

XXVII FIG CONGRESS

11–15 SEPTEMBER 2022 Warsaw, Poland Volunteering for the future – Geospatial excellence for a better living

The activities of GUGIK during the pandemic

Ewa Surma

Director of the Department of Strategy, International Cooperation and Public Information

Head Office of Geodesy and Cartography



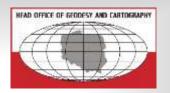






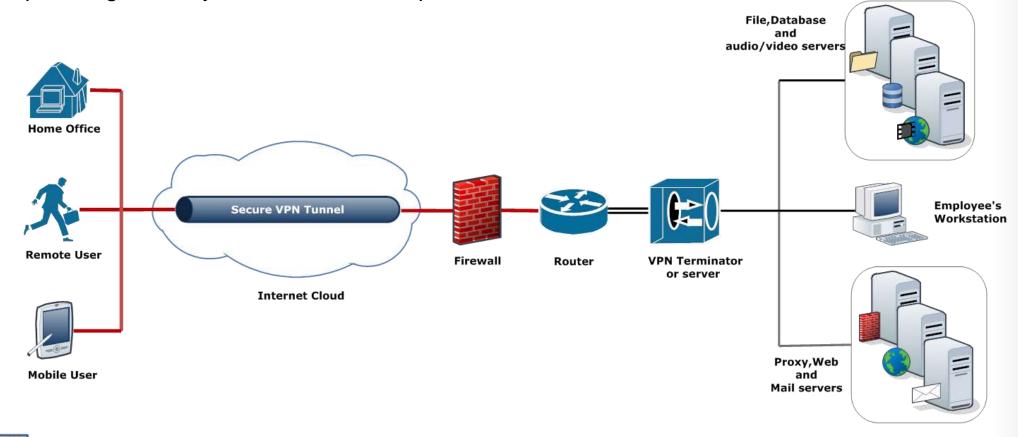


Working at GUGiK during the pandemic



Security

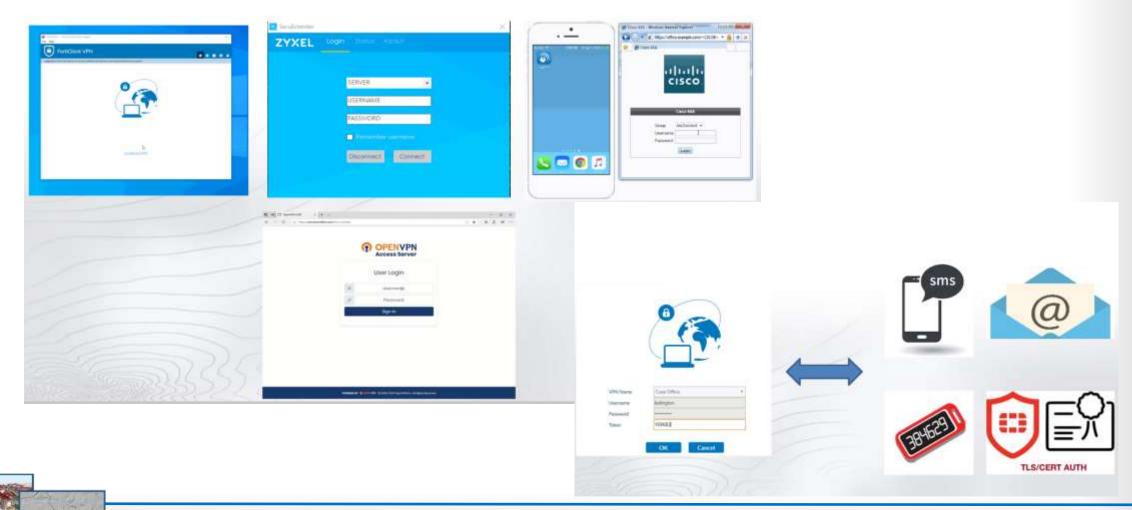
- preparation of infrastructure for remote work
- implementation of access policies
- assigning appropriate rights on systems, remote computers and network devices



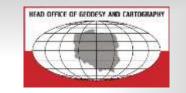
Hardware and software for VPN connections with suitably strong encryption algorithms or free solution e. g. OpenVPN



Secure encrypted communication method with resources in GUGiK



Legal activities in Polish geodesy



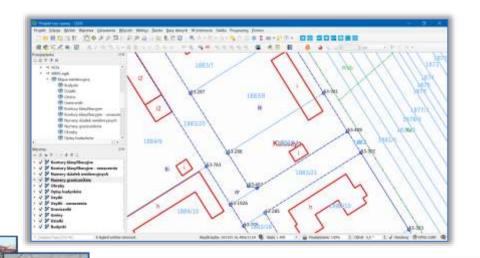
The amendment of the Geodetic and Cartographic Law and 14 regulations

Improvements for land surveyors and acceleration of investment and construction process in Poland.

According to our regulations only until 31 of December 2021 was allowed to produce paper documentation on land surveying works.

The most important is the introduction of web services as the primary forms of data publication (WMS) and its sharing (WFS).





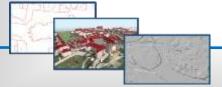


Improvements for land surveyors and acceleration of investment and construction process



The significant changes include:

- simplifying how data is shared,
- introduction of web services as the primary forms of data publication (WMS) and its sharing (WFS),
- simplifying the data models and database structures,
- removing GML (XML Schema Definition XSD) application schemes from the regulations and moving them to a separate repository,
- reduction of the amount of information stored in databases,
- reducing the number of buildings' types from over 170 to just 10

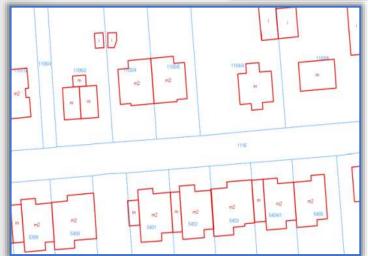


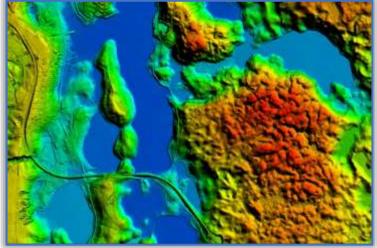
More open data













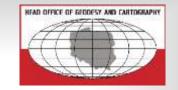


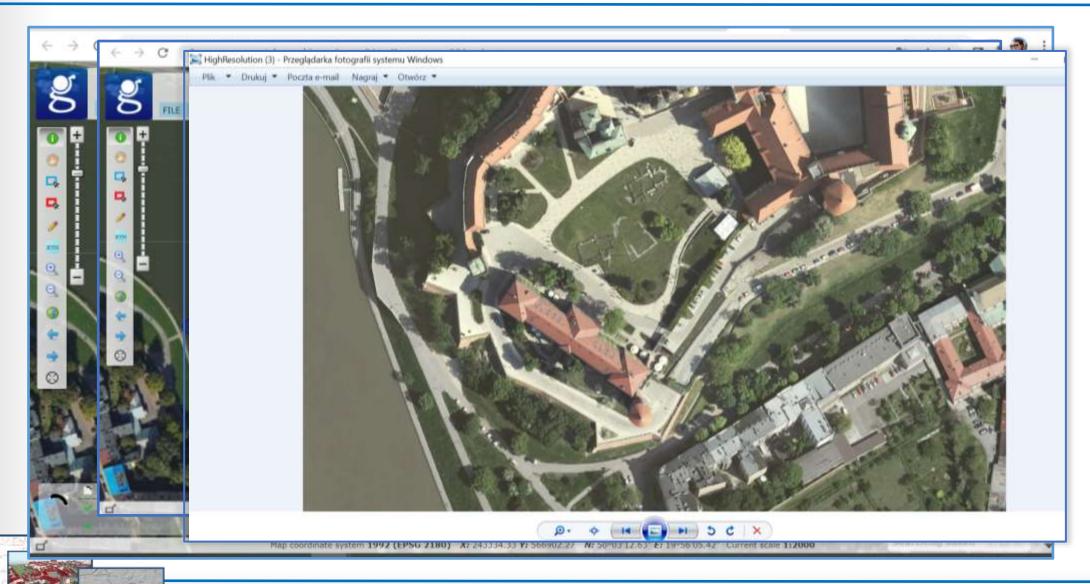
Easy acess to data - geoportal.gov.pl





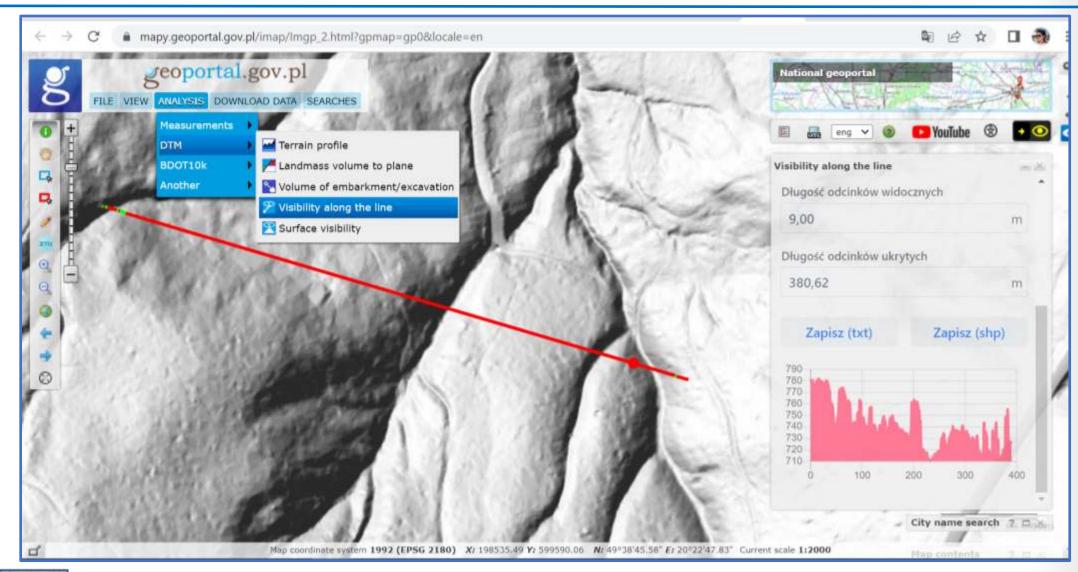
Easy access to data – example of WCS services



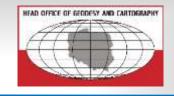


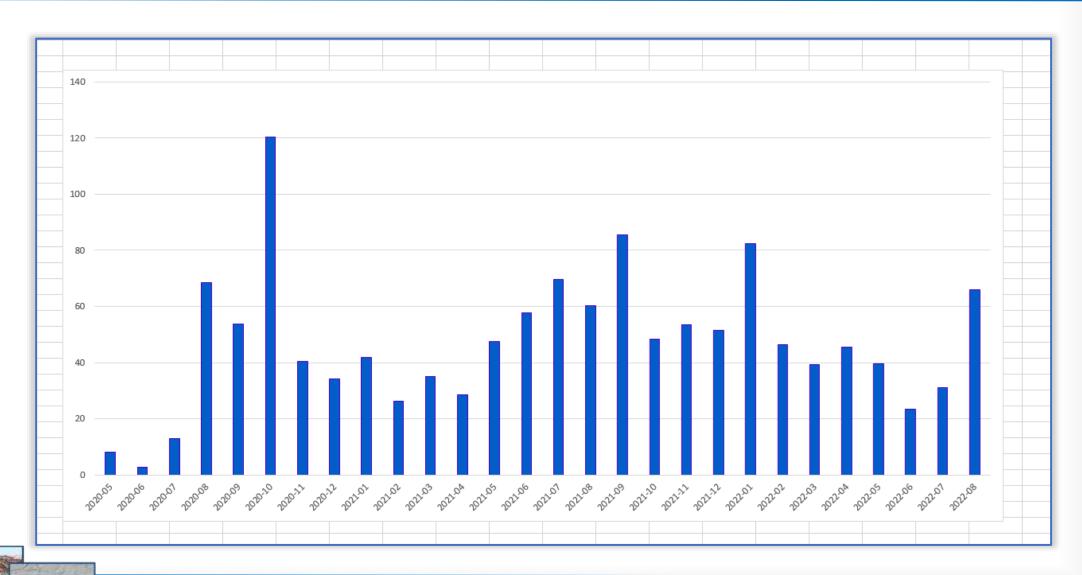
Easy access to ...analysis of data





Volume of downloaded data





Experience in trainnings projects - development of digital competence of e-administration



Expert SDI Trainings

Stage I: 2017 - 2018 => GUGiK in partnership with GRID (National Foundation for the Environmental Protection)

- 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

Expert SDI Trainings

- 900 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!

Twinning project for Moldova "Improving Spatial Data Services in the Republic of Moldova following EU standards"



The project is implemented by a consortium of Croatia, the Netherlands and Poland.

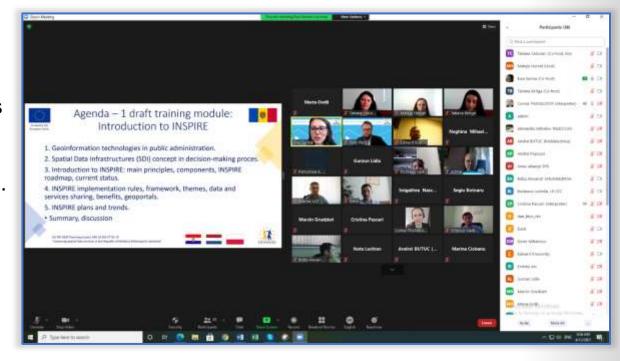
Two training sessions conducted remotely

GUGiK employees presented the basics of SDI and legislation in this area during trainings in both May and April.

Examples and practical solutions for web services were showed, vector and raster data, using the example of geoportal.gov.pl service. Participants also learned the basics of QGIS software.

More than 100 people from Moldova's public administration and private sector were trained.

The trainings were very popular, which was proved by high marks of trainers given by the participants.



More information in the afternoon

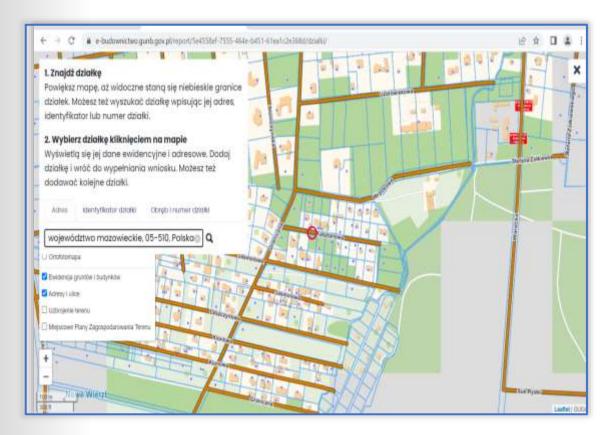
TS02A: Framework for Effective Land Administration – NMCA Good Practices and Further Developments Sanja Zekušić (Croatia) and Ewa Surma (Poland):

Example of Cooperation in EU Funded Project on Improving Spatial Data Services in the Republic of Moldova



Utilisation of GUGiK services in other portals





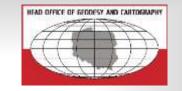
The services of GUGiK have been implemented to support the forms related to the construction process available on the website

https://e-budownictwo.gunb.gov.pl.

The scope of spatial data available in the construction portal has been greatly extended.

In addition to the land and building registry data, users can use address data, underground utilities local spatial development plans, topographical data and orthoimagery.

The best use of data and services

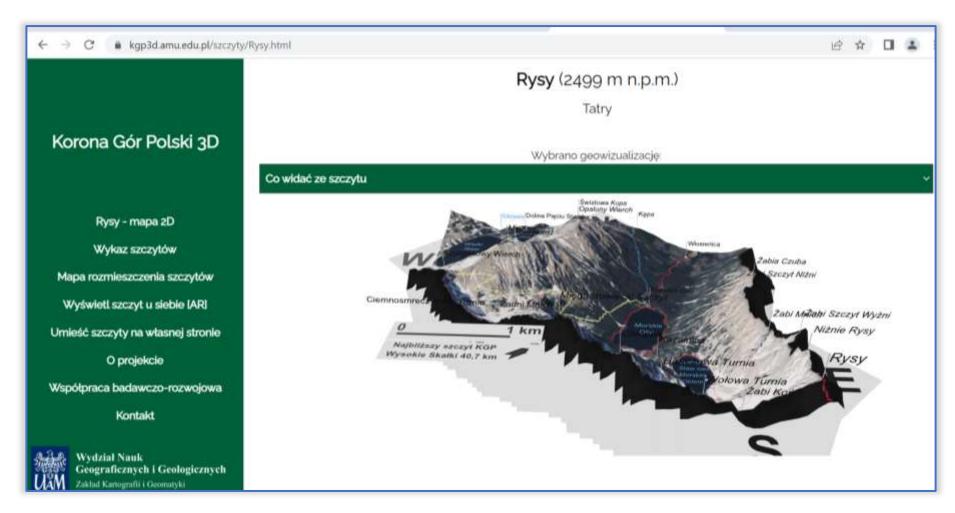






The best use of data and services











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Volunteering for the future – Geospatial excellence for a better living

Thank you for your attention

Kind invitation to technical tour to Head Office of Geodesy and Cartography, Department of Geodesy, Cartography and GIS on Tuesday, September 13th

https://www.fig2022.symposium.pl/tour/head-office-of-geodesy-and-cartography











