

Instrat Coal Mining Database

Poland / Europe

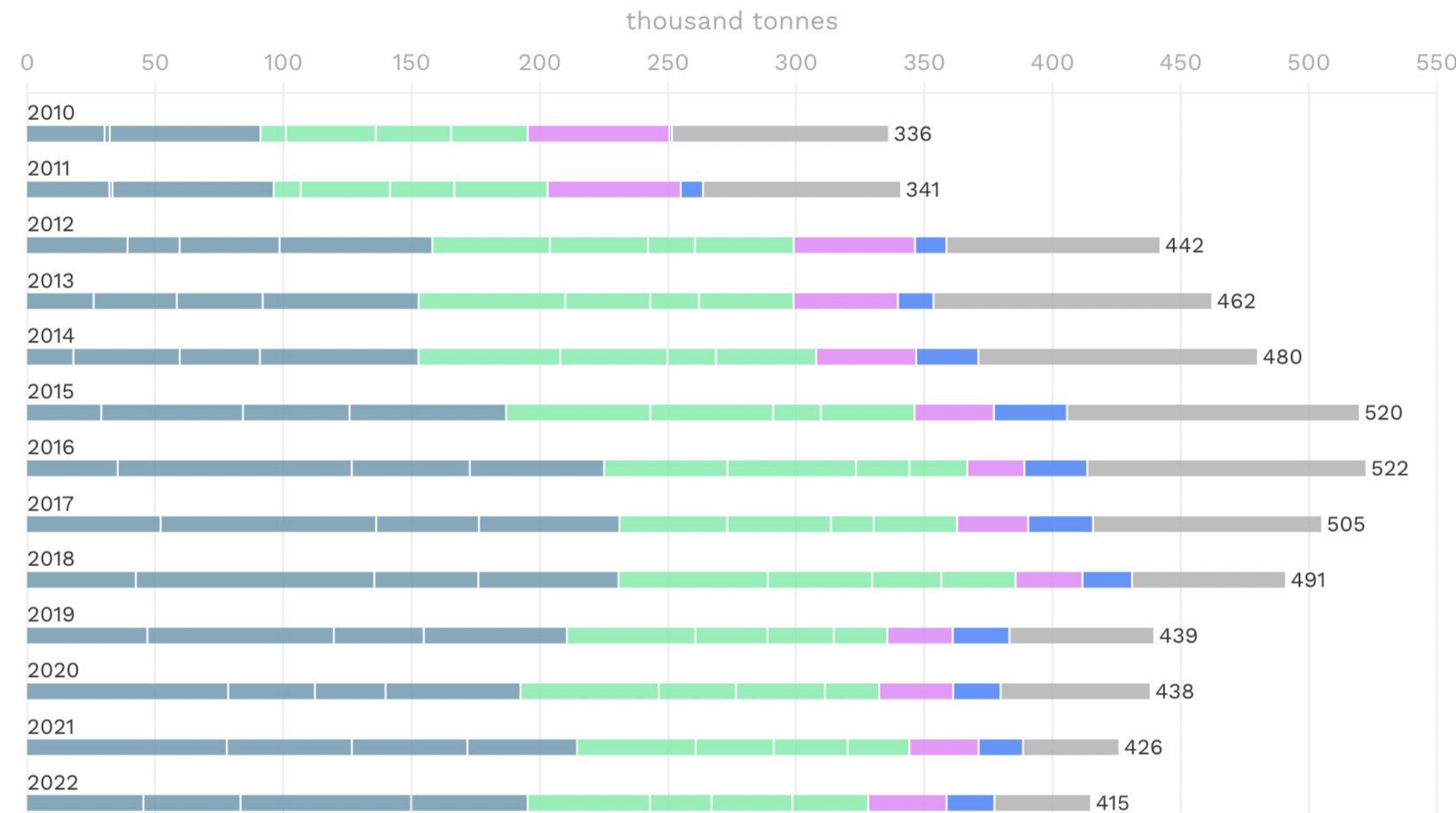


PROJECT DESCRIPTION

- The Instrat coal mining database is the first resource of its kind, with deposit-level open data for all active coal deposits in Poland.
- Established in 2021, the database aggregates annual data, dating back to 2015, on methane emissions, coal extraction, and employment.
- The database identifies the location of each coal deposit, active permits, and the announced decommissioning dates for 68 coal deposits belonging to 33 mines within 12 companies.
- The database contributes to the monitoring of coal phase-out and the implementation of the European Union (EU) Methane Regulations.

Following years of an increase, methane emissions from Polish mines have been slowly decreasing since 2016. Despite that, they still remain very high on European scale.

Methane emissions in hard coal mining from 10 most emission-intensive Polish mines + remaining between 2010-2022 (parent company in brackets, grouped according to colours)



From left: KWK Knurów-Szczygłowie (JSW) KWK Budryk (JSW) KWK Borynia-Zofiówka-Bzie (JSW) KWK Pniówek (JSW) KWK ROW (PGG) KWK Mystowice-Wesoła (PGG) KWK Sośnica (PGG) KWK Ruda (PGG) ZG Brzeszcze (Tauron) PG Silesia (Bumech) Other*

Source: Database of lignite and hard coal mines in Poland, Instrat, based on KOBiZE.
*"Other" contains the difference between the 10 specified mines and the total emissions attributed to entities in the hard coal mining sector, according to KOBiZE. Mainly consisting of mines belonging to SRK



RESULTS ACHIEVED

The database provides:

- Location data, which provides a foundation for methane emission detection and measurement via satellite technology.
- Open access intelligence for developers of mitigation projects.
- A foundation for a proposed pricing system for methane emissions, which is currently being developed at Instrat.

PARTNERS INVOLVED IN PROJECT

- Instrat
- Global Methane Hub
- Poland Ministry of Climate and Environment



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