



Polish Higher Education in the Field of Geospatial Engineering

CURRENT STATE AND CHALLENGES

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Geodesy and Cartography in Poland

Surveyors:

- Small and midsize enterprises (mostly)
- 18793 licensed surveyors (1233 new since 2019)

Public Service:

- Head Office of Geodesy and Cartography
- 16 Voivodeship Centers for Geodetic and Cartographic Documentation
- 380 local offices in poviats (counties) responsible for land and building register (cadastral database)

Education:

- 15 technical schools
- 25 Public academies
- 8 Non-public academies

Recruitment 2023/24

g^oforum.pl

2312 NEW STUDENTS IN OCTOBER 2023

23 academies (32 undergraduate programs) – 21 public & 2 non-public

Geodesy and geoinformation(1)

Geodesy and cadastre (1)

Geodesy and cartography (18)

Geospatial Informatics (1)

Geoinformatics (7)

Geodesy and spatial planning (1)

Geospatial engineering (1)

Geoinformation (2)

1675 students (1878 places)

637 students (645 places)

Students in 2023

6378 STUDENTS (29 ACADEMIES)

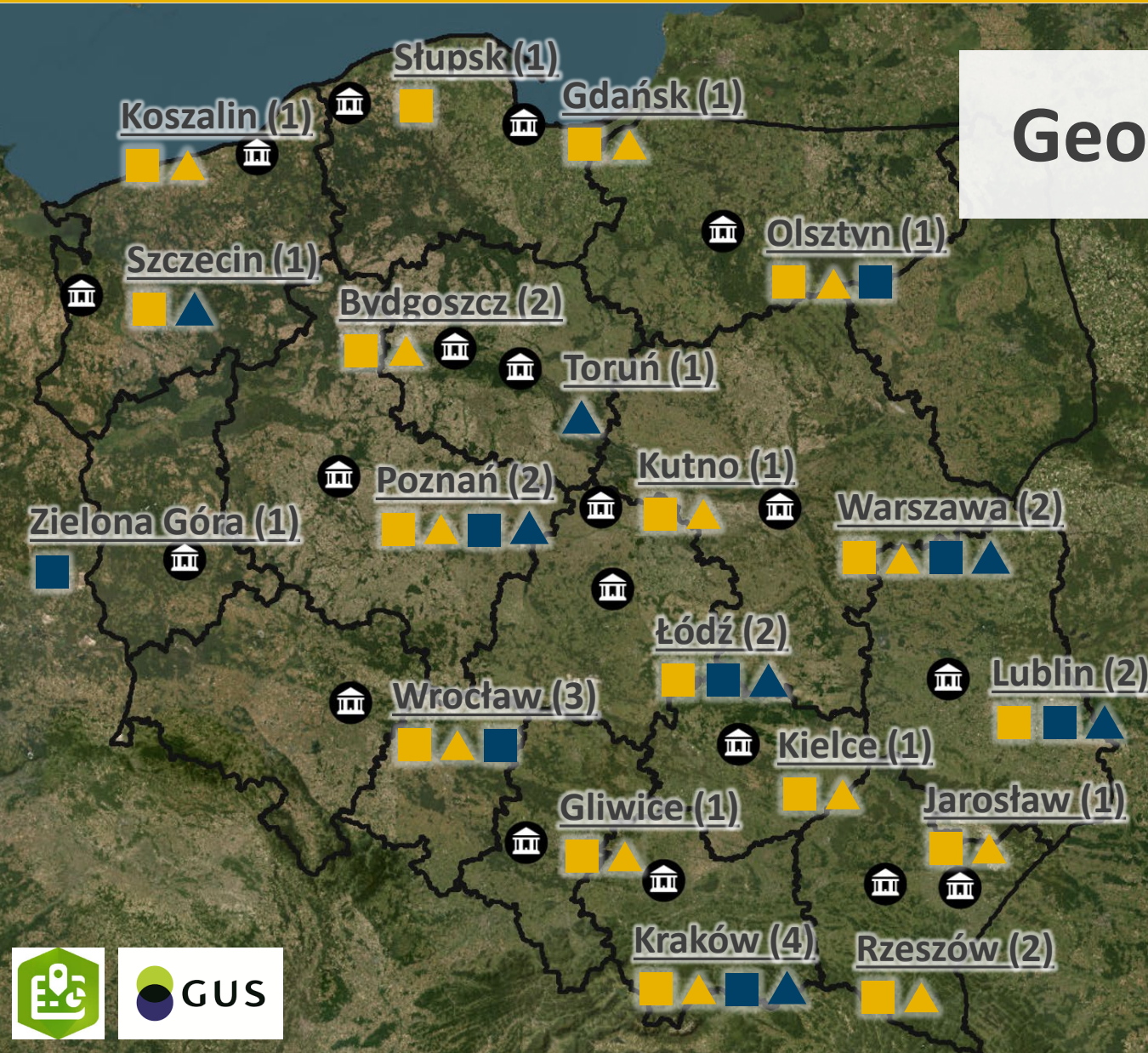


5985 at public academies and **393** at non-public

- 24 public and 5 non-public academies
- 60 programs (54 public and 6 non)
- 37 Bachelor's (32 public + and 5 non)
- 22 Master's (21 public + and 1 non)
- 2 Long-cycle Master's (public – military)

Studies	Public	Non-Public
Bachelor's	5209	371
Master's	542	22
Long-Cycle Master's	234	0
Sum	5985	393

Geospatial programs per city



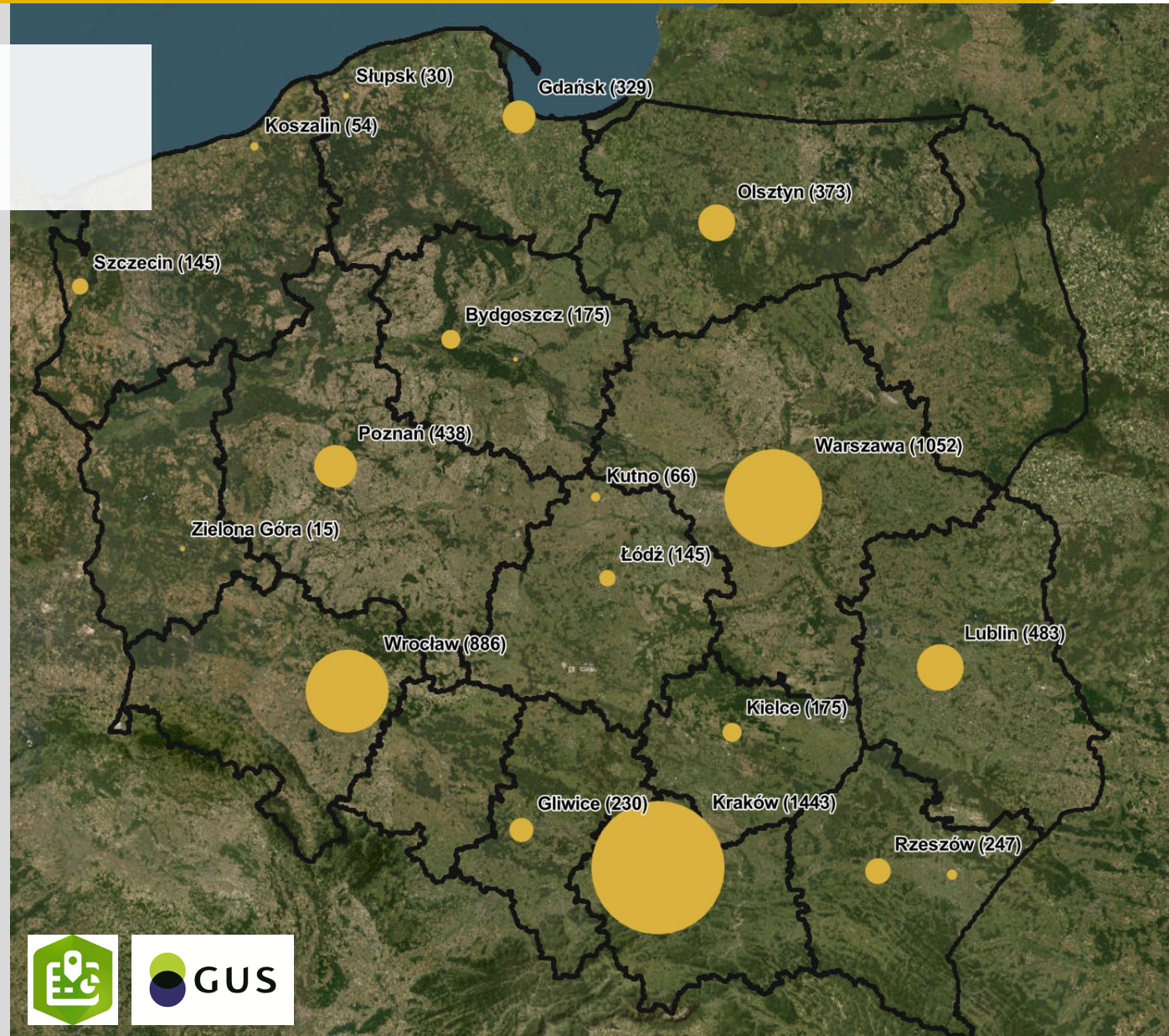
Legend:

- Bachelor's program in Geodesy
- ▲ Master's program in Geodesy
- Bachelor's program in Geoinfo
- ▲ Master's program in Geoinfo



Number of students per city

City	Students in 2023		
	All	Geodesy	Geoinfo
Bydgoszcz	175	175	0
Gdańsk	329	329	0
Gliwice	230	230	0
Jarostaw	77	77	0
Kielce	175	175	0
Koszalin	54	54	0
Kraków	1443	1005	438
Kutno	66	66	0
Lublin	483	317	166
Olsztyn	373	310	63
Poznań	438	276	162
Rzeszów	247	247	0
Szczecin	145	145	0
Słupsk	30	30	0
Toruń	15	0	15
Warszawa	1052	805	247
Wrocław	886	701	185
Zielona Góra	15	0	15
Łódź	145	45	100



Changes

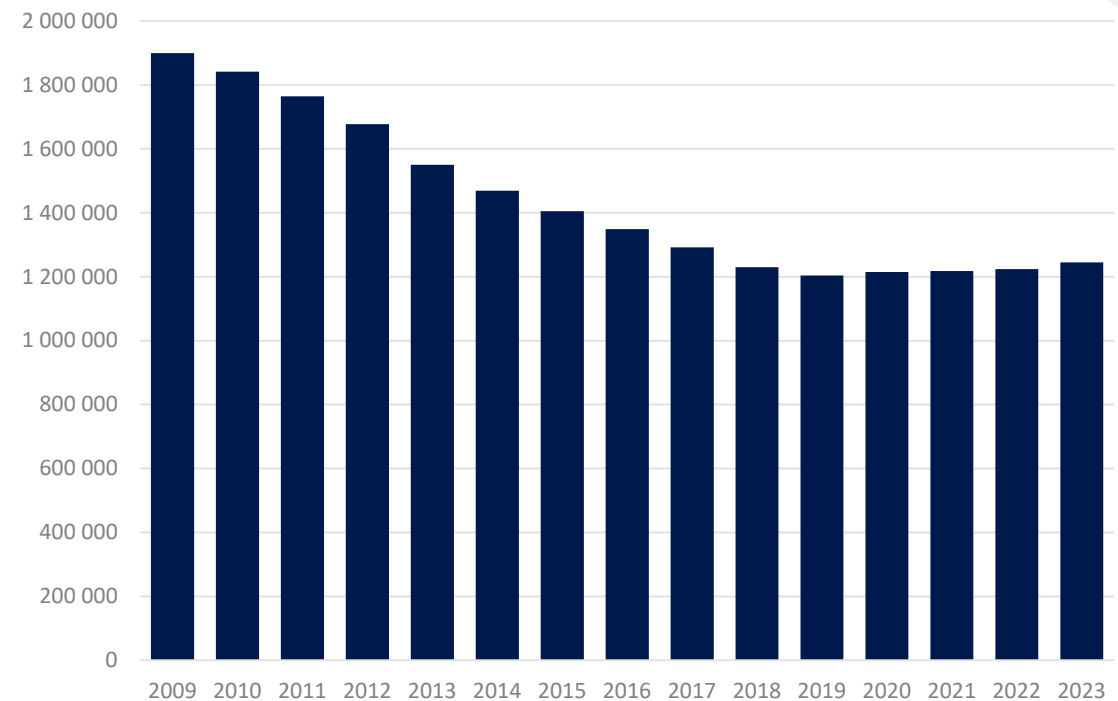
STUDENTS IN POLAND

Significant decrease in the number of students in Poland:

- 1.9 million in 2009
- 1.23 million in 2018



Students in Poland



Changes

STUDENTS IN POLAND

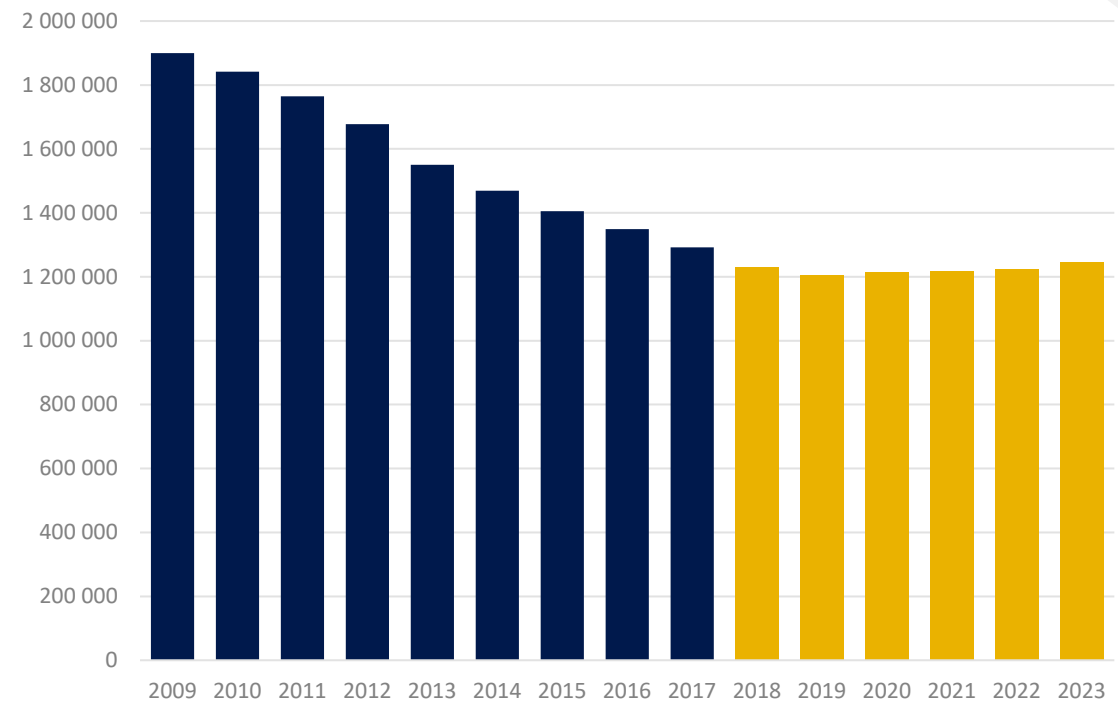
Significant decrease in the number of students in Poland:

- 1.9 million in 2009
- 1.23 million in 2019

Stable number of students from 2019 around 1.2 million



Students in Poland



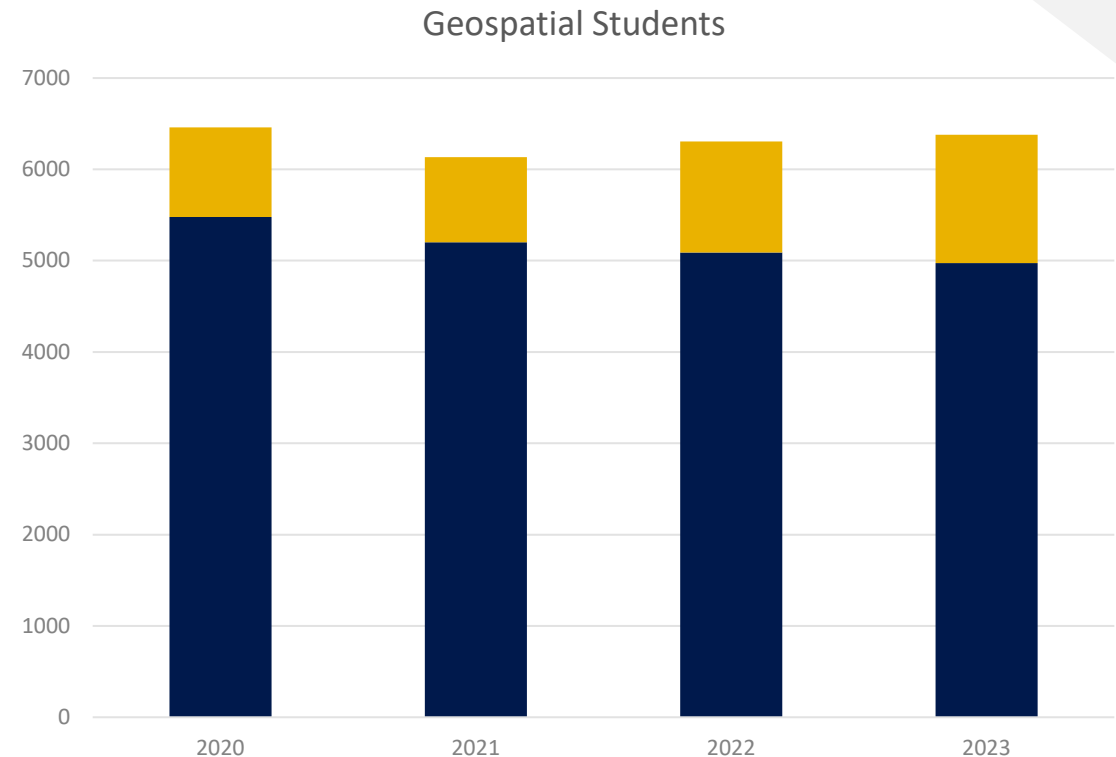
Changes

STUDENTS IN THE FIELD OF GEOSPATIAL



Stable numbers in last years (2020-2023):

- around 6200-6400 students (0,5% of all students in Poland)
- similar number of 'geodetic' programs
- increasing number of 'geoinfo' programs 5 new since 2018
- decreasing number of 'geodetic' students from 5478 to 4975
- increasing number of 'geoinfo' students from 980 to 1403



Challenges

POLISH HIGHER EDUCATION IN THE FIELD OF GEOSPATIAL ENGINEERING



Significant decrease in the number of diplomas:

- 1363 in 2023 (2312 new students in 2023)

Significant decrease in the number of master's students:

- 908 in 2020
- 564 in 2023

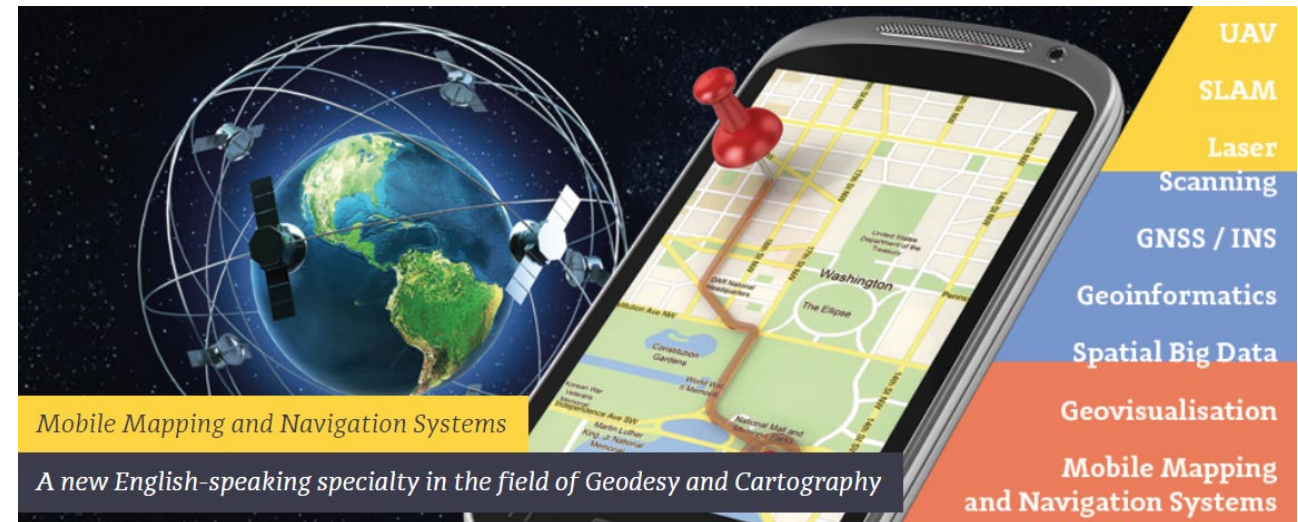
Challenges

POLISH HIGHER EDUCATION IN THE FIELD OF GEOSPATIAL ENGINEERING



Development of English-taught programs:

- Problems with admission of foreign pupils for Bachelor's programs.
- Various background of foreign students on Master's programs.





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