

Achievements and challenges in reducing emissions from domestic heating

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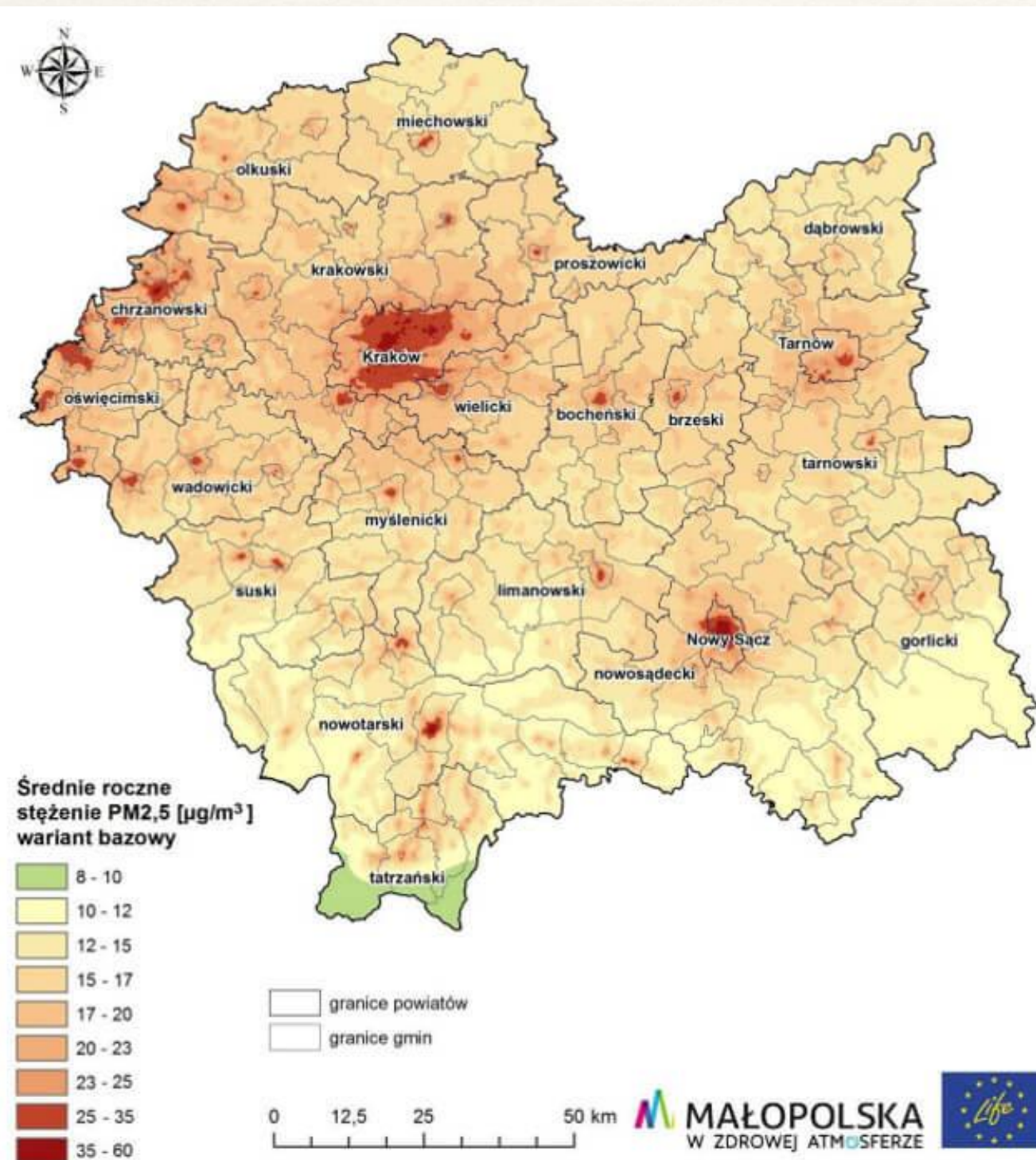
Air quality in Małopolska Region

- **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 Małopolska about **500,000** solid fuel boilers are used.

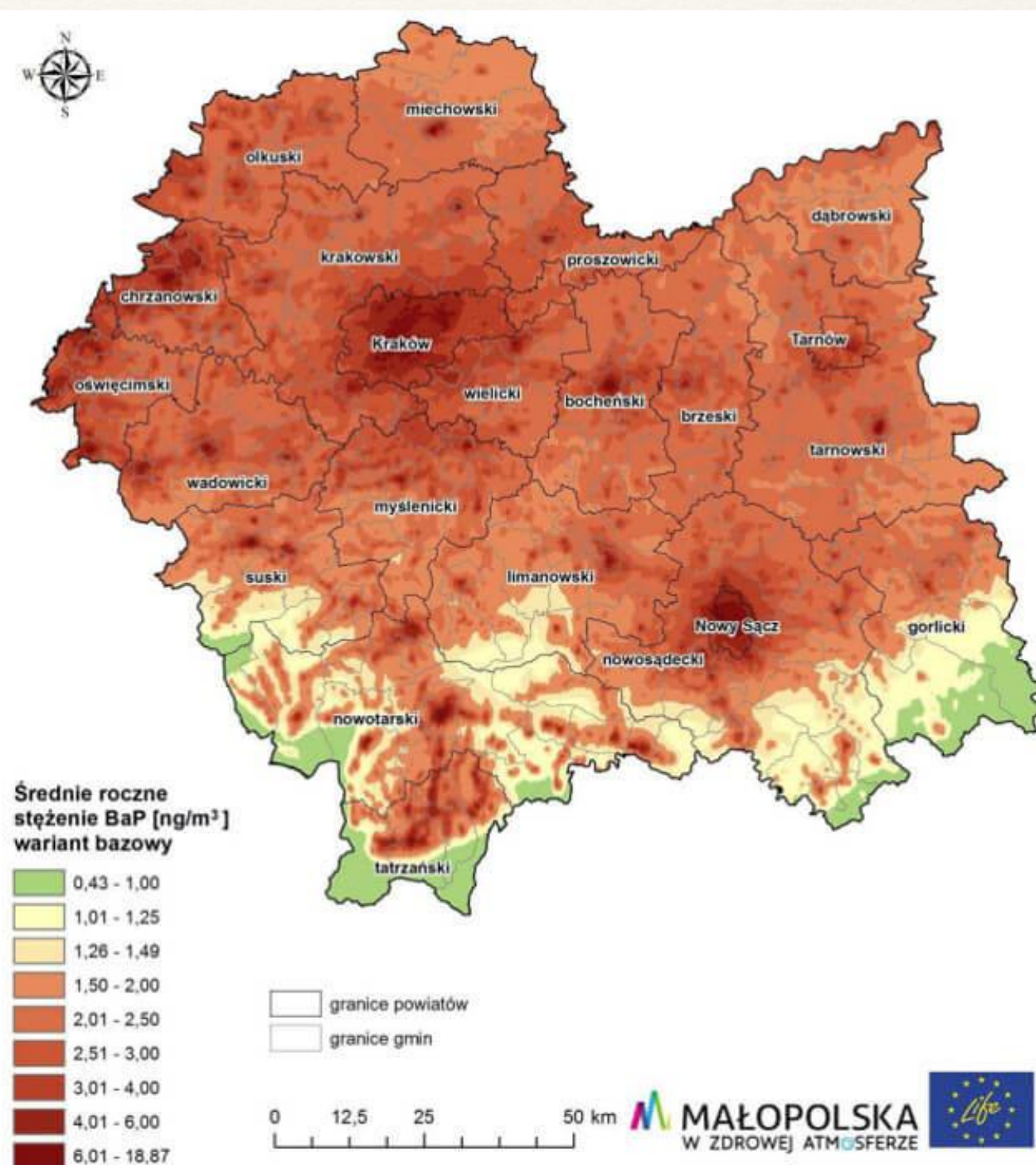


Air quality in Malopolska Region

PM2.5 [$\mu\text{g}/\text{m}^3$]



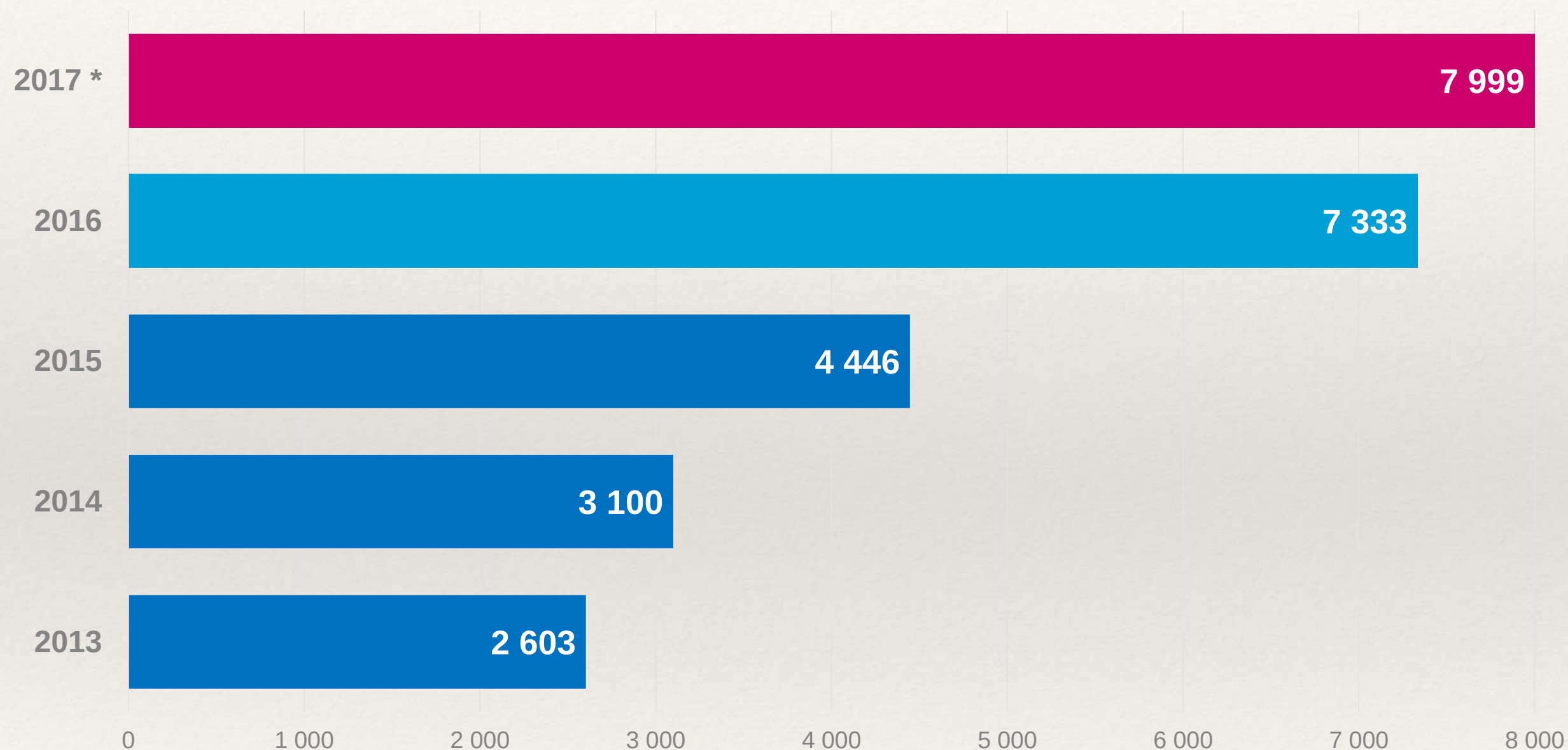
BaP [ng/m^3]



Activities to reduce domestic heating emissions in Malopolska

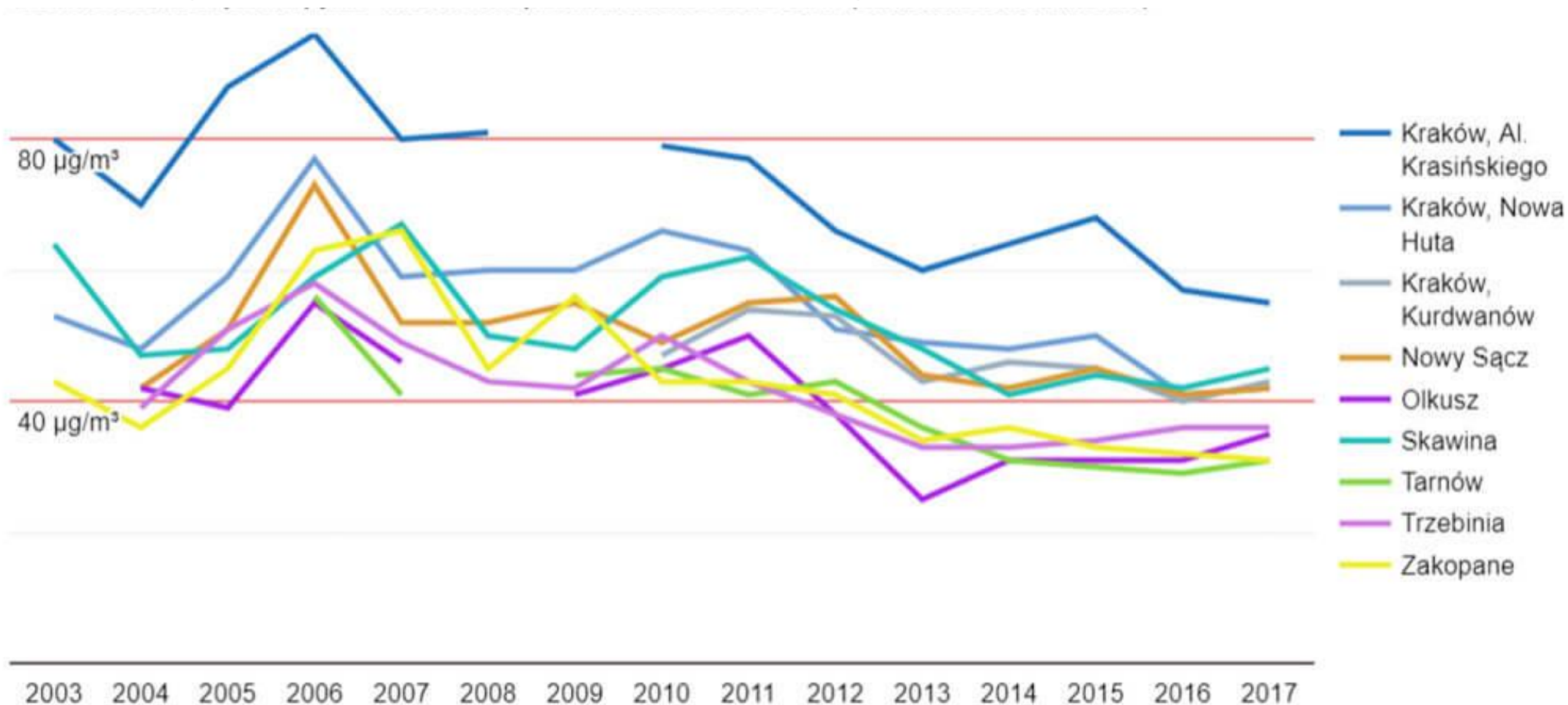
- Air quality plan for the Malopolska Region.
- Anti-smog resolutions for Krakow and Malopolska Region.
- LIFE integrated project supporting AQP implementation.

Number of solid fuel boilers replaced in the Malopolska Region



Trend of slow improvement of air quality in Malopolska

Annual average of PM10 concentrations in Malopolska Region in years 2003-2017



Thank you!



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