

# 2024 Global Methane Forum

## Mobilizing Methane Action

18-21 March 2024, Geneva, Switzerland

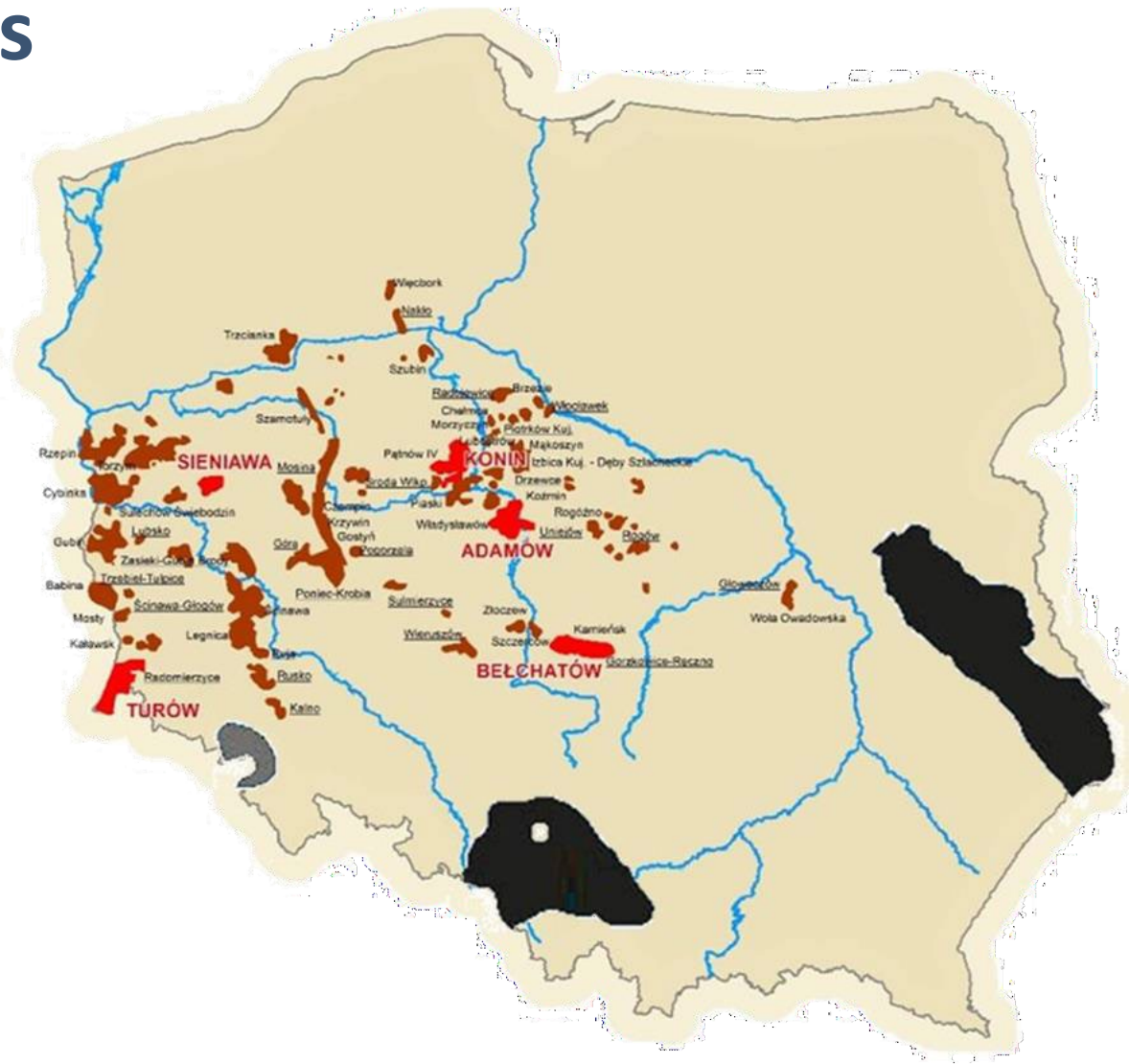
# Poland Country Update

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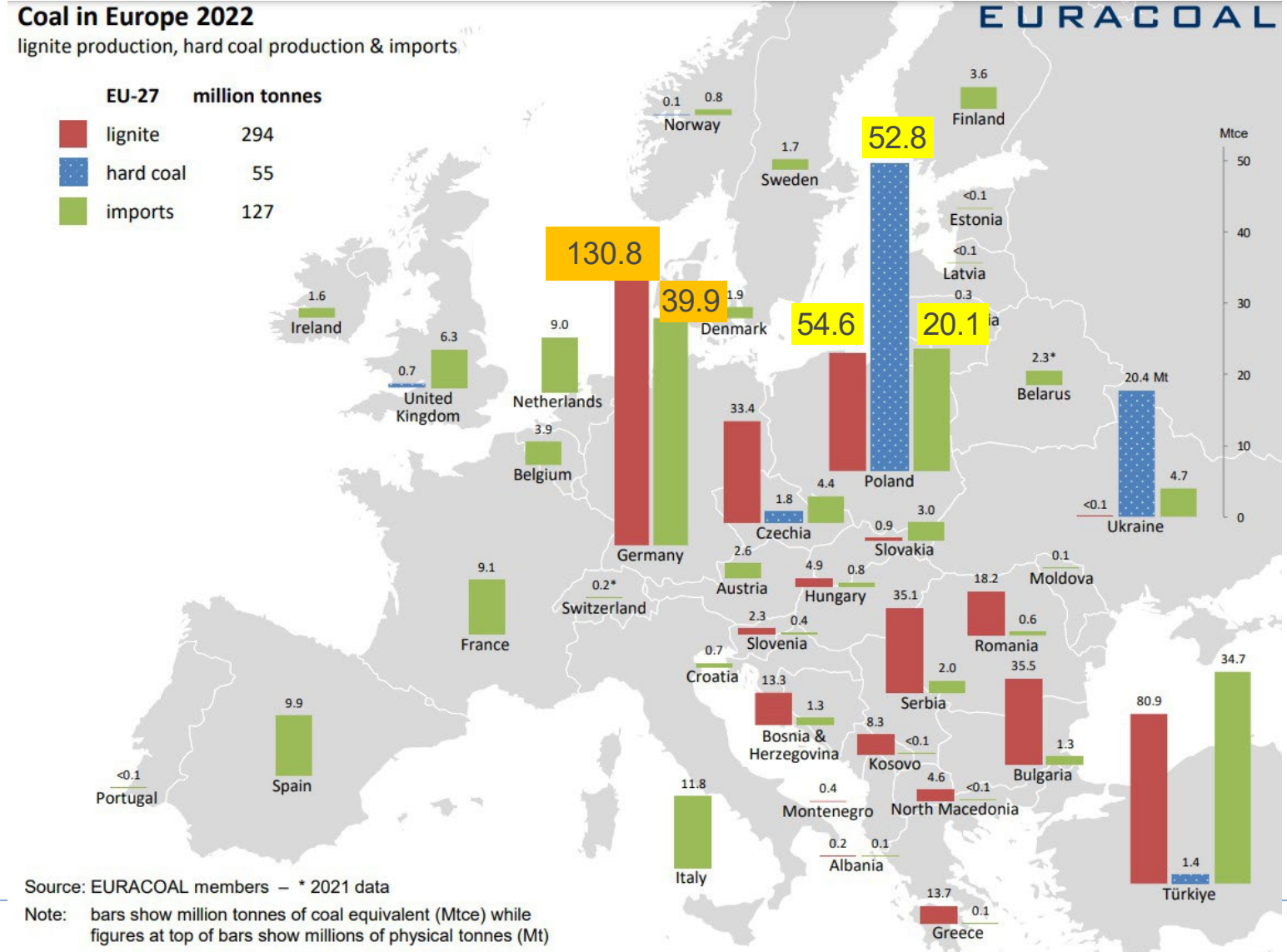
Central Mining Institute-National Research Institute  
Katowice, Poland

# Polish Coal Basins: Locations

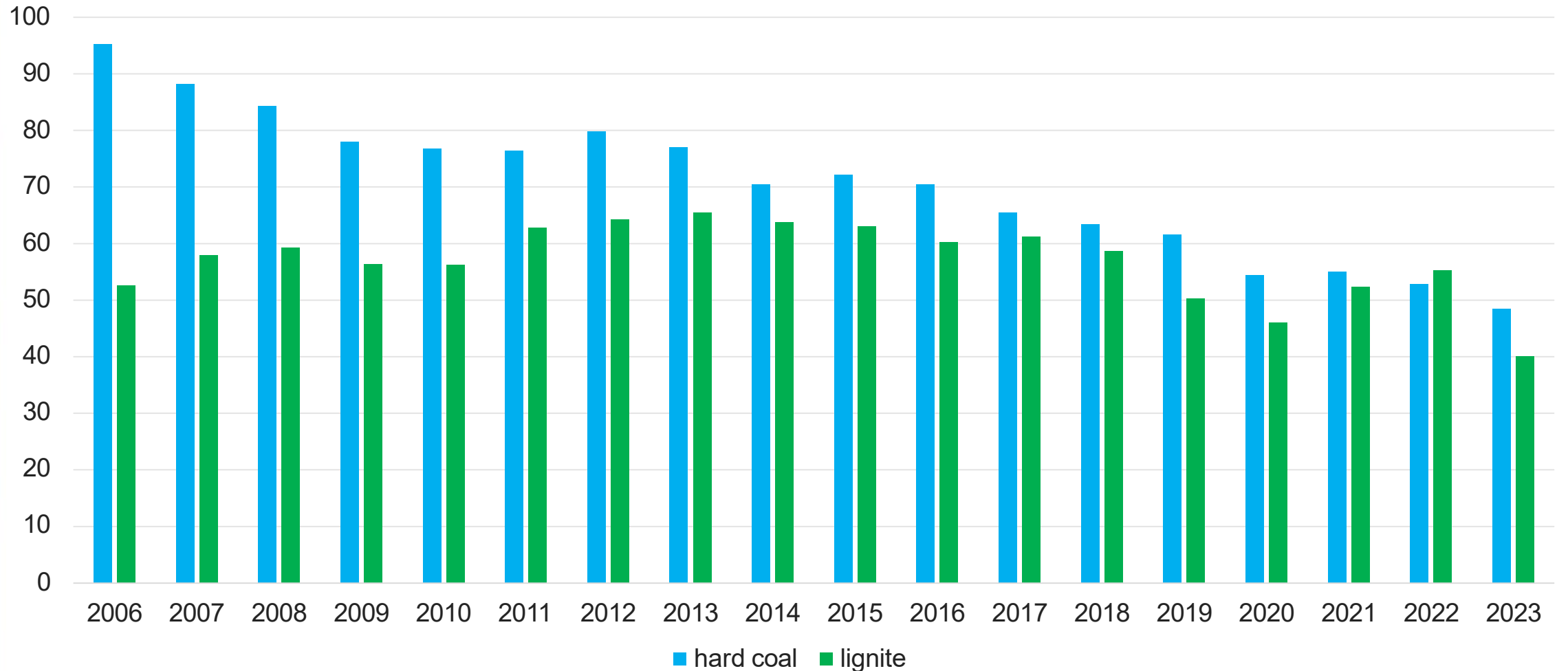
- Lignite deposits under exploitation
- Lignite – documented and prospective deposits
- Hard coal deposits under exploitation
- Hard coal abandoned deposits



# Polish Coal Statistics Against the European Background

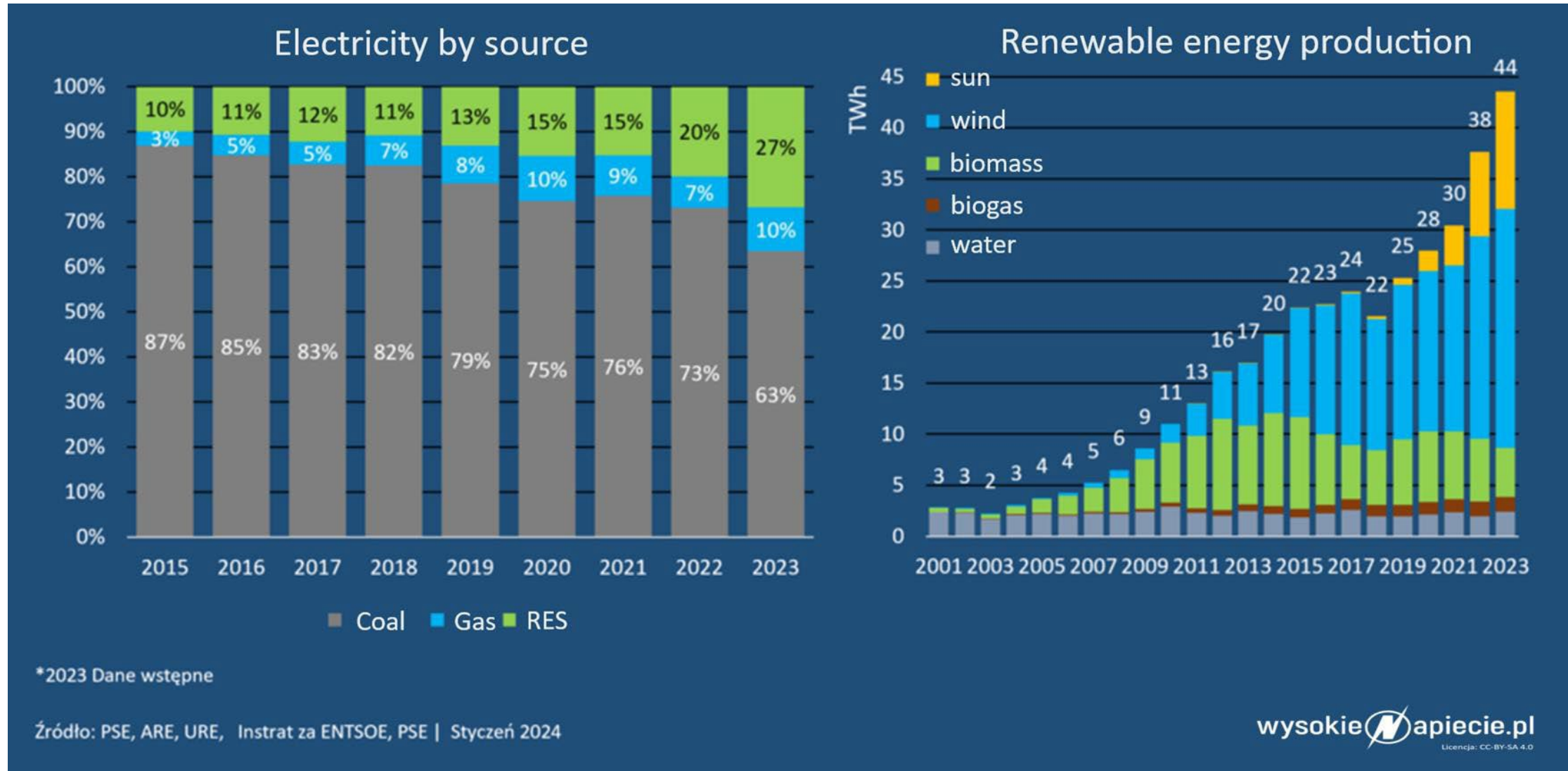


# Coal Production in Poland since 2006 in mln Tonnes

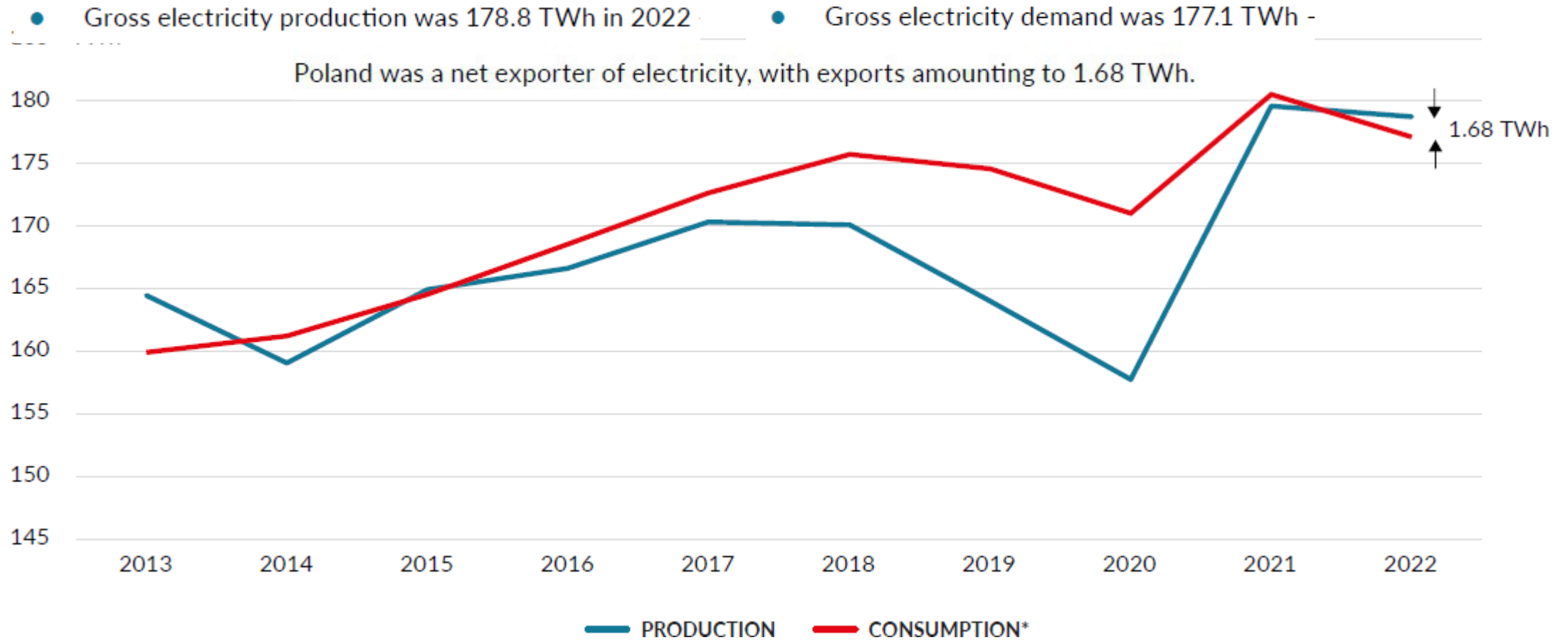


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
hard coal	95.2	88.2	84.3	78.0	76.7	76.4	79.8	77.0	70.5	72.2	70.4	65.5	63.4	61.6	54.4	55.0	52.8	48.4
lignite	52.6	57.9	59.3	56.4	56.3	62.8	64.3	65.5	63.7	63.1	60.2	61.2	58.7	50.3	46.0	52.4	55.2	40.1

# Electricity Production by Source in Poland since 2015

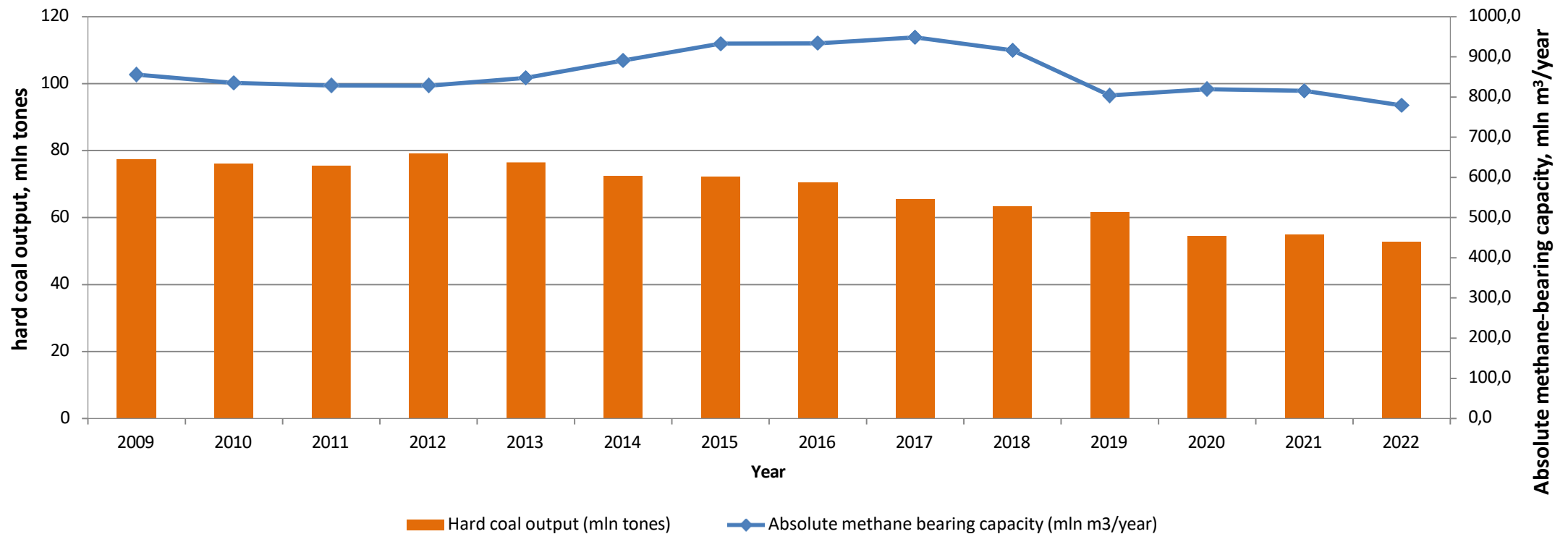


# Polish Electricity Production versus Consumption in 2013-2022

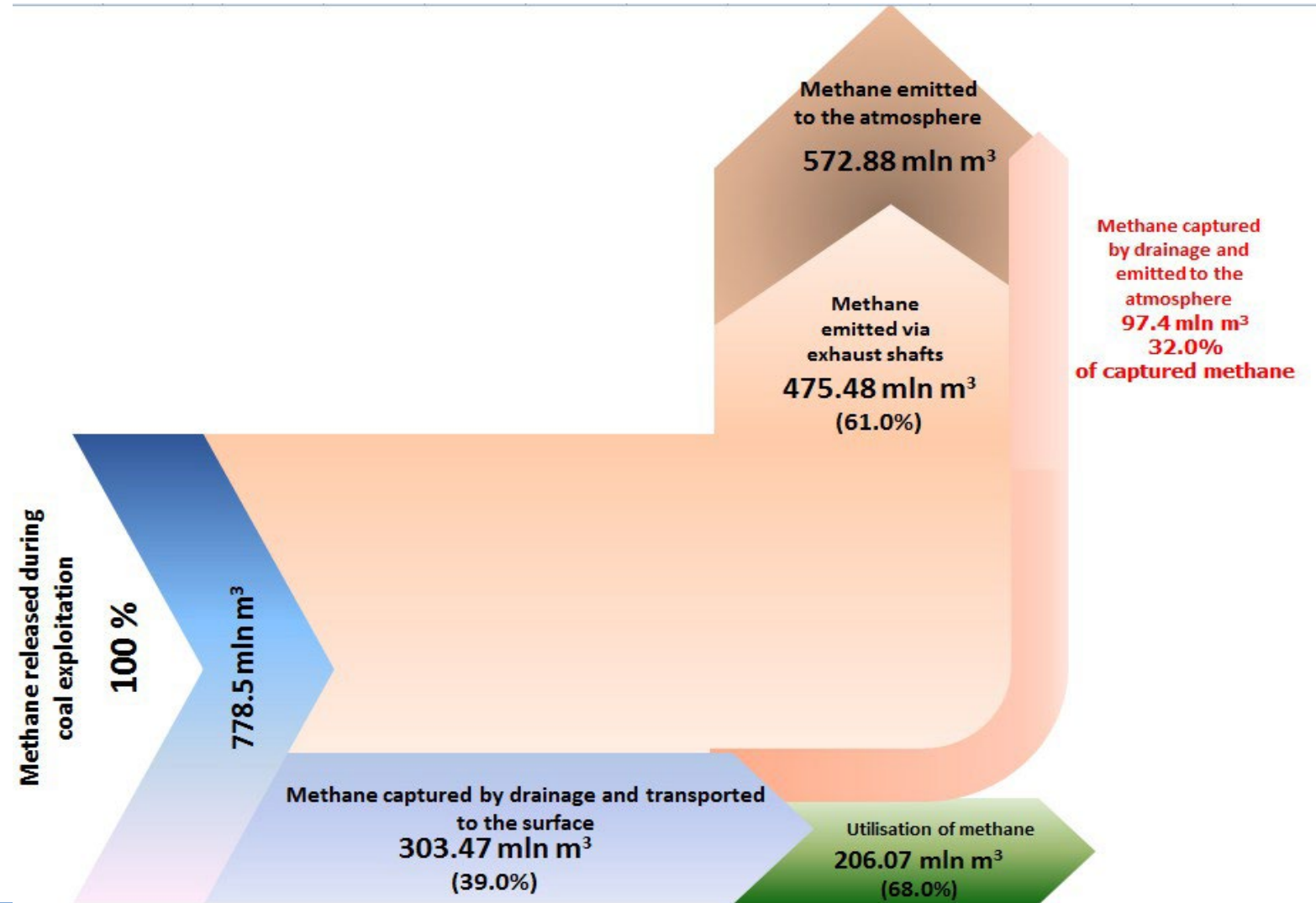


# Coal Mine Methane Emissions from Polish Underground Coal Mines since 2013

Absolute methane-bearing capacity and hard coal output in Polish coal mines  
2009-2022



# Methane Balance in Polish Underground Hard Coal Mines in 2022





# Methane is not the Only Hazard in Polish Underground Coal Mines

Roof falls

Gas hazard

Fire hazard

Dust hazard

Seismic and rock burst hazard

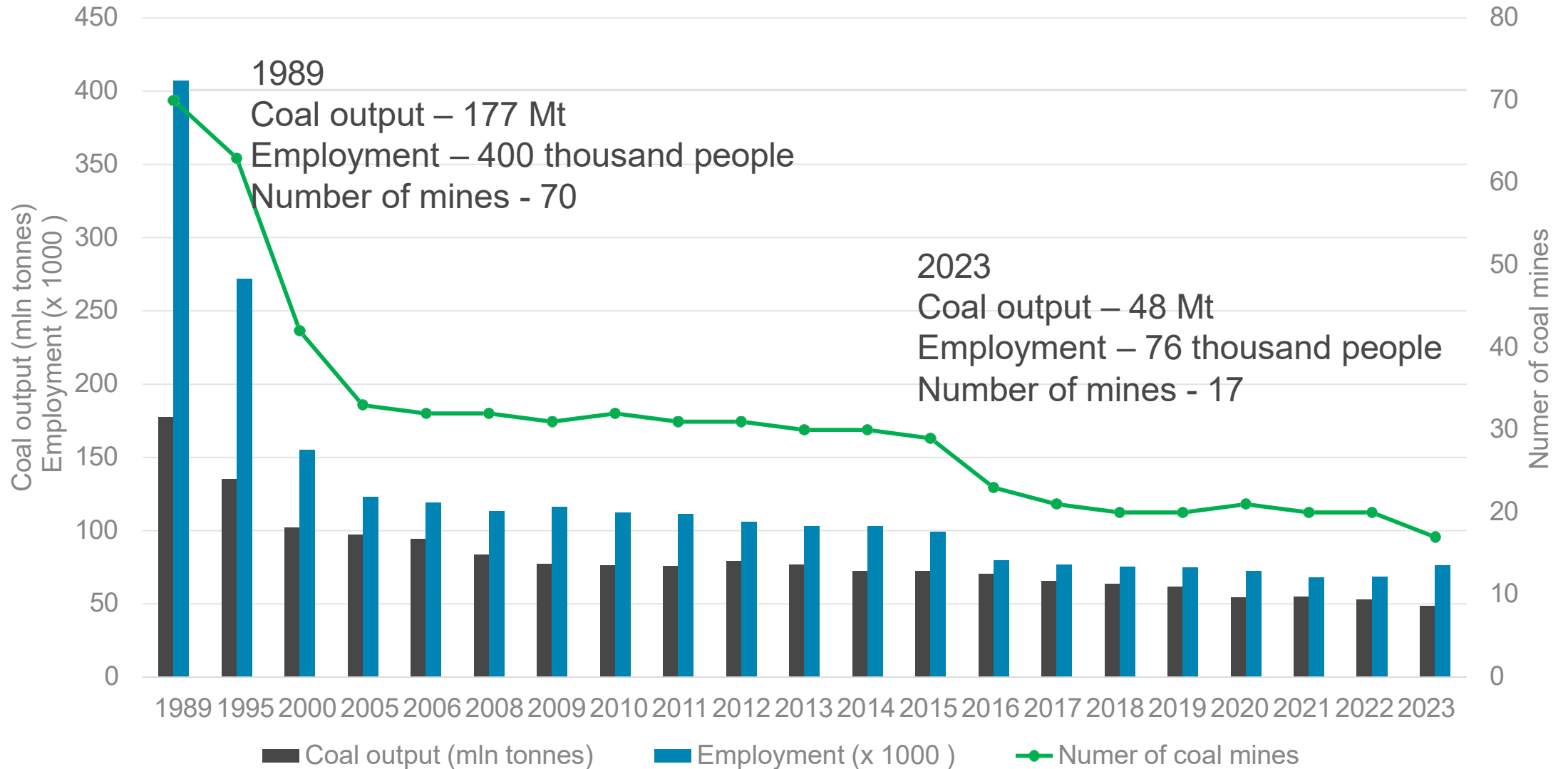
Water hazard

Climatic hazard

Radiation hazard



# Future of Polish Coal Mines – Restructuring Process over Last Decades



# Future of Polish Coal Mines

- In May 2021, the Polish government signed a consensus (social agreement) with mining unions to use public funds to support miners during Poland's phaseout of **thermal coal by 2049**.
- This agreement **does not include coking coal mines** and is currently in the process of notification by the European Commission.
- **The new EU methane emissions regulation, which is in the last stage before its implementation will definitely create a lot of challenges for the mining sector**