UNITED NATIONS SECRETARIAT
Department of Economic and Social Affairs
Statistics Division

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United Nations Expert Group on the Integration of Statistical and Geospatial Information
First Meeting
New York, 30 October - 1 November 2013

Agenda: Item 10

Poland - systematic linking data [1]

Prepared by Poland

[1] This document is being produced without formal editing

Poland - systematic linking data

UNGGIM – Expert Group on linikg staistical and spatial information

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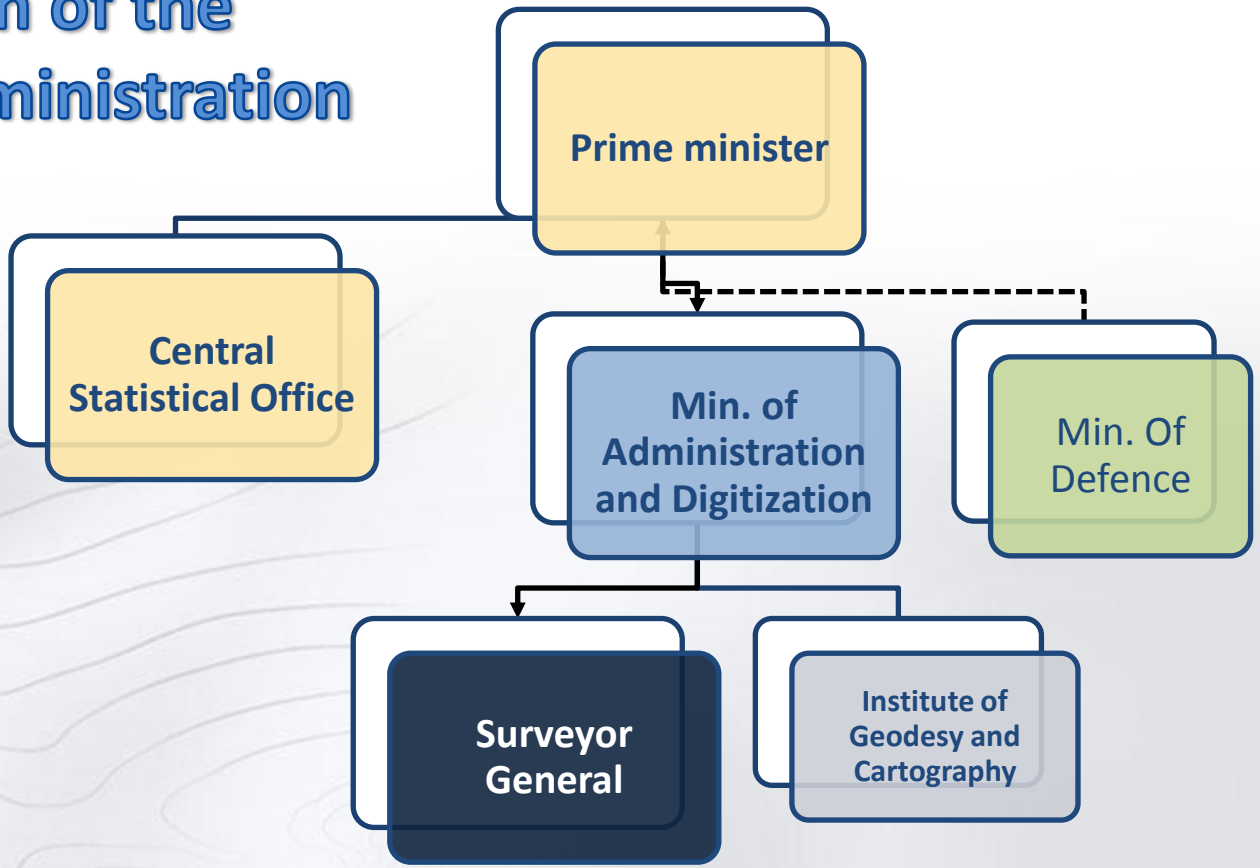
Surveyor General of Poland

central organ of the government administration



Geodetic Service in Poland

- geodetic, gravimetric, and magnetic networks
- geographical names (more than 130 000)
- borders and areas of the units of the territorial division
- land and buildings (real property cadastre) with real estate prices and values
- geodetic register of utilities networks
- basic map for areas of towns and cities, compact settlements and areas meant for development in rural areas
- towns/villages, streets, and addresses
- digtal terrain and elevation model (mostly form laser scanning)
- orthophotomaps
- topographical database (10 000 – 100 000 scale)
- general topographical database (250 000 – 1 000 000 scale)

- METADATA for all data/registers and services related to them

Investment in data

Geoportal 2
40 M USD

GBDOT Georeference Database of Topographic Objects
57 M USD

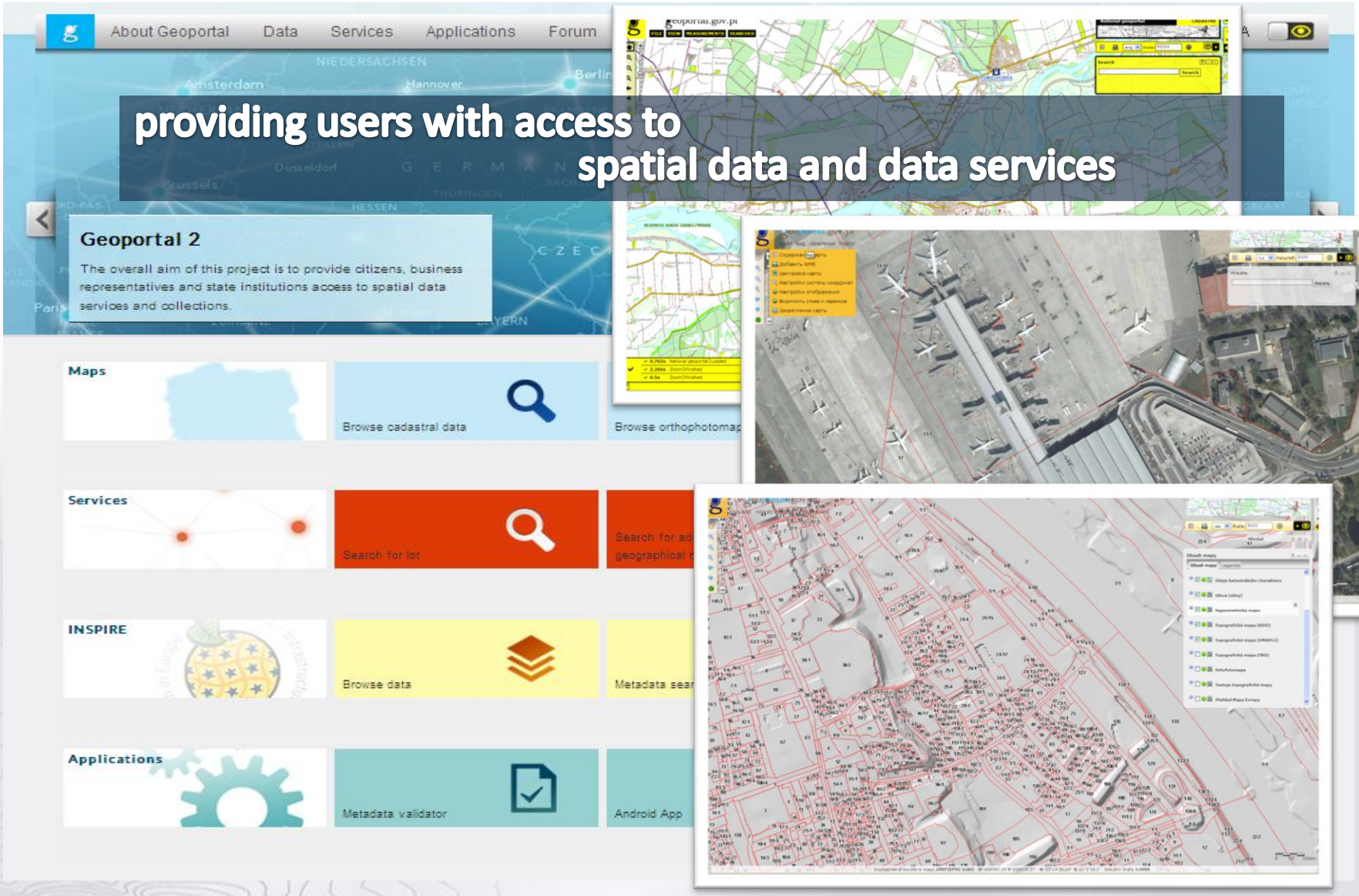
TERYT 2 – state registry of borders and surface of units of territorial divisions
15 M USD

TERYT 3
9 M USD

ISOK - IT System for Country Protection against extreme hazards
43 M USD

Integrated System for Real Estate Information
22 M USD

E-access


About Geoportal
Data
Services
Applications
Forum
providing users with access to
spatial data and data services
Geoportal 2
The overall aim of this project is to provide citizens, business representatives and state institutions access to spatial data services and collections.
Maps
Browse cadastral data
Browse orthophotomap
Services
Search for loc
INSPIRE
Browse data
Applications
Metadata validator
Android App

GUGiK INSPIRE'd

INSPIRE transposed by the legal act on Spatial Information Infrastructure on 4th of March 2010

- separate SII Act together with the amendments of some related acts and regulations concerning the spatial data resources already existing in Polish legislation

- **13 new regulations to Geodetic Law**

GUGiK INSPIRE'd

Executory enactments (implementing rules) to the geodetic and cartographic law - 13 enactments concerning the state geodetic and cartographic resources

Implementing rules assume:

- **official reference character of geodetic and cartographic registers**
- **harmonization of the collections of state resource**
- **integration**
- **interoperability**

XML

GML

Spatial Information Infrastructure

Every theme is assigned to leading body which coordinates works and assures realization of SII Act within a scope of these theme

Minister of Administration and Digitalization

Council for Spatial Information Infrastructure

Surveyor General coordinator of SII

Leading body for INSPIRE themes

- Surveyor General of Poland (15),
- Minister of environment (5),
- Chief Geologist of Poland (3),
- Minister of construction (2),
- Chief Nature Conservator(2),
- President of the Central Statistical Office (2),
- Minister of agricukture(1),
- Minister of health (1),
- Chief Inspector of Environmental Protection(1)
- President of the National Board for Water Management(1)

- Statistical units
- Population distribution — demography

Legal framework for data access

- National
  - Law on digitization of activities of public enteties
    - Regulation on Interoperability framework
  - Law on Spatial Information Infrastructure
  - Geodetic and Cartographic Law
  - Law on access to public information
  - Other acts of law describing specific cases
- European
  - Directive 2007/2/EC – establishing infrastructure of spatial information in Europe
  - Directive 2003/98/EC on the re-use of public sector information

Linking Data

Geospatial data and services follow standards defined in legal regulations (EU – Inspire specifications and national)

Geo-coding – for relevant datasets (boundaries, addresses) performed during collection of data

- TERYT identifier
- X,Y coordinates
- SDI identifier

TERYT

TERYT register contains systems of:

- identifiers names of units of territorial division
- statistical regions and census enumeration areas
- **identifiers and names of municipalities**
- **real estates, buildings and dwellings**
- **identification of addresses of streets**

TERYT register identifiers:

- **are a binding territorial identification standard for agencies running official registers and information systems of public administration,**
- **are used in other records, registers and systems regarding territorial units and enable integration of data gathered in these systems**

Scope of the registers

Registers	Spatial odject	SDI Identifier	Identifier TERYT
PRG	boundaries (more than 30 types)	+	TERC, BREC
	Address (with x,y and postal codes)	+	TERC, SIMC, NOBC
EMUiA	Town, village	+	TERC, SIMC
	street	+	ULIC
	address	+	TERC, SIMC, NOBC
TERYT	-	-	TERC, BREC, NOBC, SIMC, ULIC

BERC – statistical division, NOBC – identification for addresses, dwellings, premises, SIMC – municipalities, TERC – administrative division, ULIC – streets

Model for data exchange

Register of Land and Buildings

Database of Topographic Objects

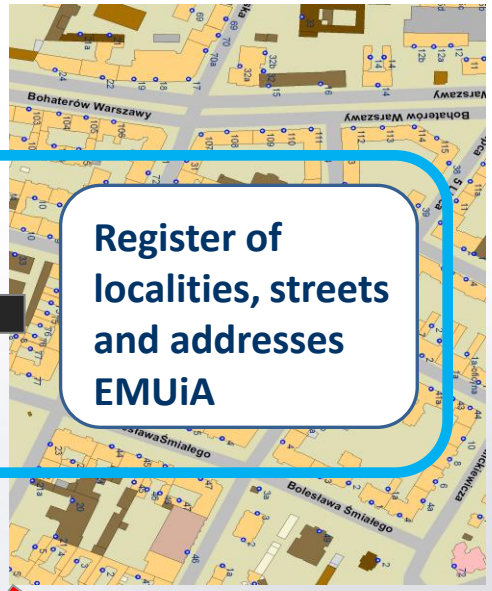
Register of Geographical Names

Register of Teritorial Division of the Country Cent. Stats Off.

Other divisions

National Register of Boundaries (PRG)

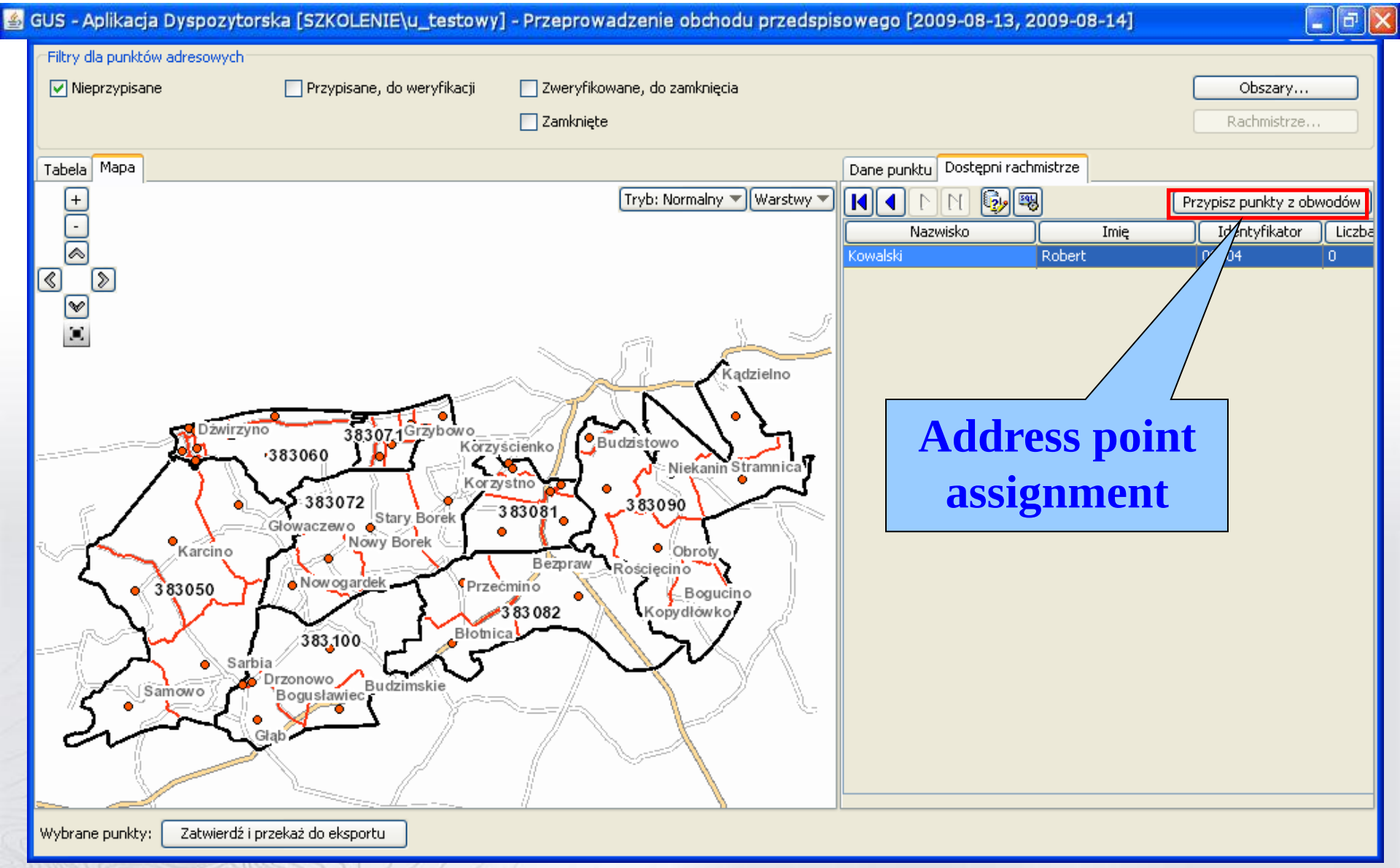
Register of localities, streets and addresses EMUiA

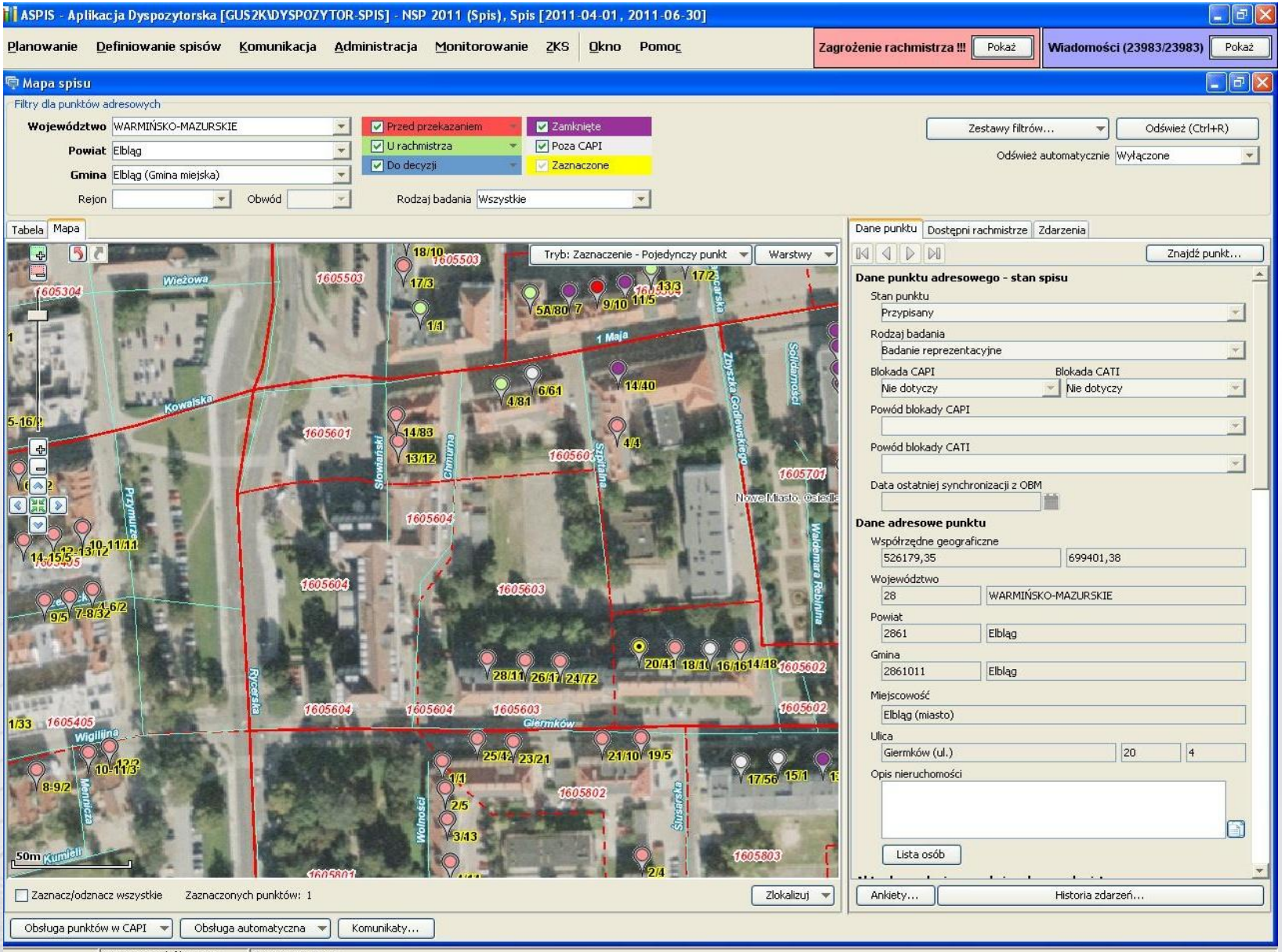


Institutional Users Statistical Office

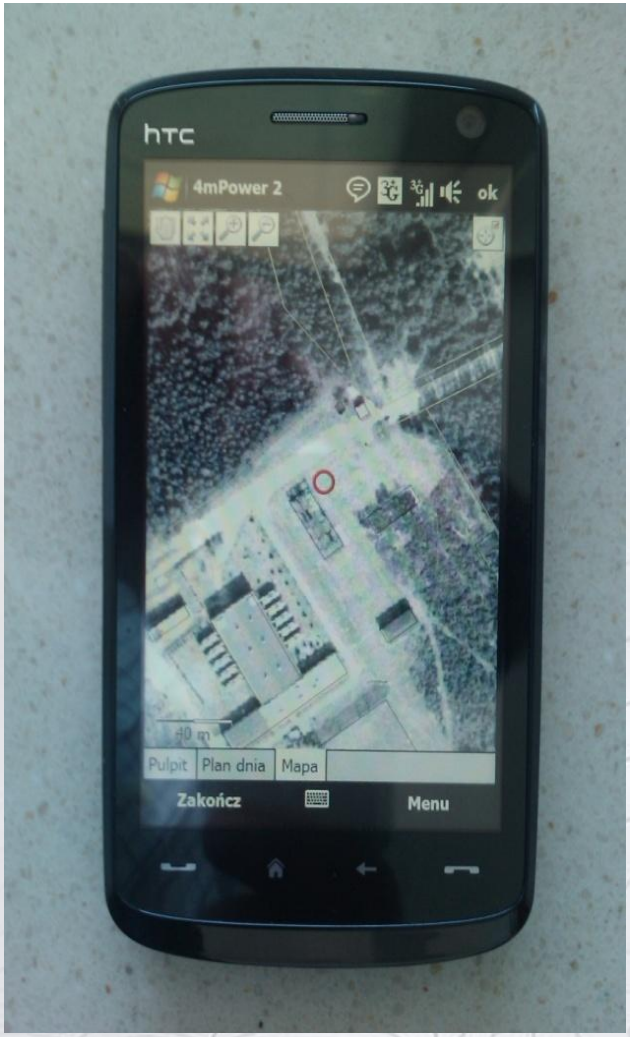
geoportal

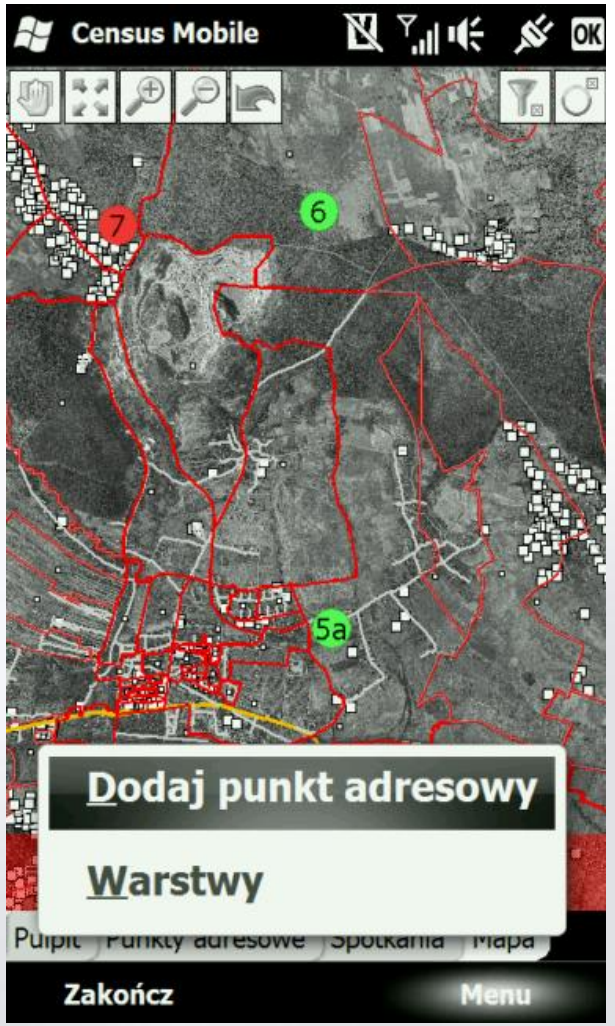
Users


GUS - Aplikacja Dyspozytorska [SZKOLENIE\u_testowy] - Przeprowadzenie obchodu przedspisowego [2009-08-13, 2009-08-14]
Filtry dla punktów adresowych
Nieprzypisane
Przypisane, do weryfikacji
Zweryfikowane, do zamknięcia
Zamknięte
Obszary...
Rachmistrze...
Tabela
Mapa
Tryb: Normalny
Warstwy
Dane punktu
Dostępni rachmistrze
Przypisz punkty z obwodów
Nazwisko
Imię
Identyfikator
Liczba
Kowalski
Robert
0
0
Address point assignment
Wybrane punkty:
Zatwierdź i przekaż do eksportu
Dźwirzyno
383071
Grzybowo
383060
Korzyścienko
Budzistowo
Kądzielno
Niekanin Stramnica
Korzystno
383072
383081
383090
Głowaczewo
Stary Borek
Nowy Borek
Karcino
Obroty
Bezpraw
Rościęcino
383050
Nowogardek
Przecmino
Bogucino
383082
Kopydłówko
Błotnica
383100
Sarbia
Drzonowo
Budzimskie
Samowo
Bogusławiec
Głąb


ASPIS - Aplikacja Dyspozytorska [GUS2K\DYSPOZYTOR-SPIS] - NSP 2011 (Spis), Spis [2011-04-01, 2011-06-30]
Planowanie
Definiowanie spisów
Komunikacja
Administracja
Monitorowanie
ZKS
Okno
Pomoc
Zagrożenie rachmistrza !!!
Pokaż
Wiadomości (23983/23983)
Pokaż
Mapa spisu
Filtry dla punktów adresowych
Województwo WARMIŃSKO-MAZURSKIE
Powiat Elbląg
Gmina Elbląg (Gmina miejska)
Rejon
Obwód
Przed przekazaniem
U rachmistrza
Do decyzji
Zamknięte
Poza CAPI
Zaznaczone
Rodzaj badania Wszystkie
Zestawy filtrów...
Odśwież (Ctrl+R)
Odśwież automatycznie Wyłączone
Tabela
Mapa
Tryb: Zaznaczenie - Pojedynczy punkt
Warstwy
Dane punktu
Dostępni rachmistrze
Zdarzenia
Znajdź punkt...
Dane punktu adresowego - stan spisu
Stan punktu
Przypisany
Rodzaj badania
Badanie reprezentacyjne
Blokada CAPI
Nie dotyczy
Blokada CATI
Nie dotyczy
Powód blokady CAPI
Powód blokady CATI
Data ostatniej synchronizacji z OBM
Dane adresowe punktu
Współrzędne geograficzne
526179,35
699401,38
Województwo
28
WARMIŃSKO-MAZURSKIE
Powiat
2861
Elbląg
Gmina
2861011
Elbląg
Miejscowość
Elbląg (miasto)
Ulica
Giermków (ul.)
20
4
Opis nieruchomości
Lista osób
Ankiety...
Historia zdarzeń...
Zaznacz/odznacz wszystkie
Zaznaczonych punktów: 1
Zlokalizuj
Obsługa punktów w CAPI
Obsługa automatyczna
Komunikaty...
Dane niezmodyfikowane
Mapa spisu: Mapa
Wieżowa
Kowalska
1 Maja
Słowiański
Chmurna
Szpitalna
Zbyszka Godlewskiego
Solidarności
Waldemara Rebinina
Przymurze
Rycerska
Giermków
Wigilijna
Mennicza
Wolności
Ślusarska
Kumieli
50m

Enumerator application





Conclusions

- Will and awareness of needs and possibilities
- Legal framework
  - National (Laws, Regulations)
  - International (Directives, Decisions, Programs)
- Interoperability of data and systems
- Ability to use the potential – education, trainings, practical utilization
- Relation user/supplier between NMCA and STATISTICS?

Registers - data acquisition

Data Owners:

- Ministry of Finance,
- Ministry of Interior and Administration,
- Ministry of Justice,
- Agricultural Social Insurance Fund,
- National Health Fund,
- Agency for Restructuring and Modernisation of Agriculture,
- Agricultural and Food Quality Inspection,
- Agency for Geodesy and Cartography,
- State Fund for Rehabilitation of Disabled Persons,
- County Offices,
- Commune Offices,
- Regional Offices,
- Telcoms,
- Energy Suppliers,
- Office For Foreigners,
- Social Insurance Institution,
- Housing Managers,

GŁÓWNY URZĄD GEODEZJI I KARTOGRAFII

Thank You

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