



**Domestic heating
and the LIFE project
in the Małopolska Region**

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Air quality in Małopolska Region

- **36 out of 50 most polluted cities** in the EU are in Poland and 7 of them in the Małopolska Region.
- **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.



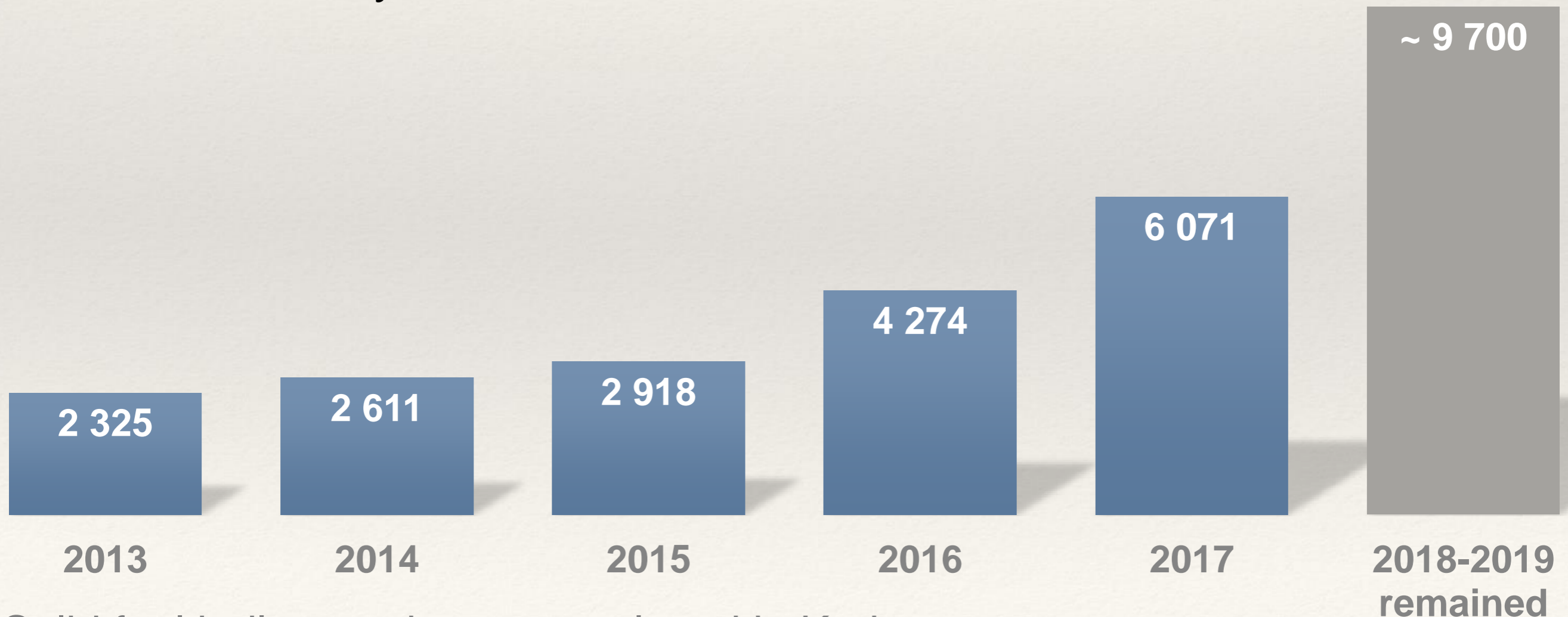
Anti-smog resolution for Krakow

- Anti-smog resolution for Krakow was adopted in **January 2016**.
- As of **1 September 2019** in **Krakow** will be effective **total ban on using solid fuels** (coal and wood) in boilers and space heaters.



Solid fuel boilers replacement in Krakow

- City of Krakow offered **subsidies up to 100%** for solid fuel boiler replacement (2013-2016), 80% in 2017 and 60% in 2018.
- Krakow introduced **additional subsidies for the poorest** compensating **higher costs of fuel**. Subsidies are part of the social care system.



Solid fuel boilers and stoves replaced in Krakow

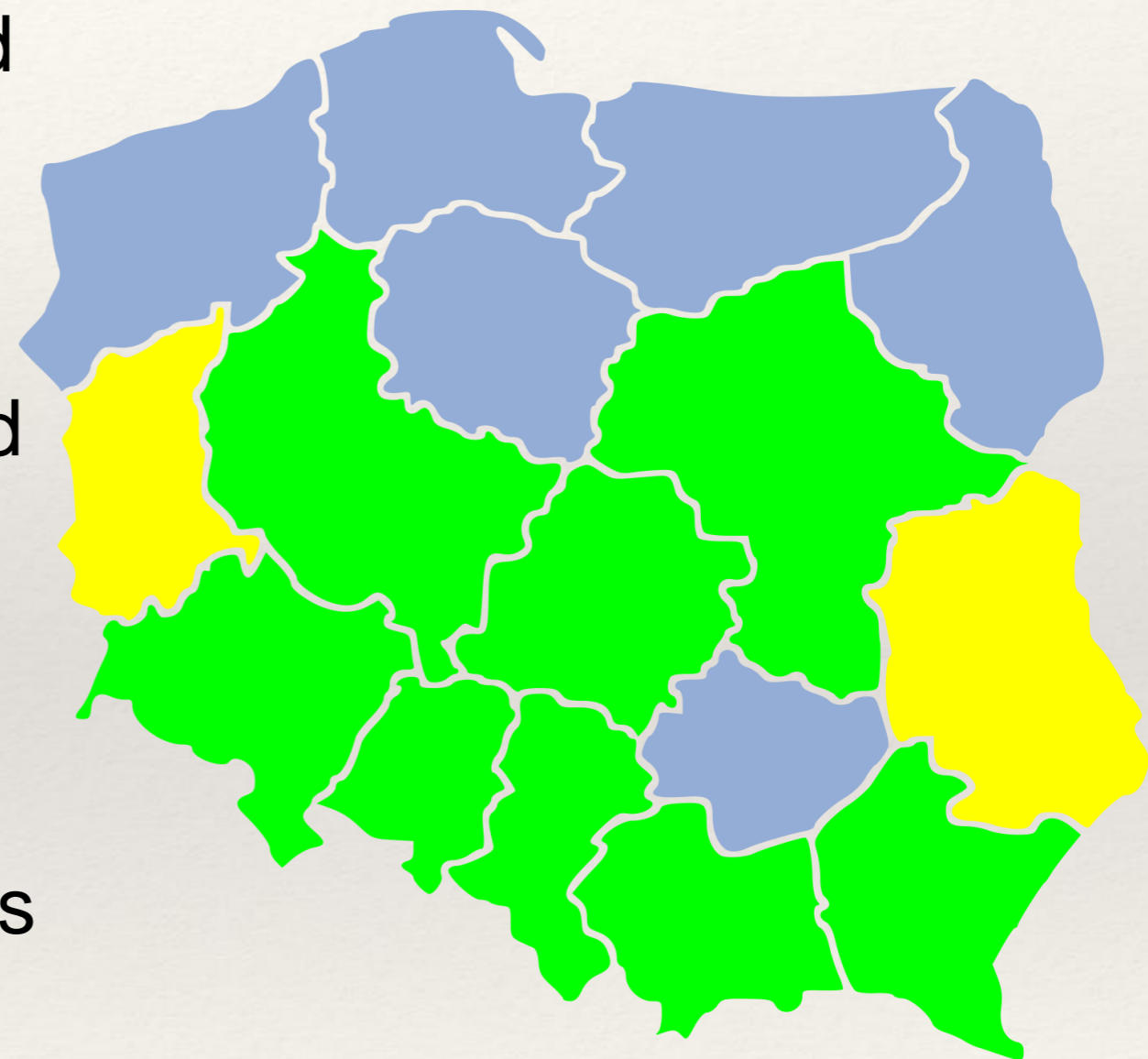
Anti-smog resolution for Malopolska

- Adopted in January 2017. Effective from **1 July 2017**.
- Ban on using **new solid fuel boilers or space heaters** which do not comply with **ecodesign emission standards**.
- Ban on burning **coal sludge** or wood with moisture content above 20%.
- **All existing** boilers and space heaters **have to be replaced** until **2022** (boilers class 3 or 4 until 2026).



Anti-smog resolutions in Poland

- So far **8 regions in Poland** adopted anti-smog resolutions and 2 others are working on them.
- As of **1 October 2017** boilers placed on the market in Poland have to comply with emission class 5 EN 303-5:2012
- There is still lack of quality standards for coal at the national level.



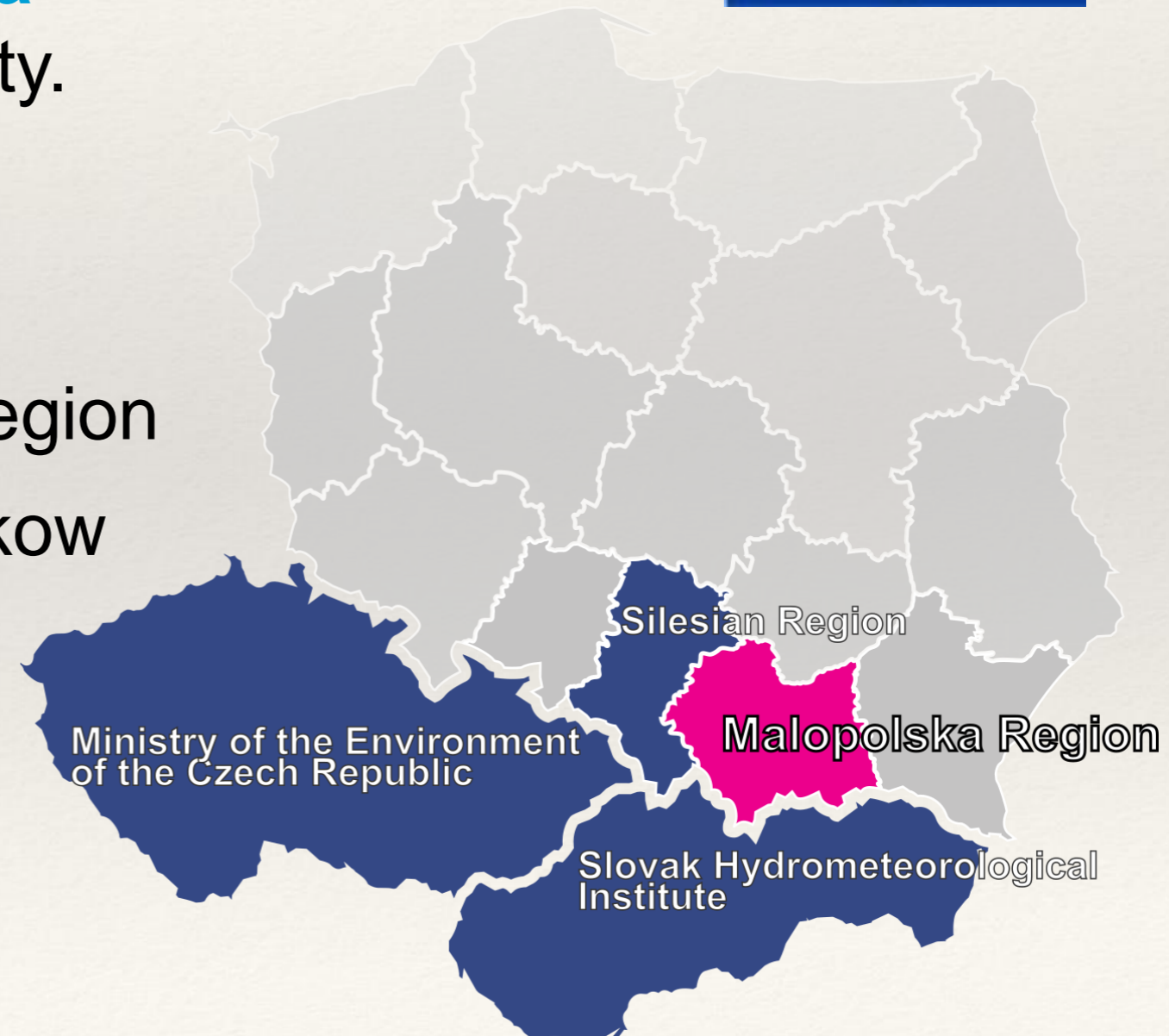
LIFE Integrated Project



- The main objective is to accelerate the implementation of our “**Air Quality Plan for the Małopolska Region**” and to improve air quality.

62 partners:

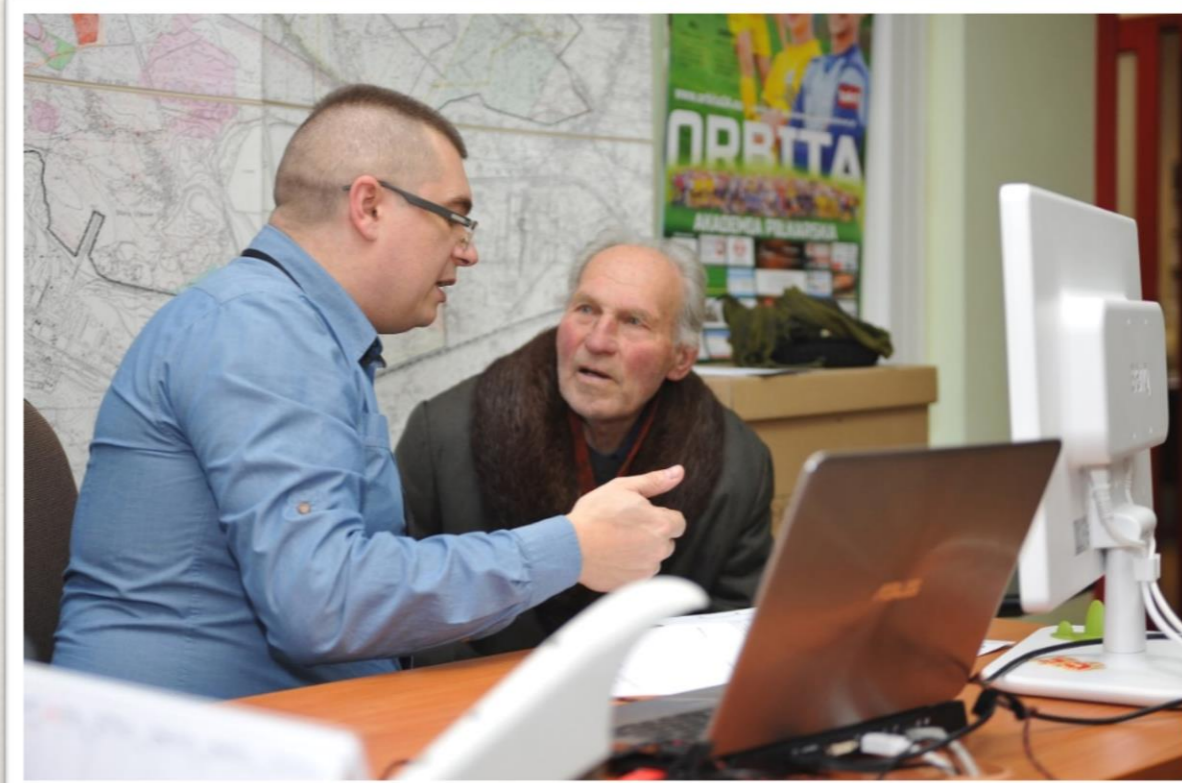
- **Małopolska Region**, Silesian Region
- **55 municipalities** including Krakow
- **Krakow Smog Alert**, KAPE
- **Czech MoE**, Slovak HMI, VITO



Ecomanagers

First **18 months** of **60 Ecomanagers**:

- Help and advice for **270,000 residents** (in the office, site visits).
- Organization of **3,200 meetings** with a total of **120,000 participants**.



Ecomanagers


- Thermal imaging surveys for **2,200 buildings**.
- **2,600 inspections** to prevent waste burning.
- Requested additional funding **€ 120M** for emission reducing investments.




Thank you!



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