



Geoportal.gov.pl - INSPIREd Tool for e-Government

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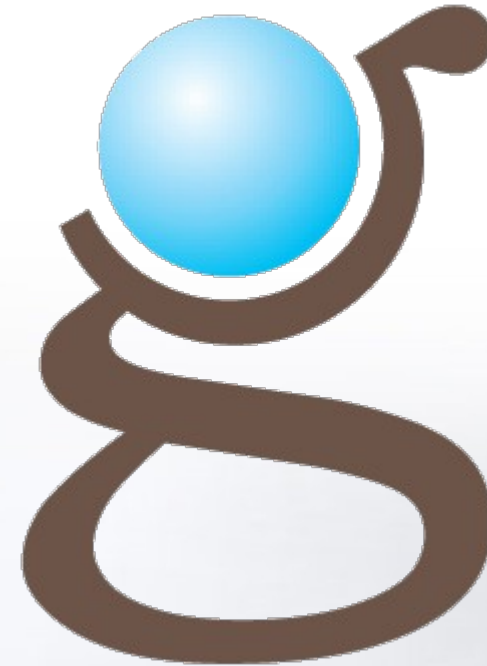
Marcin Grudzień



Agenda



1. Beginnings
2. Our main products
3. Plans for development
4. Summary



Starting point



- Neither public administration nor GUGiK was prepared to maintain large IT systems
- Low awareness regarding spatial data in public sector
- Need for spatial data web services not recognised among policy makers

On the other hand

- Skilled, committed and wanting to learn personnel
- Access to European Funds
- INSPIRE
 - as an obligation
 - as a vision
 - as a collection of standards
 - as a best practices



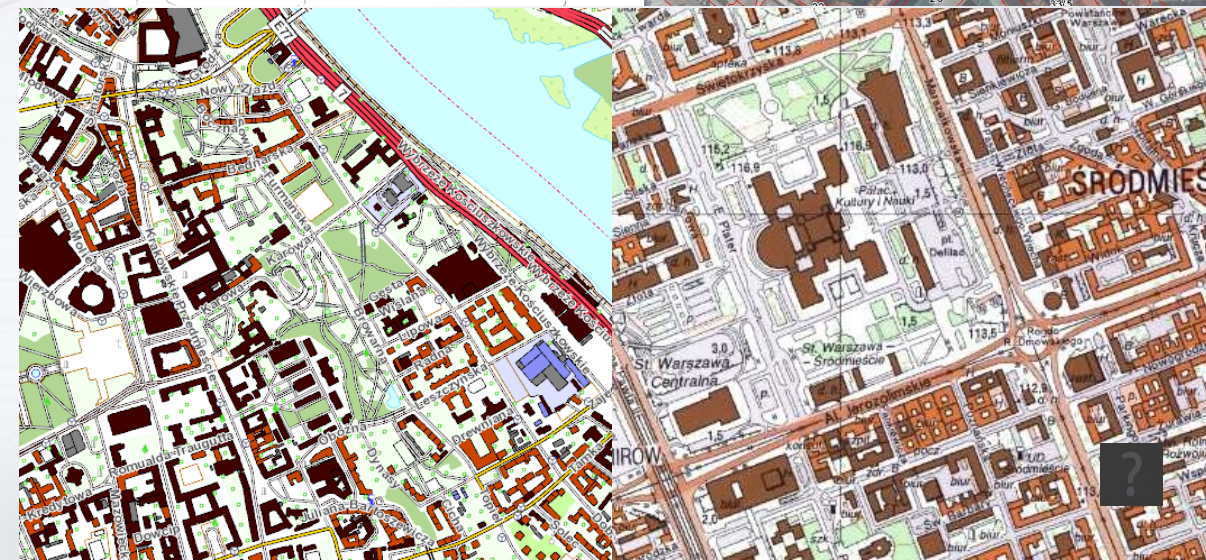


Main products

Published data



- General Geographic Database 250k – 4M
- Vector Map Level 2 (VMap2) 50k
- Topographic Database 10k
- Ortophotomaps 10cm – 25m
- Rasters of topographic maps 10k – 4M
- Rasters of thematic maps 50k
- Cadastral data (2 data sources) 500 – 5k
- State Boundary Register 500 – 5k
- Register of populated areas, streets and addresses
- State Register of Geographic Names 10k
- Register of geodetic network
- INSPIRE datasets 500 – 250k
- Metadata



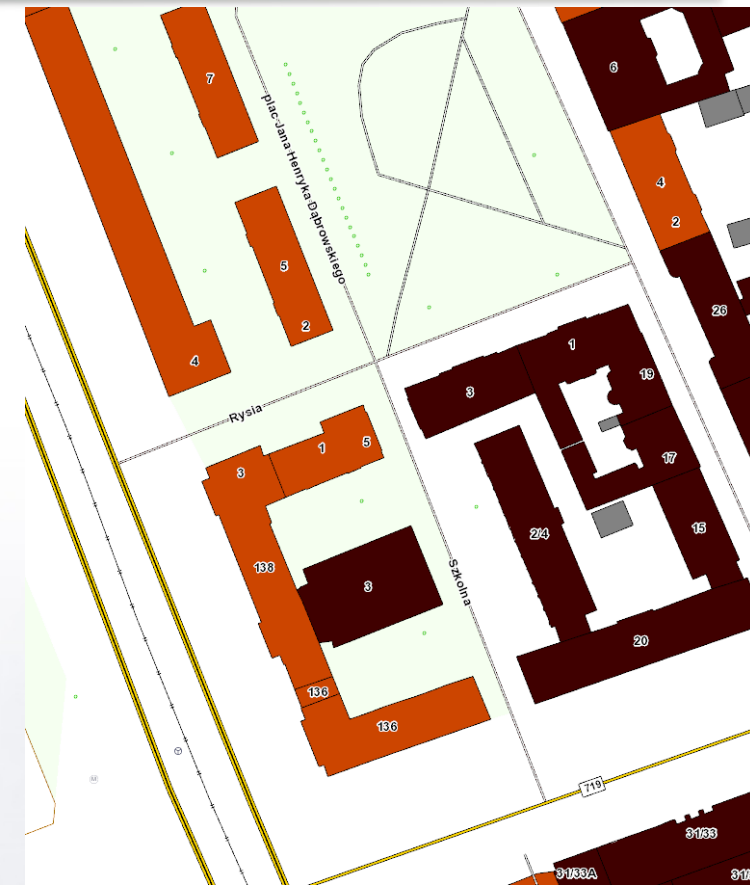


- **78 view services:** 61 WMS, 17 WMTS
 - including INSPIRE services: 6 WMS, 6 WMTS,
- **33 download services:** 18 WFS, 6 WCS, 9 ATOM
 - including INSPIRE services: 6 WFS, 5 ATOM,
- **2 discovery services:**
 - Including one INSPIRE discovery service,
- Other services: REST, metadata validation, OpenLS, etc.
- **coordinate transformation service: 1 WCTS**
- **110 external services connected to Geoportal:**
 - 94 WMS services and 16 CSW services.

Addresses download services



- Direct link on the website <http://www.codgik.gov.pl/index.php/darmowe-dane/prg.html>
- ATOM service
 - National http://mapy.geoportal.gov.pl/wss/service/ATOM/httpauth/atom/CODGIK_PRG
 - INSPIRE
<http://mapy.geoportal.gov.pl/wss/service/ATOM/httpauth/atom/NazwyGeograficzne>
- Web Feature Service (WFS)
 - National
<http://mapy.geoportal.gov.pl/wss/service/PZGIKINSP/httpauth/rest/services/PZGIK/PRGAD/GeoDataServer/exts/InspireFeatureDownload/service>
 - INSPIRE
http://mapy.geoportal.gov.pl/wss/service/INSPIREG2/httpauth/rest/services/INSPIRE/INSPIRE_AD/GeoDataServer/exts/InspireFeatureDownload/service
- OpenLS <http://mapy.geoportal.gov.pl/openLSgp/geocode>
- SOAP dictionary service –flat data model
 - Online <http://mapy.geoportal.gov.pl/wss/service/SLN/guest/slowniki?wsdl>
 - Offline <http://mapy.geoportal.gov.pl/wss/service/SLNOFF/guest/slowniki-offline?wsdl>

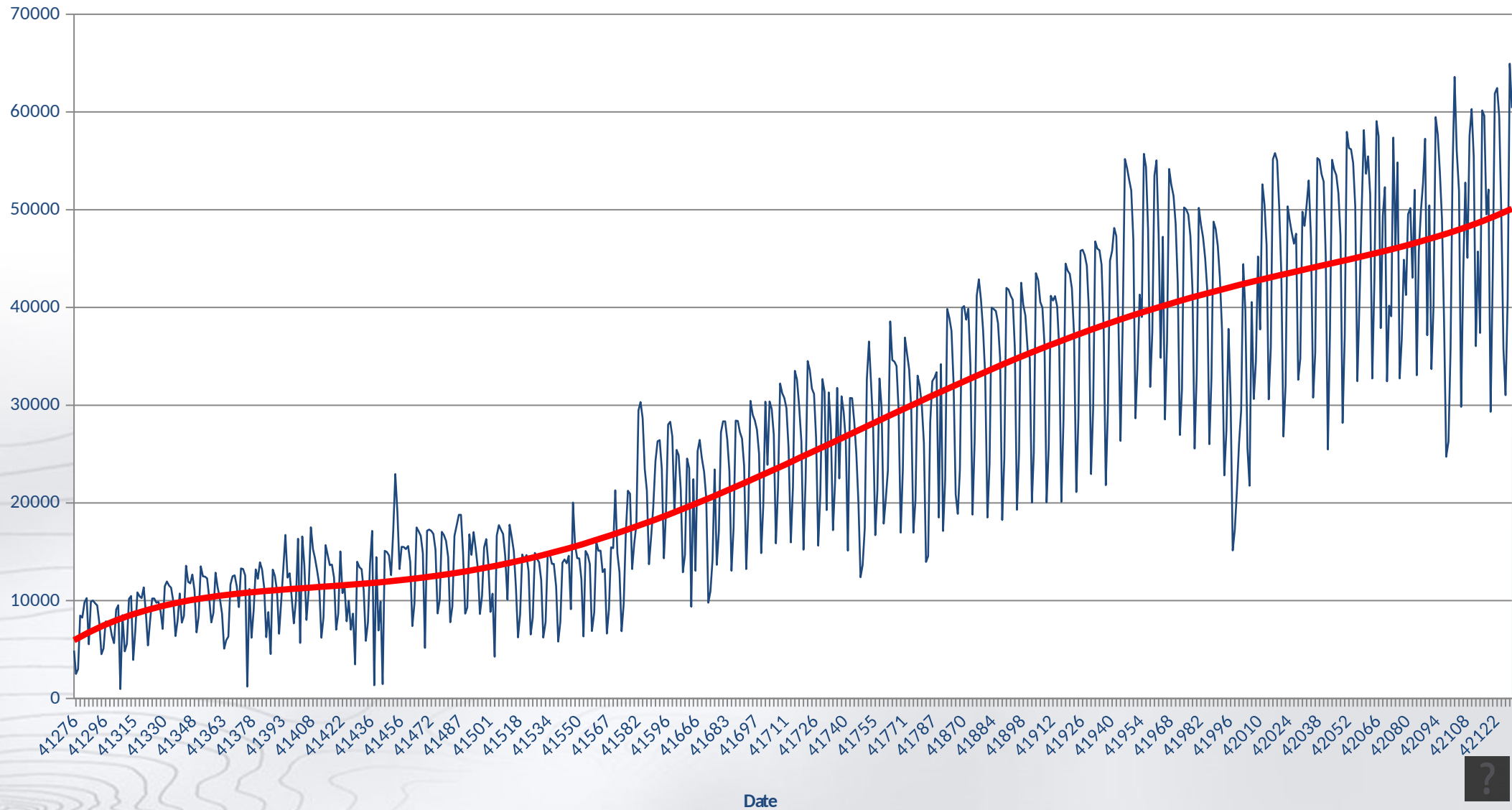


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<?xml version="1.2" xmlns:xls="http://www.opengis.net/xls"
xmlns:gugik_ols="http://www.geoportal.gov.pl/schema/ols"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<xls:RequestHeader/>
<xls:Request methodName="GeocodeRequest" version="1.0.0" requestID="ID_1">
<gugik_ols:GeocodeRequest>
<gugik_ols:AddressPoint countryCode="PL">
<xls:StreetAddress>
<xls:Street>Puławska 10</xls:Street>
</xls:StreetAddress>
<xls:Place type="Municipality">Piaseczno</xls:Place>
</gugik_ols:AddressPoint>
</gugik_ols:GeocodeRequest>
</xls:Request>
</xls:XLS>
```

Number of users



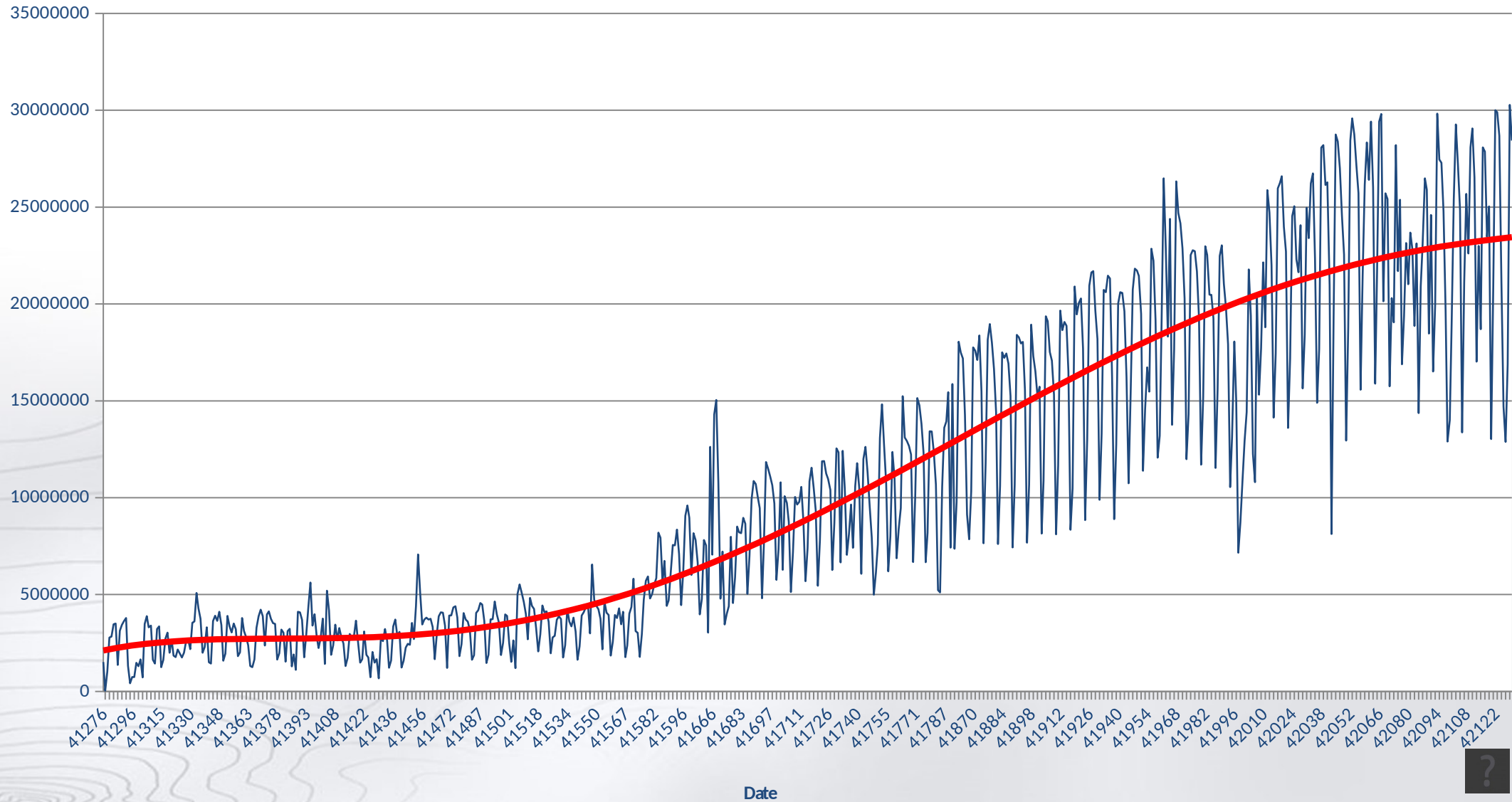
Number of unique IPs per day



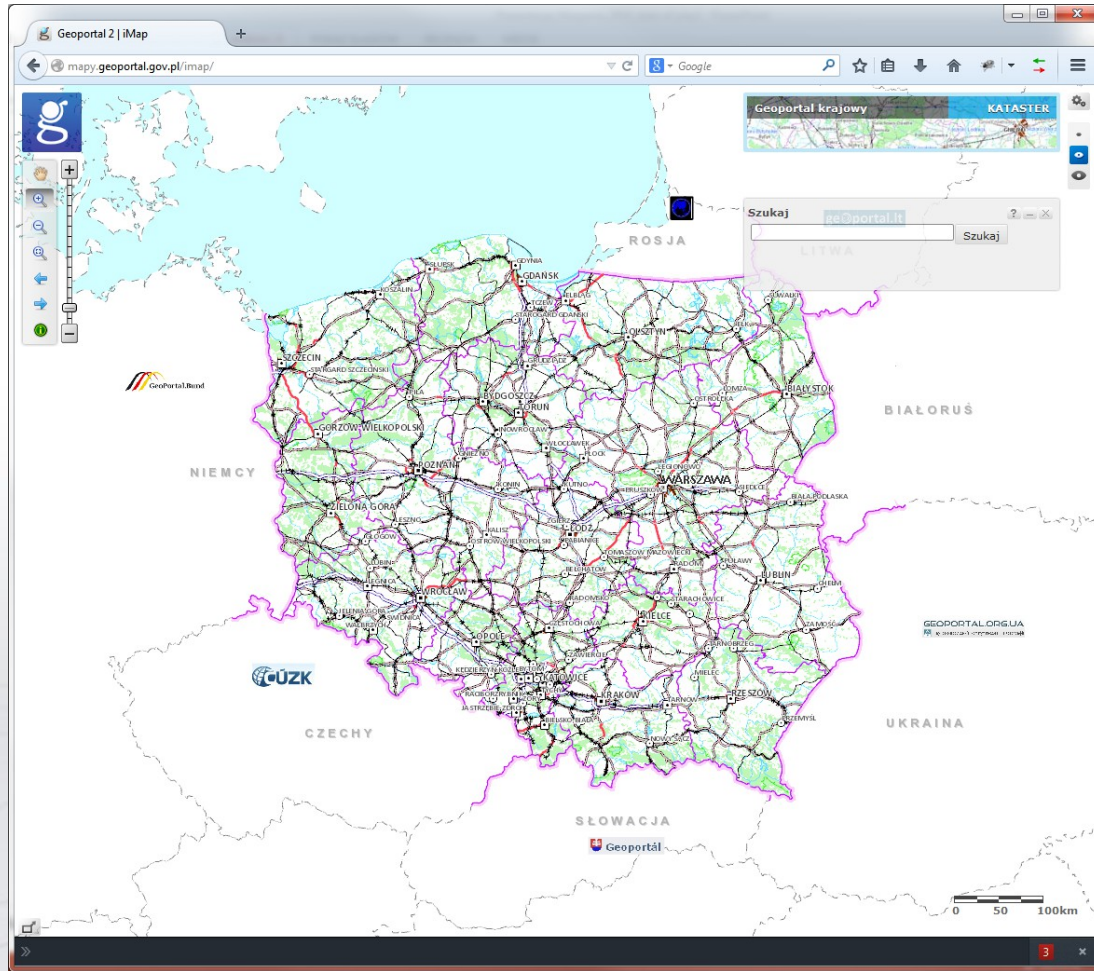
Number of requests



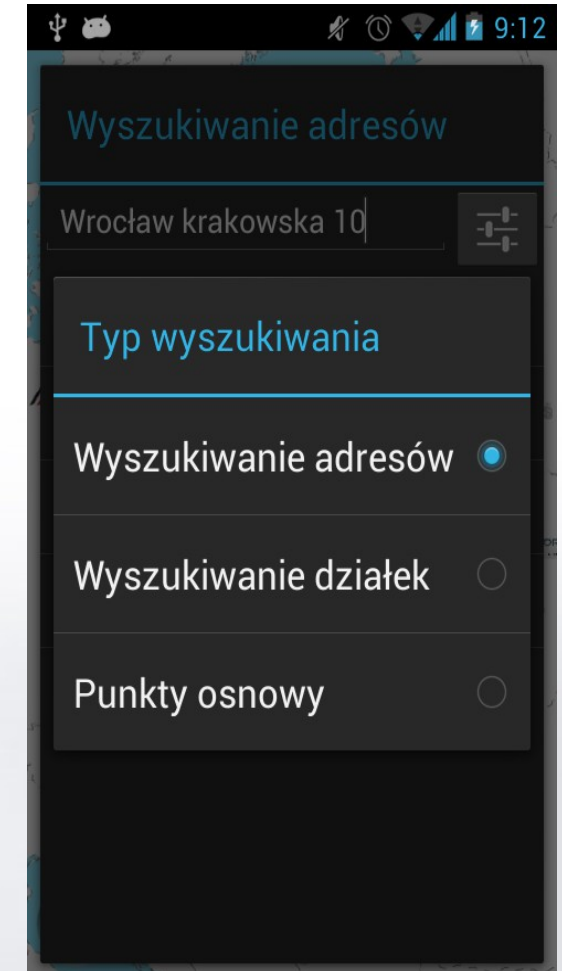
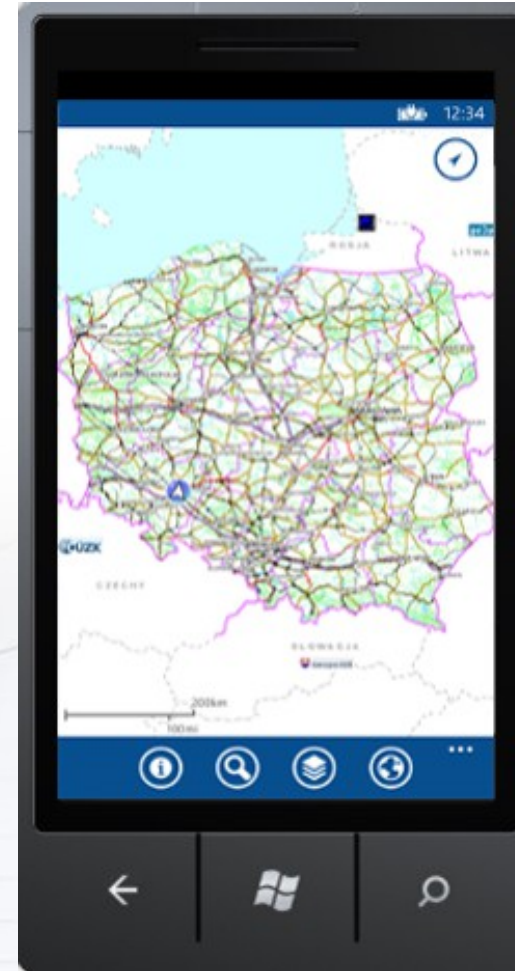
Number of requests per day



Main applications



Desktop computer application



Mobile applications
(Android, IOS, WindowsPhone)

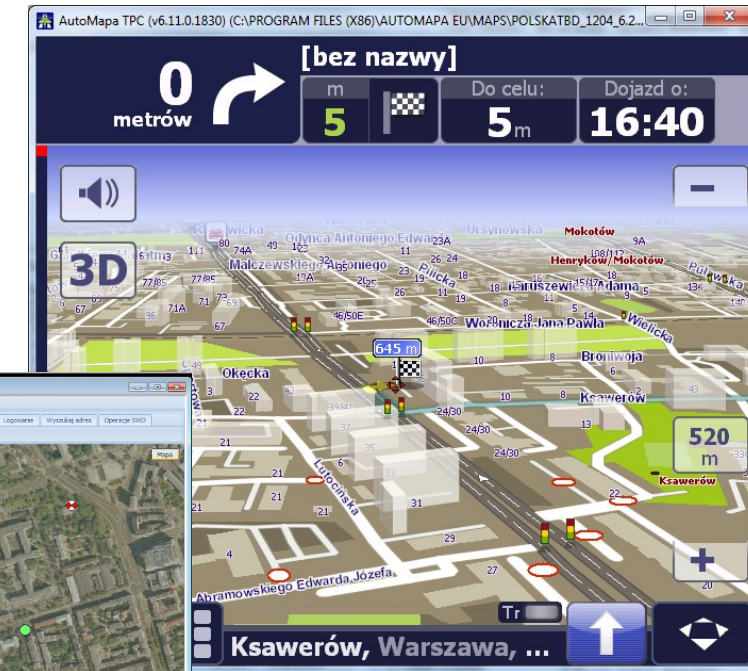
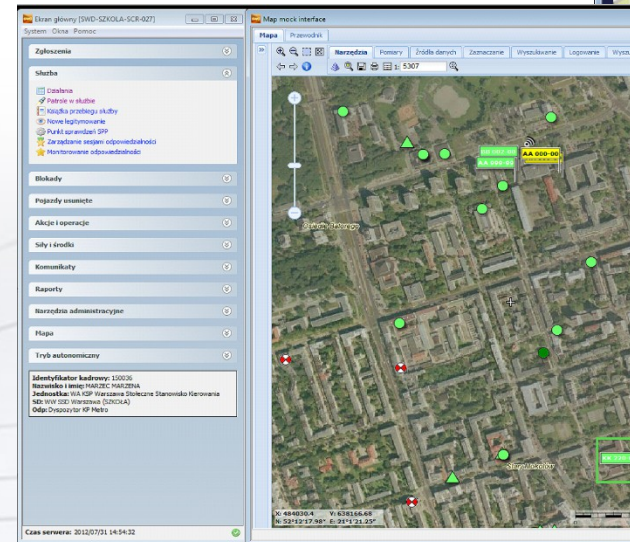


Universal Map Module (UMM)



Universal Map Module

- Universal map component enhancing **Command Support System (CSS)** of Polish emergency services
- **One solution for all emergency services**
- Integrated with **Command Support Systems (CSS)** in order to deliver „spatial” functionality
- Delivering **State Geodetic and Cartographic Data** in order to support **business processes** of emergency services
- Implemented in:
 - Police
 - Regional Emergency Centres (112)
 - Fire Service
 - Ambulance Service





Plans

CAPAP survey



70% respondents uses spatial data

42% of the rest point out a lack of skills as a main problem in spatial data use

66% have spatial data

88% data owners provides this data to others by electronic means

33% data owners creates metadata

81% respondents point out currency of data as a main problem

52% indicate problems with inaccuracy of geometry

80% respondents need support to obtain the data from other organisations

43% respondents declares a need for support in improving data quality of their datasets

Planned CAPAP services



Data publication service

INSPIRE data publication service

OpenLS geocoding service

Metadata management service

Error reporting service for geodetic and cartographic data

Spatial analysis service

Data quality improvement service for external data owner

E-learning service

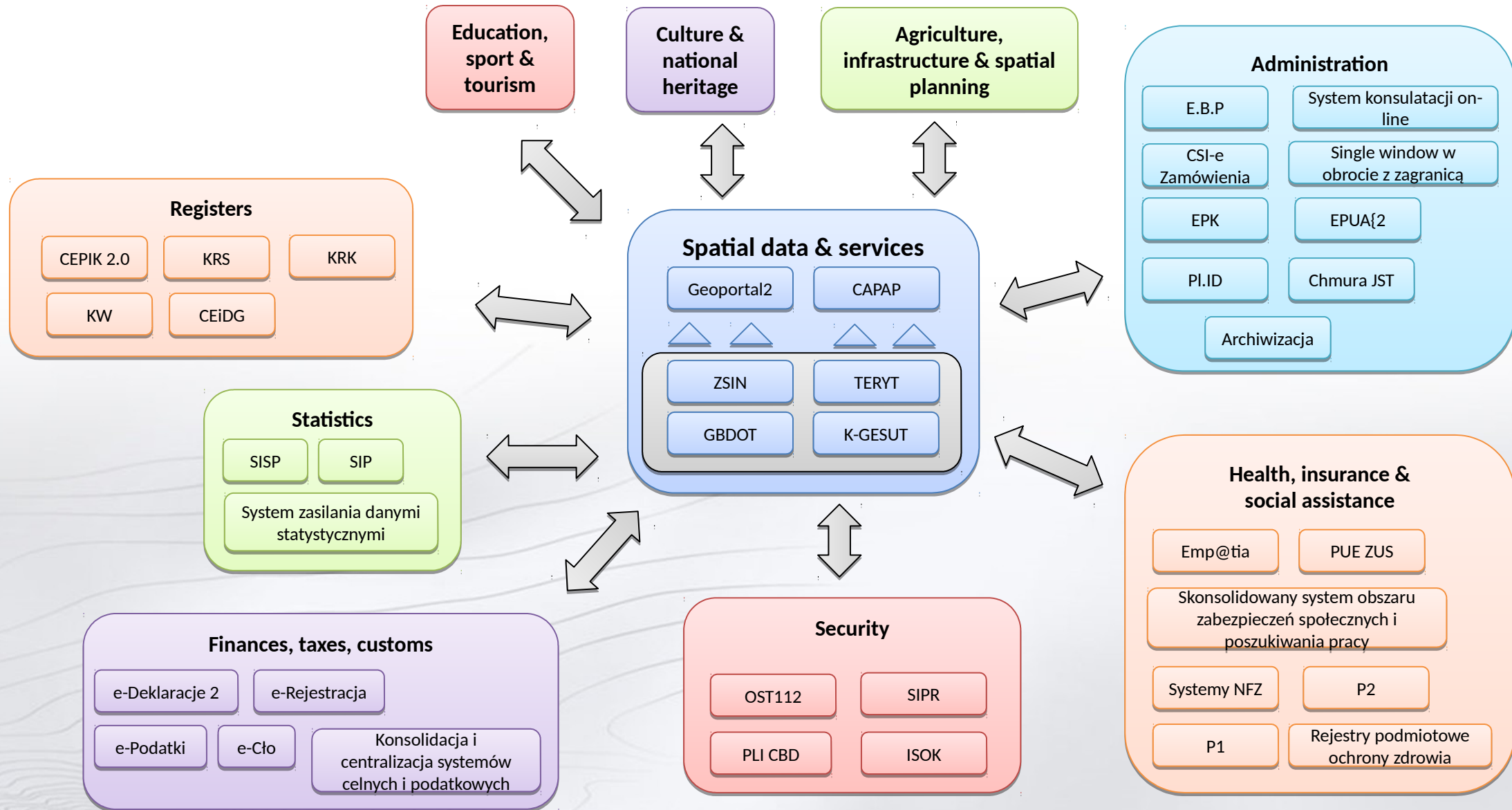
85% respondents wants to take part in CAPAP*

Upgraded/updated service

New/planned service



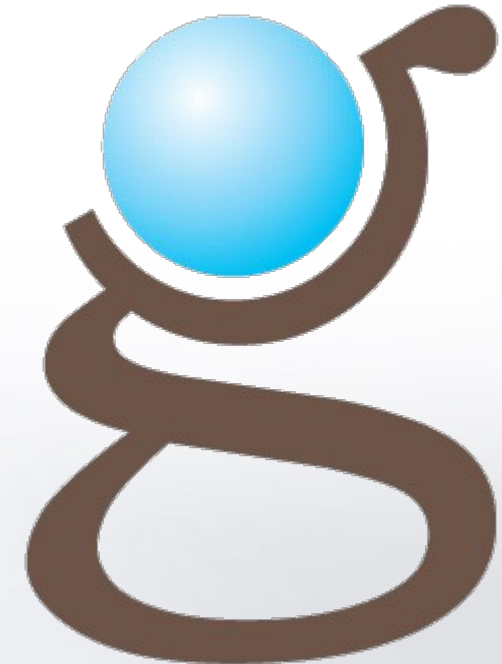
Vision of spatial data e-services for e-Government



Summary



- Spatial data web services are widely recognized, appreciated and used
- However, there is still a room for improvement
- There is a clear demand for digital public services providing
 - spatial data
 - analysis functionality
- Data quality is still an issue
- INSPIRE as a very good framework and best practices for creation of e-Government digital spatial public services
- European money are very handy





Thank you for your attention

Questions?

www.geoportal.gov.pl

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