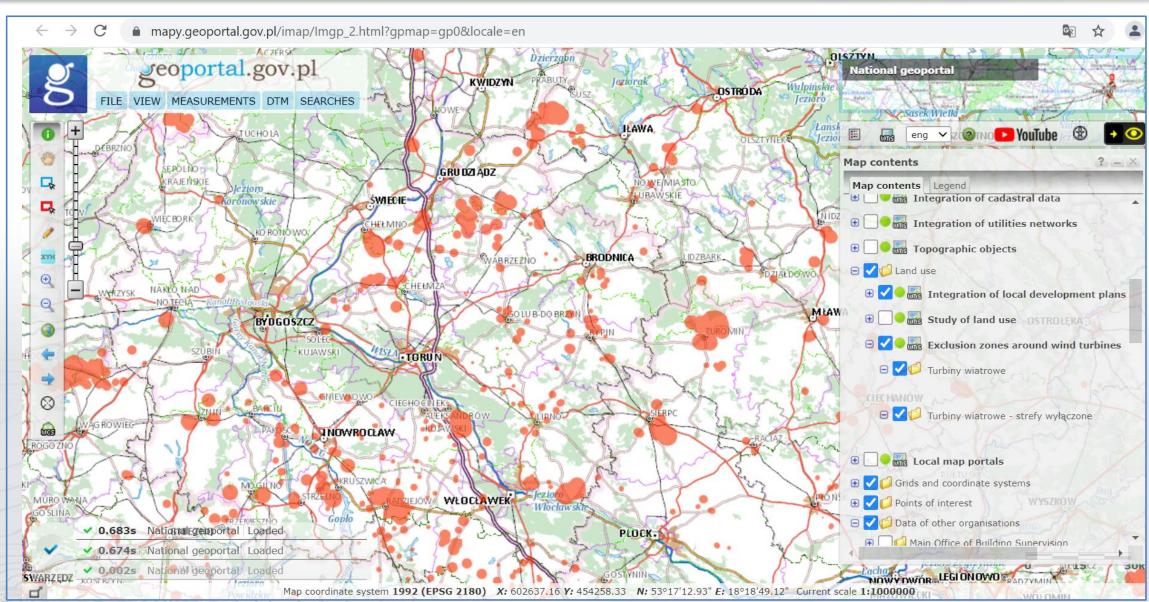






Exclusion zones around wind turbines

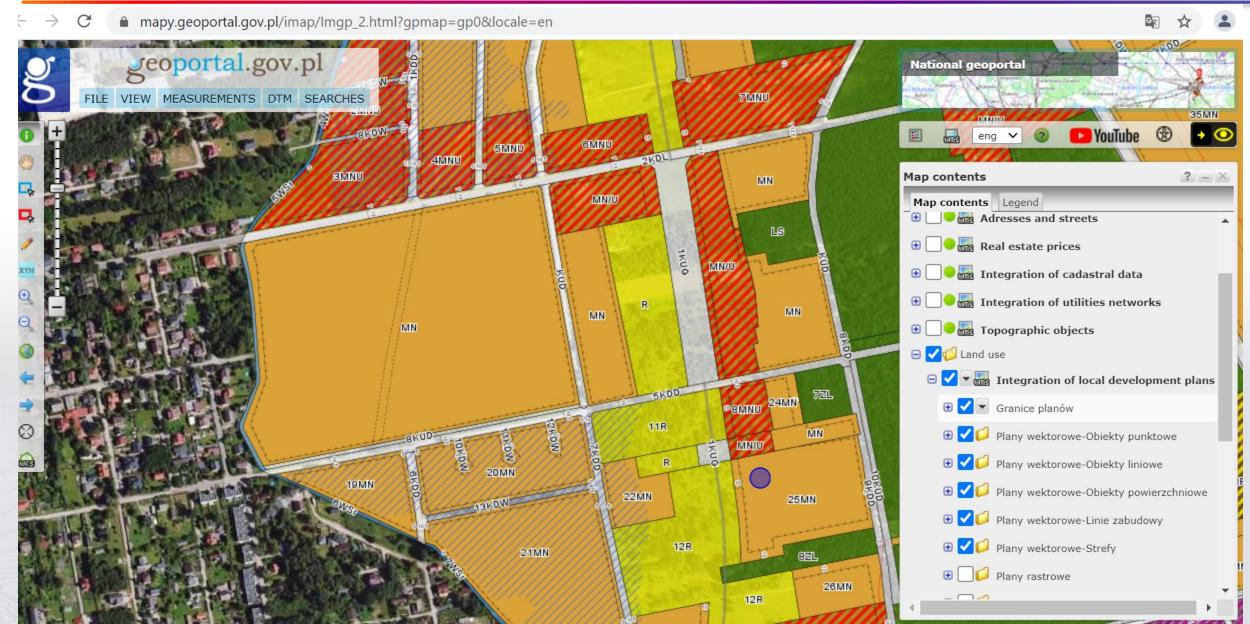






Integration of local development plans

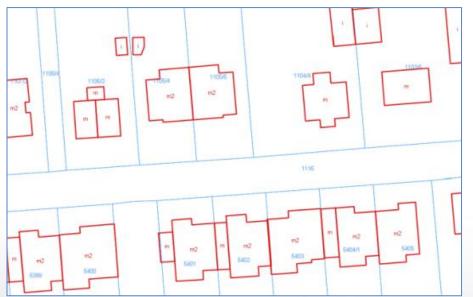




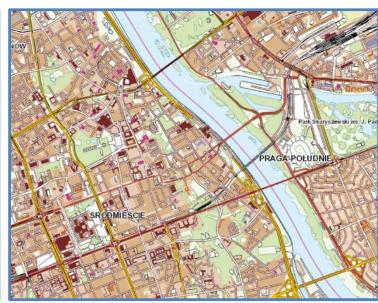


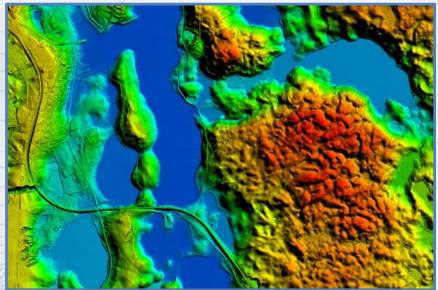
Open data









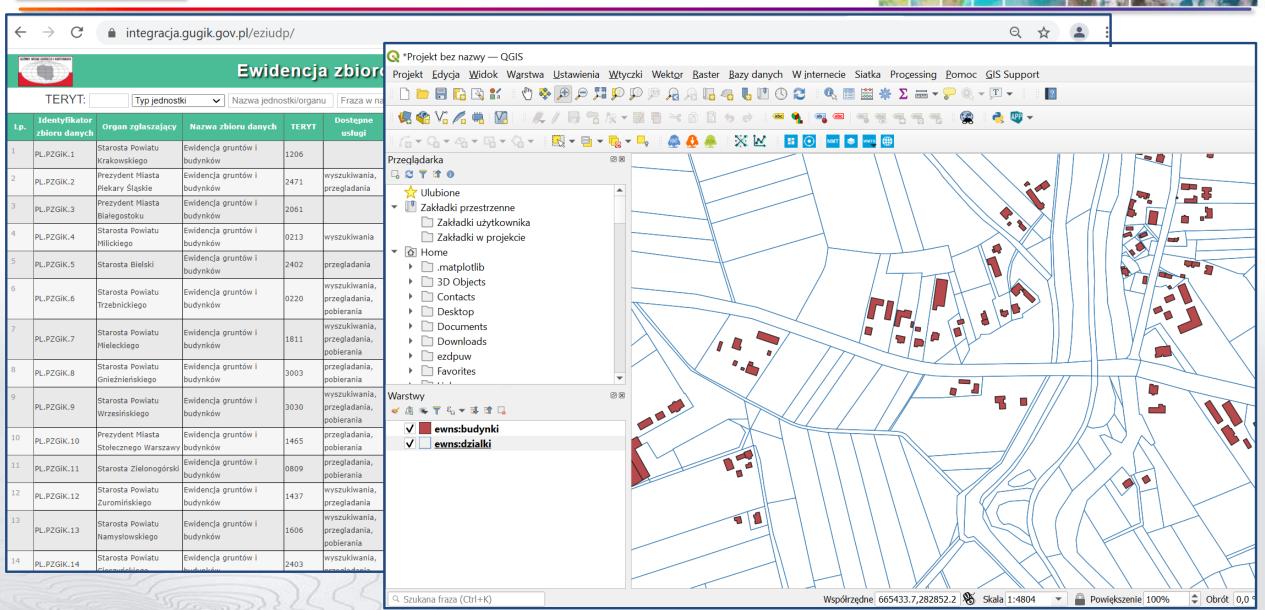






Easy access to data

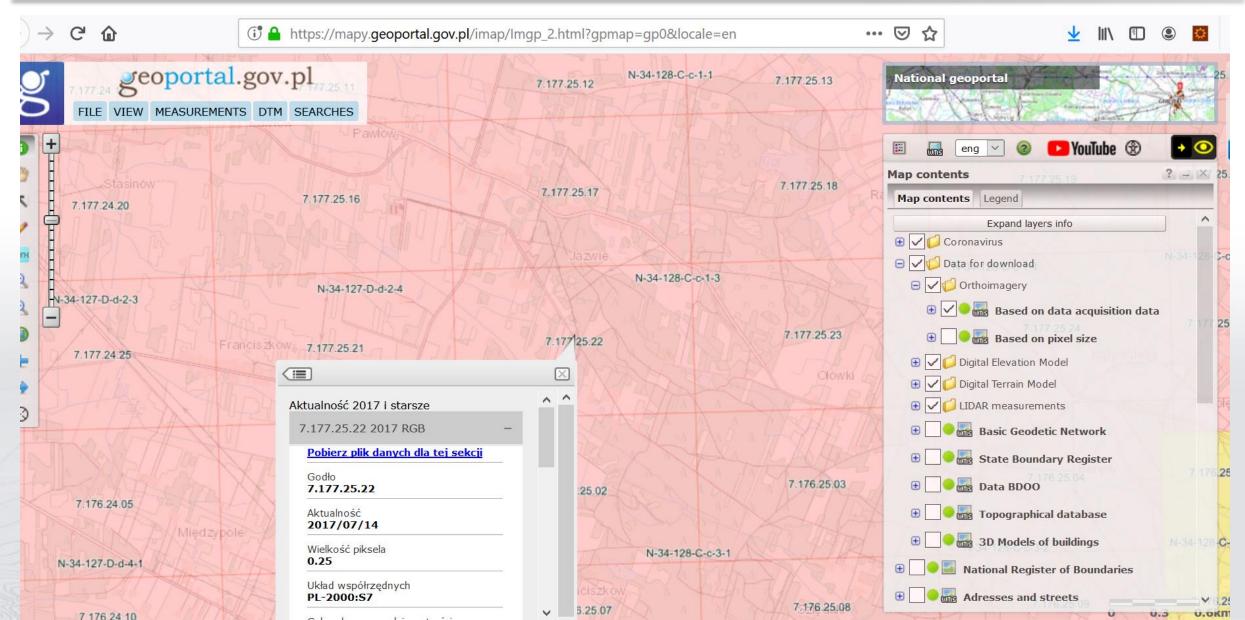






Easy access to data

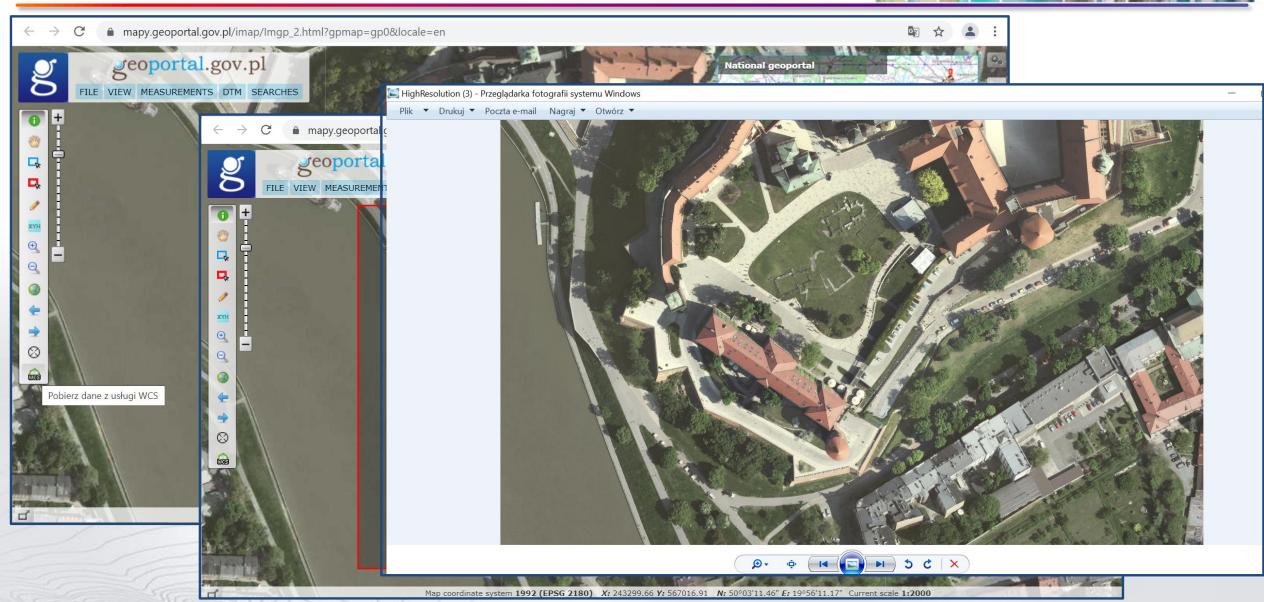






Easy access to data – WCS services

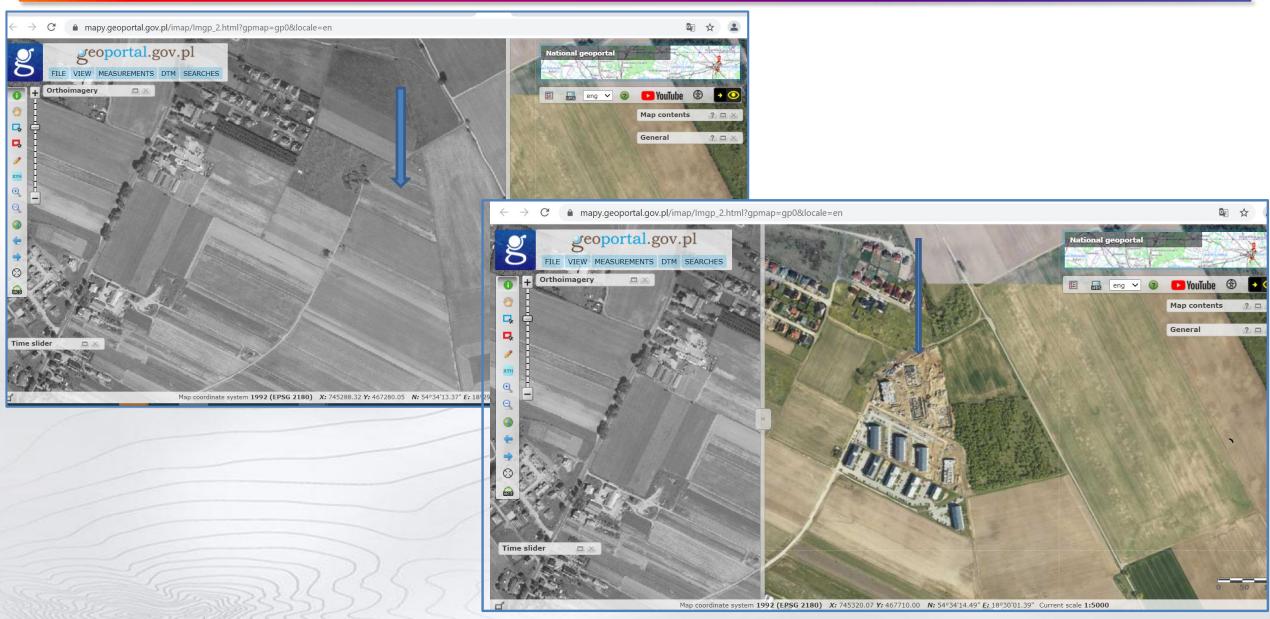






Orthoimagery – time slider







Trainings

Expert SDI

Capacity building – awarness raising campaign



INSPIRE

officers

asic

8

administration

Many online meeting and trainings sessions

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 **Trainings** • 1100 participants inings • 70 participants On-line training (5days/4h) Central administration INSPIRE Voivodship officers Marshal officers

County officers

Commune office

workers

The key is to teach the society to use SDI!

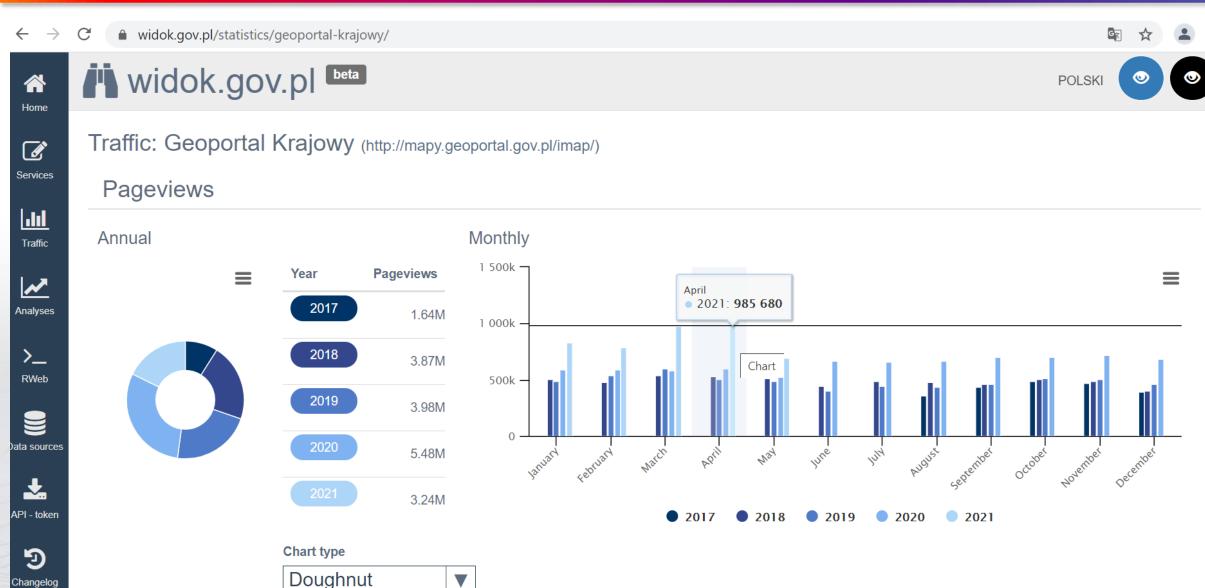
xpert



Changelog

Geoportal.gov.pl – visits







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



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Thank you for your attention!

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