



**Central
Mining
Institute**



CENTRAL MINING INSTITUTE (GIG)

is a scientific-development organization combined since the year 1945 with the Upper Silesian extractive industry and region.

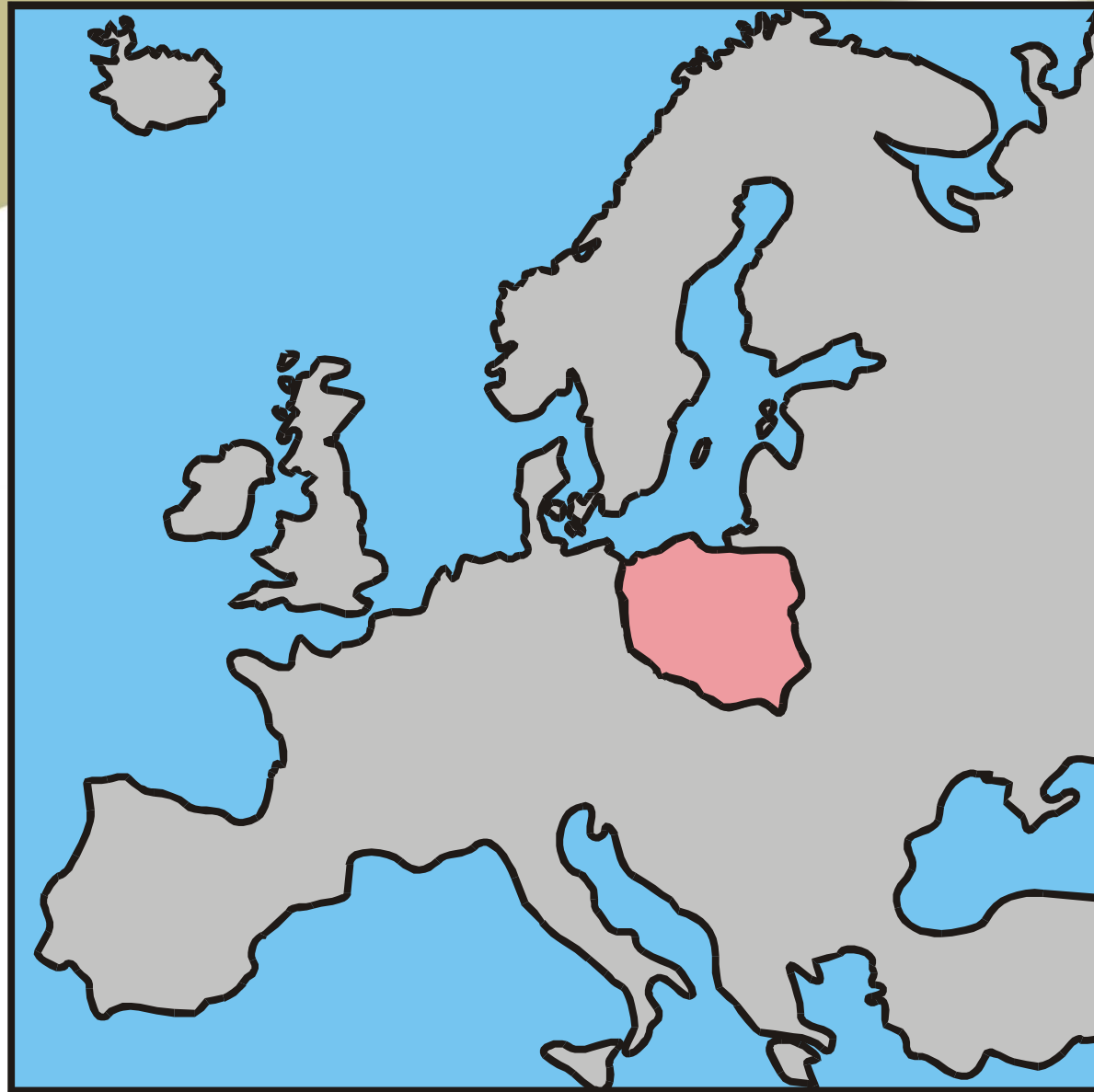
A part of the Institute constitutes the Experimental Mine "Barbara" in Mikołów, established 20 years before.

Poland, 40-166 Katowice, Plac Gwarków 1
<http://www.gig.katowice.pl>



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Upper Silesian Industrial Region

The most industrialized and most densely populated throughout whole Poland, with largest concentration of Polish brownfields

A few mln people live in the region and suburbs, but there are no huge cities.

Katowice, the capital of the region has only about 350 000 inhabitants, but we have another cities of about 300 000 inhabitants and many other over 100 000.

In 19th and 20th century lots of cities started to build around coal mines - in 1990 there were still over 60 coal mines in the region (now about 30 is closed down)

Conurbation structure – many cities very close to each other, but with total independent management in each of them.

Relatively small cities had to deal with big and complicated brownfields.

Brownfields often extend accross more than one city.

Joint management of anything (not only brownfields) is a fiction still in our region, as there are no legal bases of conurbation. The particular cities are afraid to loose their identity in the conurbation and are not too positive about forming one legal organism.



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CERTIFICATES OF GIG



The Central Mining Institute possesses the Certification Body and 15 laboratories accredited at the Polish Centre for Accreditation (PCA) and Lloyd's Register Quality Assurance certificat of approval.





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GIG

Central Mining Institute is
a NOTIFIED BODY
No. 1453 of the European Union,
Within the scope of Directives:

- 94/9/WE (ATEX)
- 98/37/WE (machinery)
- 93/15/WE (explosives for civil use)





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SERVICES PROVIDED BY GIG

Currently the Institute provides services for all industry branches, state and local administration institutions and offices, and foreign partners.

GIG maintains broad contacts with foreign enterprises and institutions in the framework of scientific and technical cooperation, common research projects, as well as export of services and devices.



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BASIC ACTIVITY AREAS OF GIG

MINING AND GEOENGINEERING

**TECHNOLOGIES OF SUSTAINABLE DEVELOPMENT IN
THE FIELD OF ENVIRONMENTAL ENGINEERING**

INDUSTRIAL SAFETY

**METHODS OF SIMULATION AND ASSESSMENT OF
TECHNOLOGIES USING COMPUTER TECHNIQUES**

**MATERIAL ENGINEERING FOR THE NEEDS OF
EXTRACTIVEINDUSTRY**



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BASIC ACTIVITY AREAS OF GIG

**SUSTAINABLE POWER PRODUCTION TECHNOLOGIES
USING MINEABLE FUELS AND RENEWABLE ENERGY**

**SUSTAINABLE DEVELOPMENT STRATEGIES
IN REGIONAL FRAMES**

ECONOMIC AND SOCIAL STUDIES

**ATTESTATION, CERTIFICATION AND MANAGEMENT
SYSTEMS**

EDUCATION



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BASIC ACTIVITY AREAS CONNECTED WITH BROWNFIELDS

- Our Institute co-operates day-to-day with almost all cities in the region for **various aspects of brownfield redevelopment**
- **Very good overview** of barriers for brownfield redevelopment in throughout the whole region.
- Experts on **soil, groundwater and surface water** contamination, the experts on **waste management**, but we do also some **spatial planning or social analyses**



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**THANK YOU
FOR YOUR ATTENTION**