



# **Detailed Geological Map of Poland 1:50 000...**

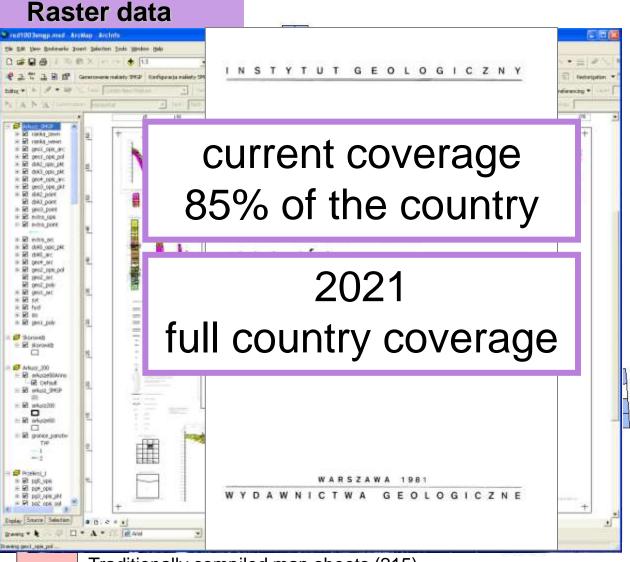
- Flagship product of the Polish geological cartography
- 1069 map sheets in the whole edition
- The whole country mapped (1:25 000)
- More than 2500 researchers involved
- Published by the PGI since 1954
- Combined information from: fieldwork of mapping, exploratory drillings, geophysical surveys, laboratory studies and archival results of geological researches
- Fundamental data for thematic maps (geological, hydrogeological, environmental)
- Unified constructure procedures defined in the Instruction

...on the Web
- Presentation
Structure

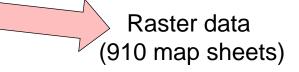
Raster data
Vector data
Access to data
Challenges

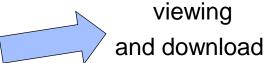
Polish Geological Institute National Research Institute

### **Detailed Geological Map of Poland 1:50 000**

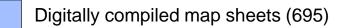


on the Web





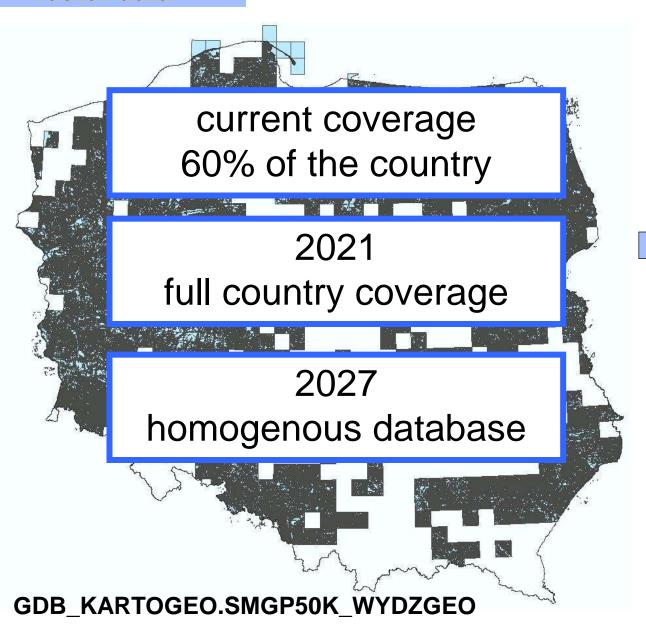
Traditionally compiled map sheets (215)





## **Detailed Geological Map of Poland 1:50 000**

#### **Vector data**



on the Web

Vector data
(GIS database
including
670 map sheets)
viewing



www.pgi.gov.pl

hand and mechanical probes, excavations, natu

currently 244 000 research sites in the database

2021 440 000 research sites in the database

research sites

Research materials: DGMP, Wyszków (451), M. Kucharska, K. Pochocka-Szwarc, PGI-NRI

GDB\_KARTOGEO.SMGP50K\_PKT\_DOK

Access to data

http://baza.pgi.gov.pl/





# DETAILED GEOLOGICAL INFORMATION AVAILABLE TO EVERYBODY

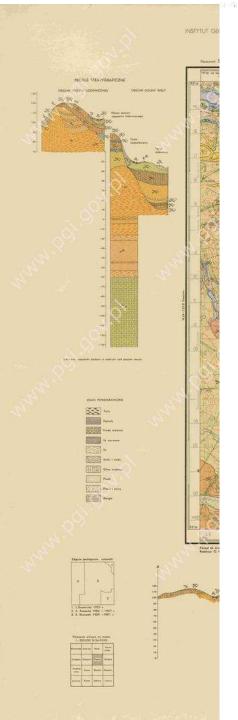




#### DESKTOP GIS BROWSER



Państwowy Instytut Geologiczny Państwowy Instytut Badawczy						Karta punktu dokumentacyjnego Szczegółowa mapa geologiczna Polski w skali 1:50 000				Arch. nr punktu: 79/z7		
						Punkt numer 0520-0564			Rodzaj punktu: SR			
	kusz: Smg	P-052	20									
Autor: Rok wyk.arkusza:							Rz	ędna: 92.0	2.00 m Głębokość: 2.50 m			
NON WYN. GINUSZG.								Data wie	Data wiercenia:			
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					2.50							



#### INSTYTUT GEOLOGICZNY

#### SYLWESTER SKOMPSKI

# OBJAŚNIENIA DO SZCZEGÓŁOWEJ MAPY GEOLOGICZNEJ POLSKI

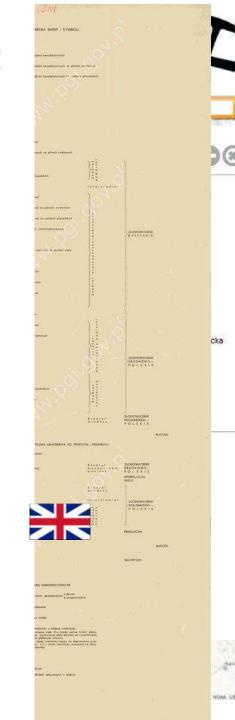
Arkusz Gqbin N34 - 124C

1:50000

(z 6 fig., 7 tab. i 7 tabl.)

WARSZAWA 1970

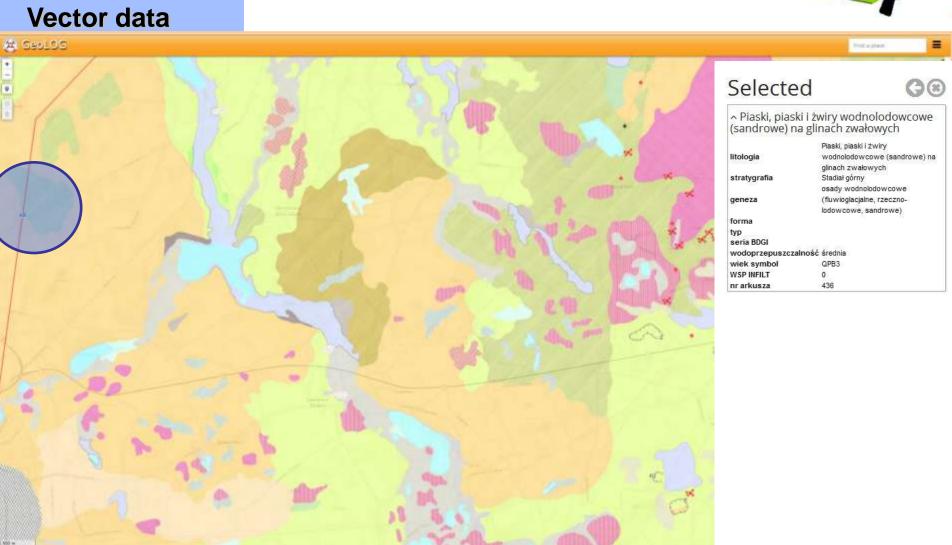
WYDAWNICTWA GEOLOGICZNE



### **Access to data**

# GeoLOG - MOBILE GIS BROWSER Free





Geological map of Poland in 1:200 000 without Quaternary deposits

Geological map of Poland in 1:50 000

#### Access to data

# GeoLOG - MOBILE GIS BROWSER Free

Państwowy Instytut Geologiczny Państwowy Instytut Badawczy					180000 100		Karta punktu dokumentacyjnego Szczegółowa mapa geologiczna Polski w skali 1:50 000 Punkt numer 0438-0883			1000	Arch. nr punktu: 385 Rodzaj punktu: SM		
Arkusz SMGP-0438 Autor: Janusz Badura, B. Przybylski Rok wyk.arkusza: 2003					. Przybylski				Rzędna: 101.00 m		) m Głębokość: 2.00 m		
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9		-11	-2.	U		2.00							
							Major Groundwater Reserv	voirs			4		

Access to data

**WMS SERVICES** 

**Vector data** Polish Geological Institute CBDG - Services WMS & WFS National Research Institute Portal CBDG | CBDG Contact Intranet PGI home Search in PORTAL Search **CBDG Portal** RZESZÓ V Home CBDG Domain systems Portal websites Access policy

Adres WMS: http://cbdgmapa.pgi.gov.pl/arcgis/services/kartografia/smgp\_pktdok/MapServer/WMSServer

Adres WFS:

Display 10 records

Service name (preview)

Research sites

Research sites

Research sites

Service name (preview)

Mobile

View

View

View

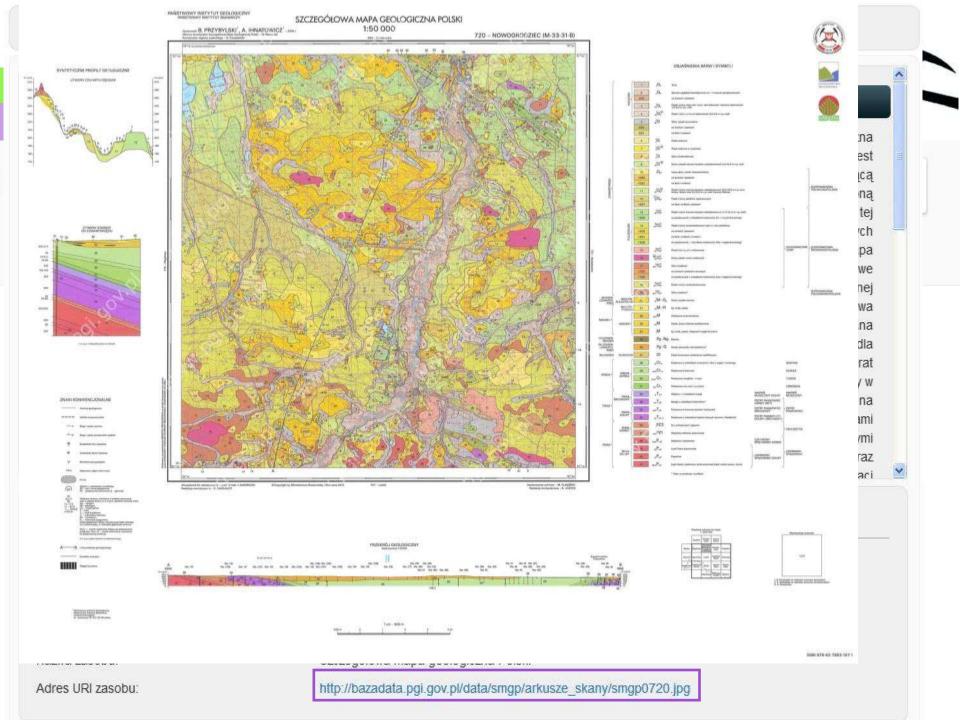
Polish Geological Institute - National Research Institute

2 of 2 - selected from 61 records

Previous page Next page

Principles of using

Financing Contact



#### Detailed Go

BOUDARY
FAULTS
(deal with
inconsistencies
between edges of
the neighbouring
map sheets)

compilation of

a common

dictionary

Data update!

#### of Poland on the Web

Renovation of the old offset map sheets (215) distorted due to censorship

# CHALLENGE

**OF APPROACH** 

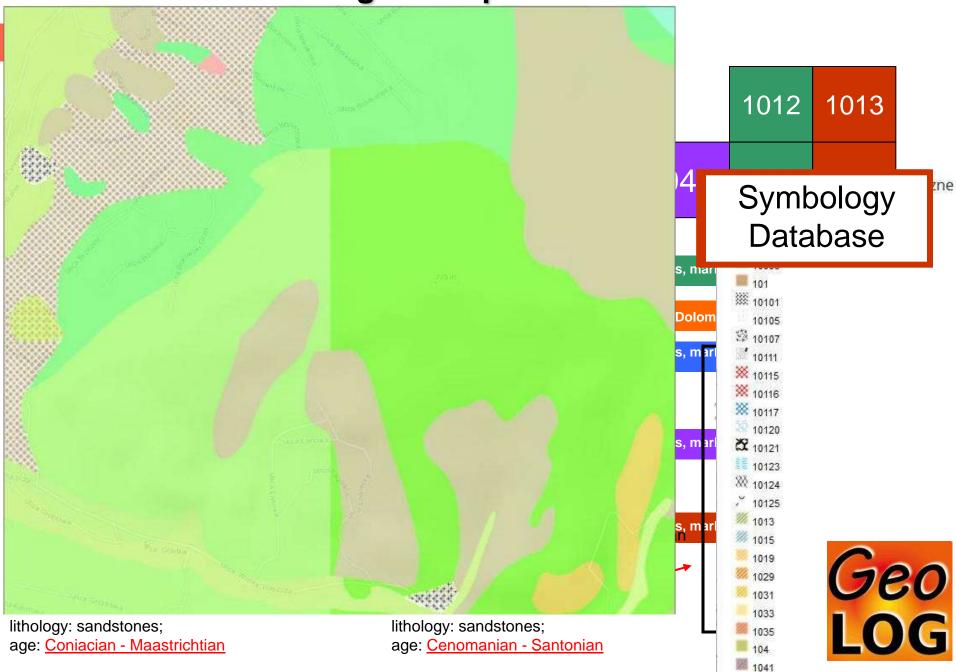
from printed maps (sheet division) to database-oriented

Make
vector data
downloadable
on-line
- FOR FREE!

revision of applied vocabulary

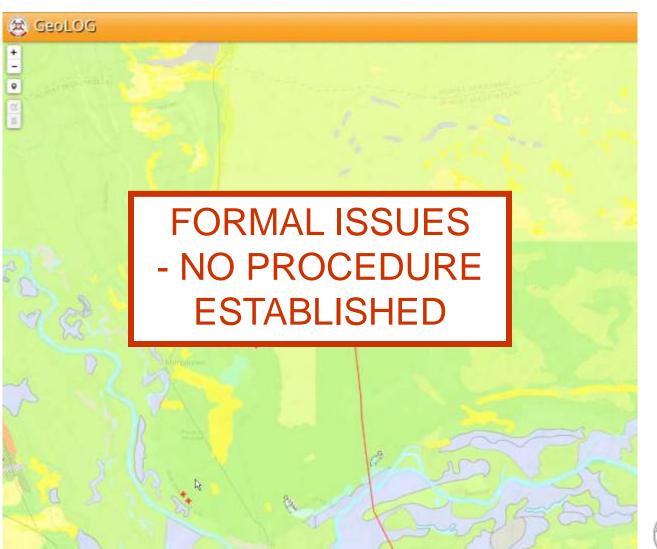
of <u>color symbols</u> for geological units

Prepare a WFS service g for selected areas (allow spatial queries!)



**Challenges** "Boundary faults" in the database – dealing with inconsistencies

between edges of the neighbouring map sheets |



388	389
427	428

#### Sediments:

fluvial

fluvial

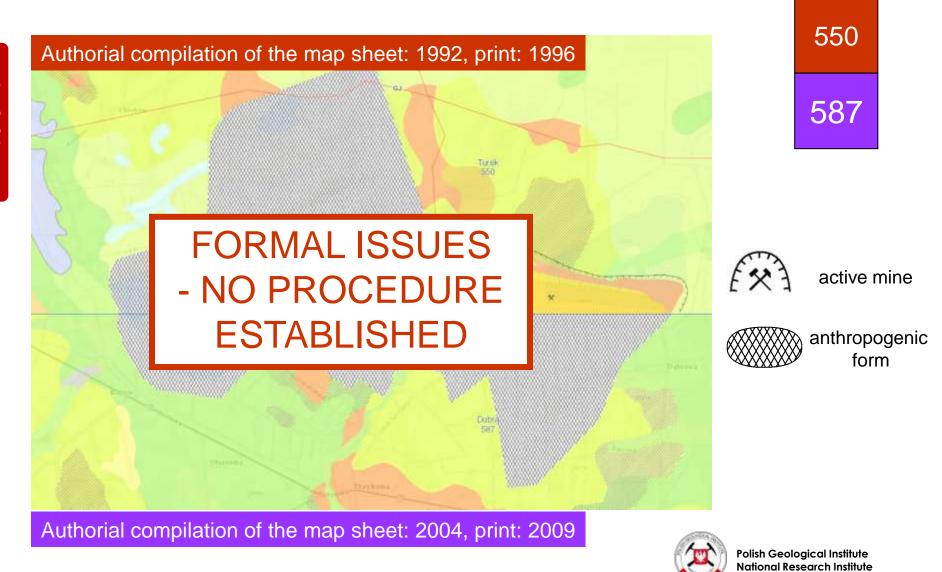
fluvial

fluvioglacial



**Challenges** 

Data update

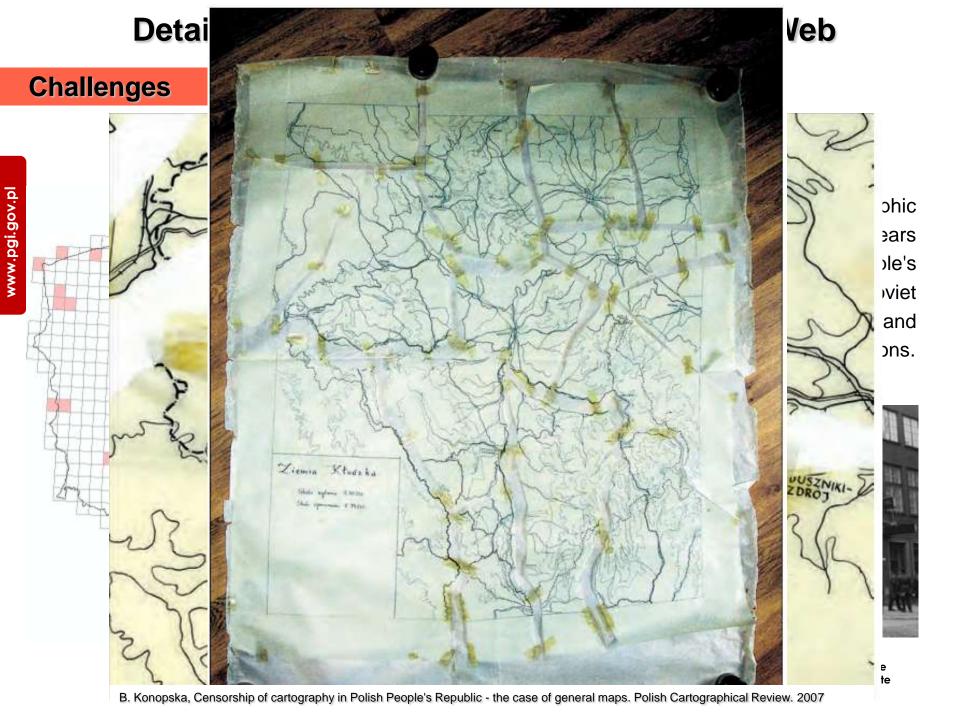


**Challenges** 

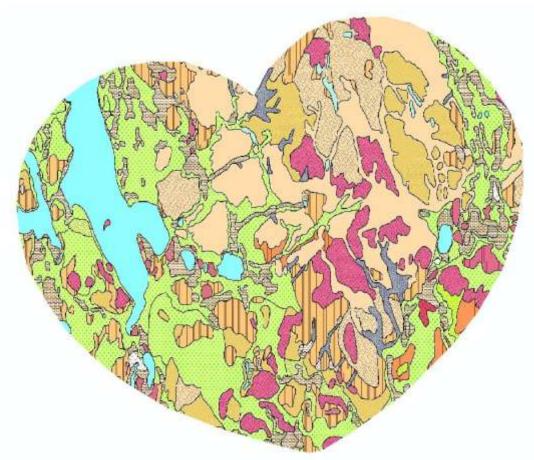
Making vector data downloadable on-line,

preparing a WFS service

CENTRAL GEOLOGICAL DATABASE	CURRENTLY	HOPEFULLY IN THE FUTURE
data acquisition	purchase on-site	download on-line
extent of the purchased /downloaded data	chosen map sheet or map sheets	ANY
cost	49,40 PLN (~12 Euro/13 USD) per map sheet	FREE
available services	WMS	WMS, WFS



# THANK YOU FOR YOUR TIME



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