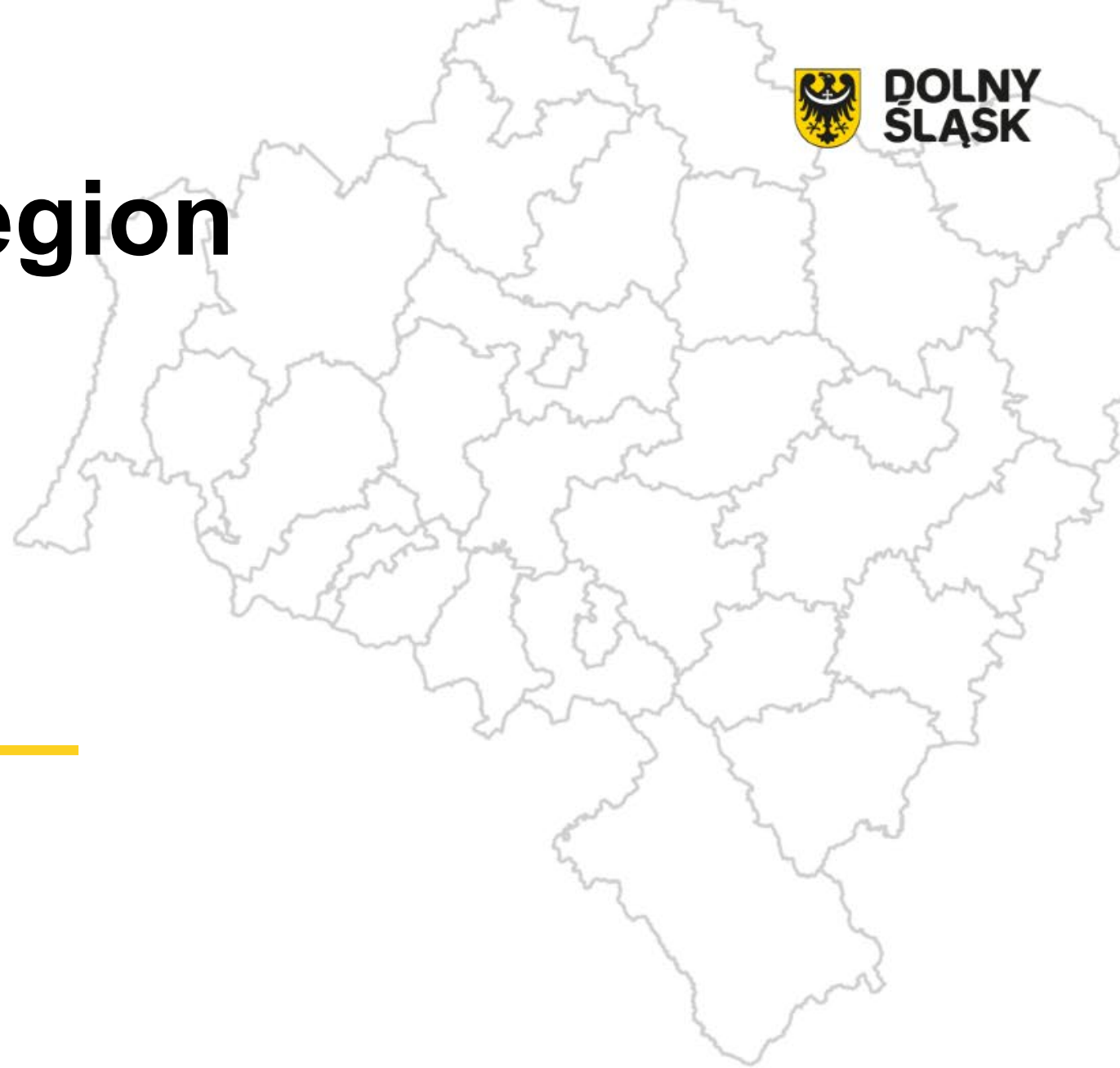


Coal Mining in Lower Silesia Region

– challenges and opportunities



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Lower Silesia Marshal's Office

Platform for Coal and Carbon-Intensive Regions in Transition

Brussels, 8th April 2019

Lower Silesia – general information



GDP 2016: 35,7 bln EUR

8,4% GDP of Poland

[source: Eurostat]

GDP 2016 per capita: 12 300 EUR

110,8 % of GDP per capita of Poland

2nd in the country

[source: Eurostat]

Industrialization level: 34,1% GDP

(Poland: 23,9% GDP)

[source: GUS]

Subregion	Purchasing power standard (PPS) per inhabitant [EUR]	Purchasing power standard (PPS) per inhabitant [%]
UE	29 300	100
Dolny Śląsk	22 100	75
Miasto Wrocław	32 900	112
Jeleniogórski	15 800	54
Legnicko-Głogowski	27 100	92
Wałbrzyski	14 800	51
Wrocławski	20 800	71

[source: Eurostat]

Regional strategies

STRATEGIC GOALS:

1. Effective usage of the economic potential of the region,
2. Public services' quality and accessibility improvement,
3. Reinforcement of the regional human resources and social capital,
4. **Responsible usage of the raw materials and the protection of the natural environment** and cultural heritage,
5. Regional spacial cohesion's reinforcement.

**RAMY STRATEGICZNE
NA RZECZ
INTELIENTNYCH
SPECJALIZACJI
DOLNEGO ŚLĄSKA**



Smart Specializations

Chemical and pharmaceutical industry

Spatial mobility

High quality food

Natural resources and recyclable materials

Manufacture of machinery and equipment, metal processing

Information and communication technologies

LOWER SILESIA MINING PROJECTS

REMIX

The **REMIX** - project with an objective to bring together regions rich in mineral resources.



The project aims at finding good practices in different EU regions:

- how the regional small and medium size enterprises and municipalities can benefit from the mining industry?
- how the regional development authorities can strengthen the sustainable operational environment?

MineLife

Strengthening institutional cooperation and partnership between citizens and institutions in the field of mining, in the border area of Saxony and Lower Silesia. Tasks:

1. Common development of competences.
2. Development and application conflict management strategies.
3. The importance of mining in Saxony and Lower Silesia.



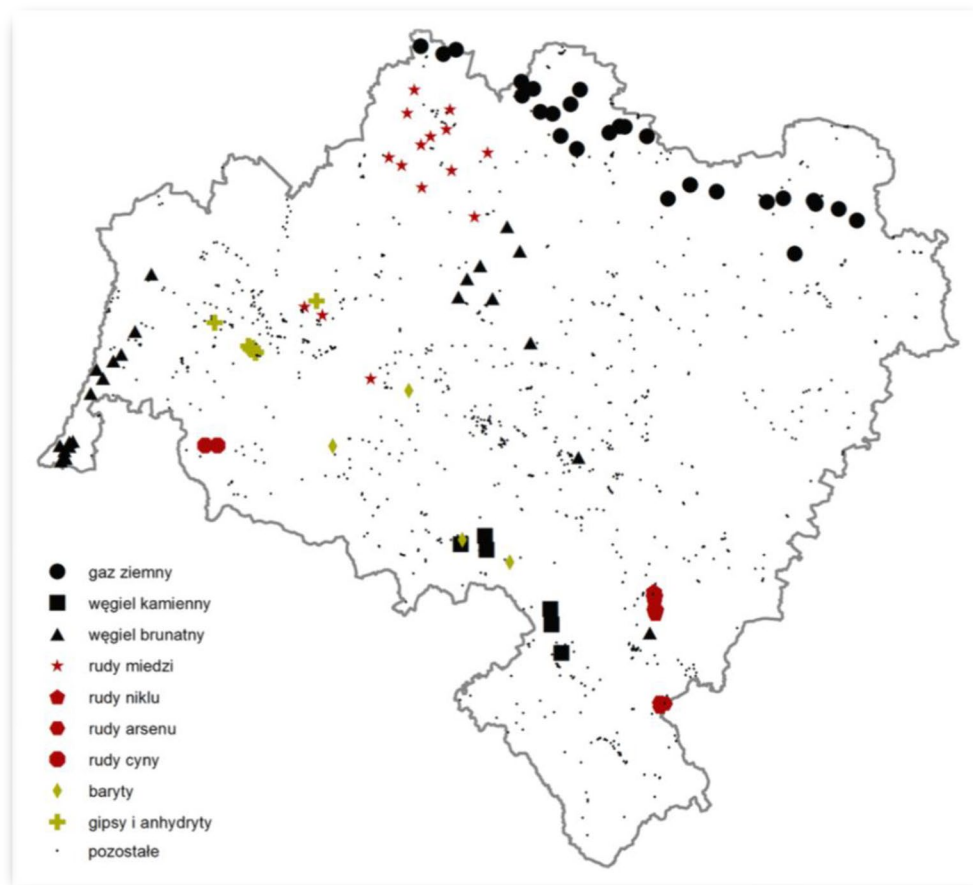
MIREU is a commitment between mining and metallurgy regions in the EU.

MIREU is targeting to build a strong consortium for the mining and raw material regions to fulfil European targets and support EU level policy change towards more sustainable raw materials value chains in terms of social acceptance, environmental soundness and economic viability.



[source: www.mireu.eu]

Mining in Lower Silesia



Natural resources

[source: PIG CBDG , geoportal.gov.pl]

1 098 mineral deposits:

- 49 energy resources
- 23 metallic resources
- 256 stones, rock aggregate (granite)
- 465 sands and gravels
- 354 others

Curative and thermal springs 19
deposits (13 with mining
concession/mining permit)

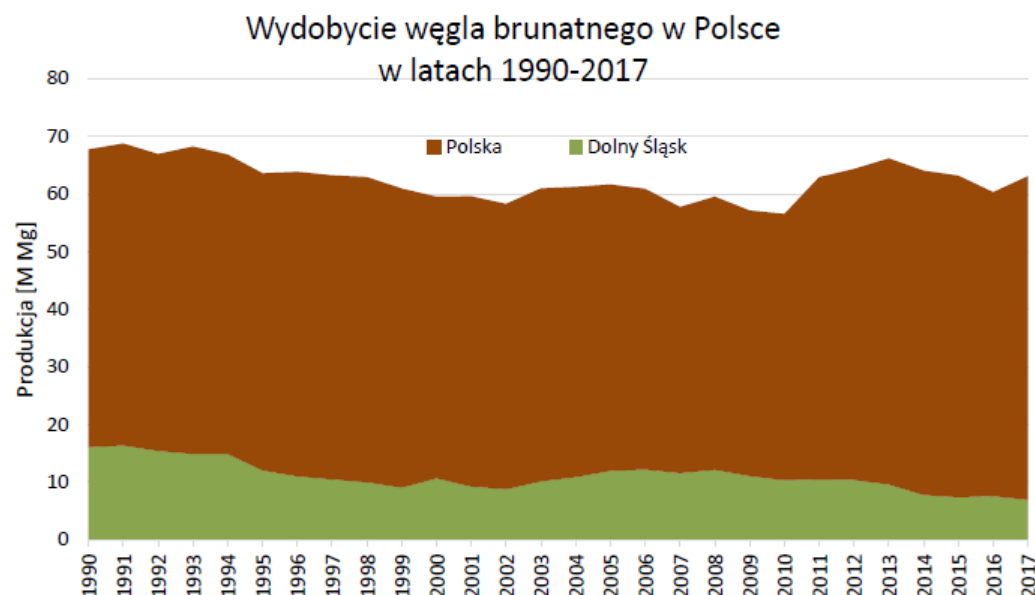
376 mines in Lower Silesia

Lignite

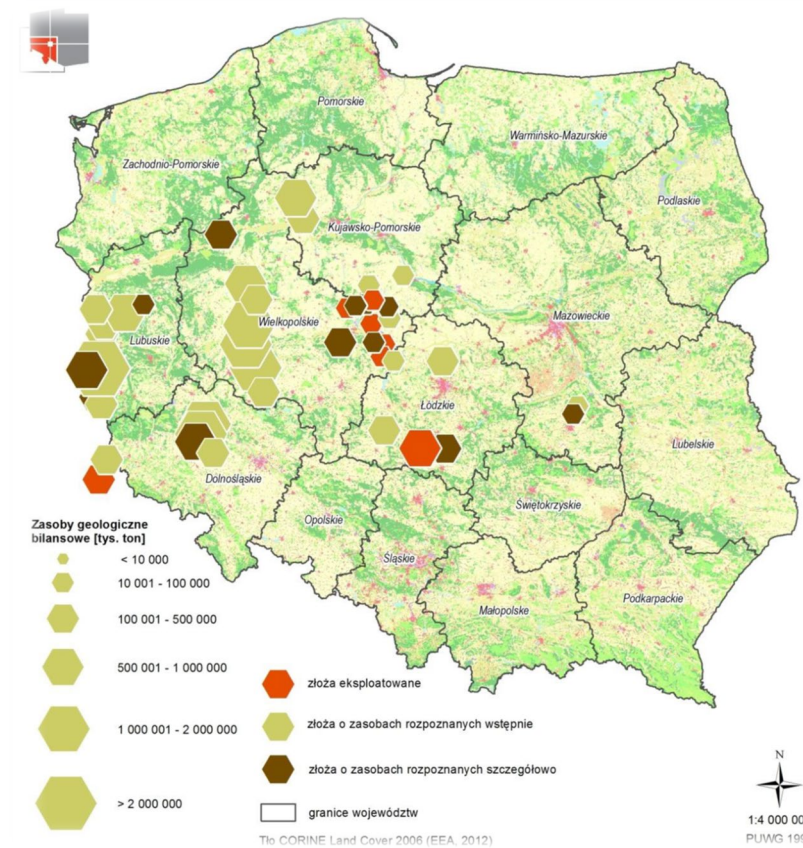
ACTIVE MINE:

Turów Coal Mine

- about 2,5 k employees,
- average annual production at the level of 12 million tons



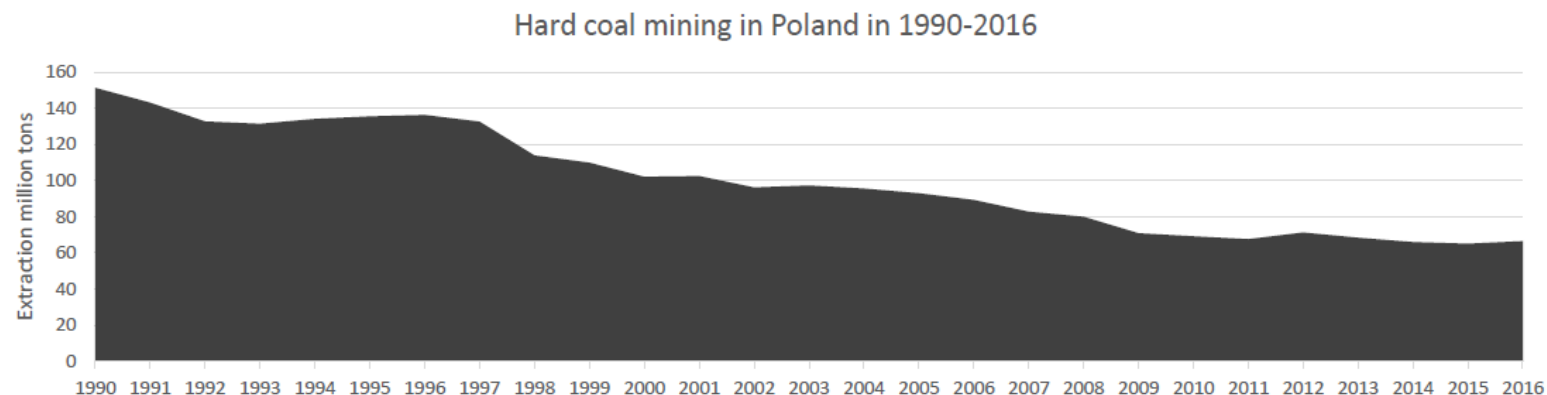
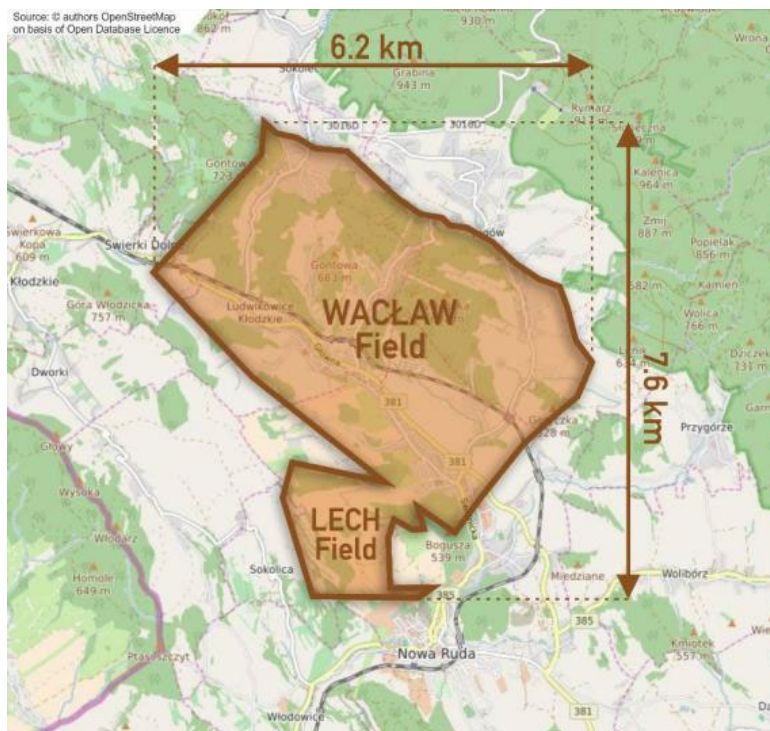
Lignite resources in Poland
[source: irt.wroc.pl]



PROSPECTIVE DEPOSITS:
Legnica, Ścinawa

Hard coal

In 2000 in the area of the Lower Silesian Coal Basin coal mining was terminated



Wałbrzych subregion unemployment:

2002: 27%

2018: 8% (Lower Silesia 5,2%)

Prospective deposits: last year an application for mining license in the Nowa Ruda area was submitted.

Socioeconomic heritage

- Wałbrzych agglomeration

- degradation of infrastructure
- degradation of natural environment
- geological problems, including post-mining water and soil settlement
- air pollution
- negative social consequences of the mining monoculture
- ill society
- low level of entrepreneurship and innovation
- low level of education and training
- the problem of heavy air pollution – low emission



Lower Silesia in Coal Regions in Transition

DATE	ACTIVITY
October 2018	The Board of the Lower Silesia declares its willingness to join the Coal Regions in Transition initiative
5-6 November 2018	The delegation from Lower Silesia takes part in the third meeting of the Platform Coal Regions in Transition in Brussels: the presentation of the region to the representatives of the European Commission, DG Energy, DG Regio and application to the Country Team
November 30, 2018	The Lower Silesian delegation participated in the meeting of the Platform in Katowice as part of the first year of operation of Coal Regions in Transition
January 18, 2019	The Ministry of Energy of Poland confirms the connection of Lower Silesia to the Country Team
March 6, 2019	A meeting at the Ministry of Energy to present proposals for design concepts to the Coal Regions in Transition initiative
March 19, 2019	Decision of the Board of the Lower Silesia on transferring design concepts to the Ministry of Energy of Poland and the European Commission
March 21, 2019	Submission of project fiches to the Ministry of Energy in order to find sources of financing in the current perspective
8-10 April 2019	Lower Silesia participates for the first time as a full member of the Country Team in the meeting of the Platform for Coal Regions in Transition

Proposal of projects concepts



REVITALIZATION



ECONOMY



**ENVIRONMENTAL
PROTECTION
AND ENERGY**



**SOCIAL
INFRASTRUCTURE**



R&D



REVITALIZAT ION

Wałbrzych
Sobięcin

Wałbrzych
Nowe
Miasto

Nowa Ruda

Gmina
Jedlina-
Zdrój



removal of mining
damage



transformation
of degraded districts



thermomodernisation
of residential buildings



creating functional
green areas



construction of a sports
complex



modernization
of technical infrastructure



REVITALIZAT ION





ECONOMY

Building of water plant based
on the self-outflow from the post
mining shaft

treatment to the drinking water

Modernisation of the technical
infrastructure in the former coal
mine in Słupiec

preparation for the new
business and investment centre



ENVIRONMENTAL PROTECTION AND ENERGY

1. reduction of low emissions,
2. improvement of the environment,
3. development of decentralized Energy and renewable energy sources

New cogeneration plants as a heat and energy source

Photovoltaic installations' building





SOCIAL INFRASTRUCTURE

Building of the didactic gardens dedicated to the school and senior politics' programme

Transformations of the water reservoir in Dzikowiec and a waste-heaps in Jugów into tourism and recreation centre





R&D

Waste-heaps analysis for energy purposes



[source: polska-org.pl]

Thank you for your kind attention

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