Actions to reduce domestic heating emissions in the Malopolska Region

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Air quality in Małopolska Region

- The Małopolska Region has some of the poorest air quality in the EU.

- 98% of residents live in areas where WHO standards for PM2.5 and benzo(a)pyrene are exceeded.

- The main cause of air pollution is emission from inefficient old boilers that use solid fuels – mostly coal.

- In Malopolska about 500,000 solid fuel boilers are used.
Air quality in Malopolska Region

PM2.5 [µg/m³]

BaP [ng/m³]
Anti-smog resolution for Krakow was adopted in January 2016.

From 1 September 2019 in Krakow will be effective total ban on using solid fuels (coal and wood) in boilers and space heaters.
City of Krakow offered subsidies up to 100% for solid fuel boiler replacement (2013-2016), 80% in 2017 and 60% in 2018.

In 2013 Krakow introduced additional subsidies for the poorest compensating higher costs of fuel. Subsidies are part of the social care system.
Anti-smog resolution for Malopolska

- Ban on using new solid fuel boilers or space heaters (e.g. fireplaces) which do not comply with ecodesign emission standards.
- Ban on burning coal sludge or wood with moisture content above 20%.
- New boilers have to be equipped with automatic fuel feeding.
Anti-smog resolution for Malopolska

- All **existing boilers** in Malopolska which do not comply with class 3 (EN 303-5:2012) have to be replaced until **31 December 2022** and boilers class 3 and class 4 until 31 December 2026.

- **Space heaters** below ecodesign standard have to be **replaced until 31 December 2022** or equipped in electro-filter.
Anti-smog resolutions in Poland

- In 2017 **seven regions in Poland** adopted anti-smog resolutions: Slaskie, Dolnoslaskie, Mazowieckie, Lodzkie, Wielkopolskie, Opolskie.

- Currently **three other regions** are working on their own resolutions.

- Regional anti-smog resolutions are response to the lack of actions at the national level (no quality standards for coal, before Oct 2017 no emission standards for solid fuel boilers).

   - **Anti-smog resolutions adopted in 2017**
   - **Work in progress, planned in 2018**
Thank you!

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