



Implementation of the Air Quality Plan for Małopolska Region – Małopolska in a healthy atmosphere

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Małopolska Region

- Population of **3.4M** – 4th largest region in Poland
- The regional capital is **Kraków**
- The most popular tourist area in Poland, **15M tourists** per year (with 3M foreigners)



Air quality

- 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.



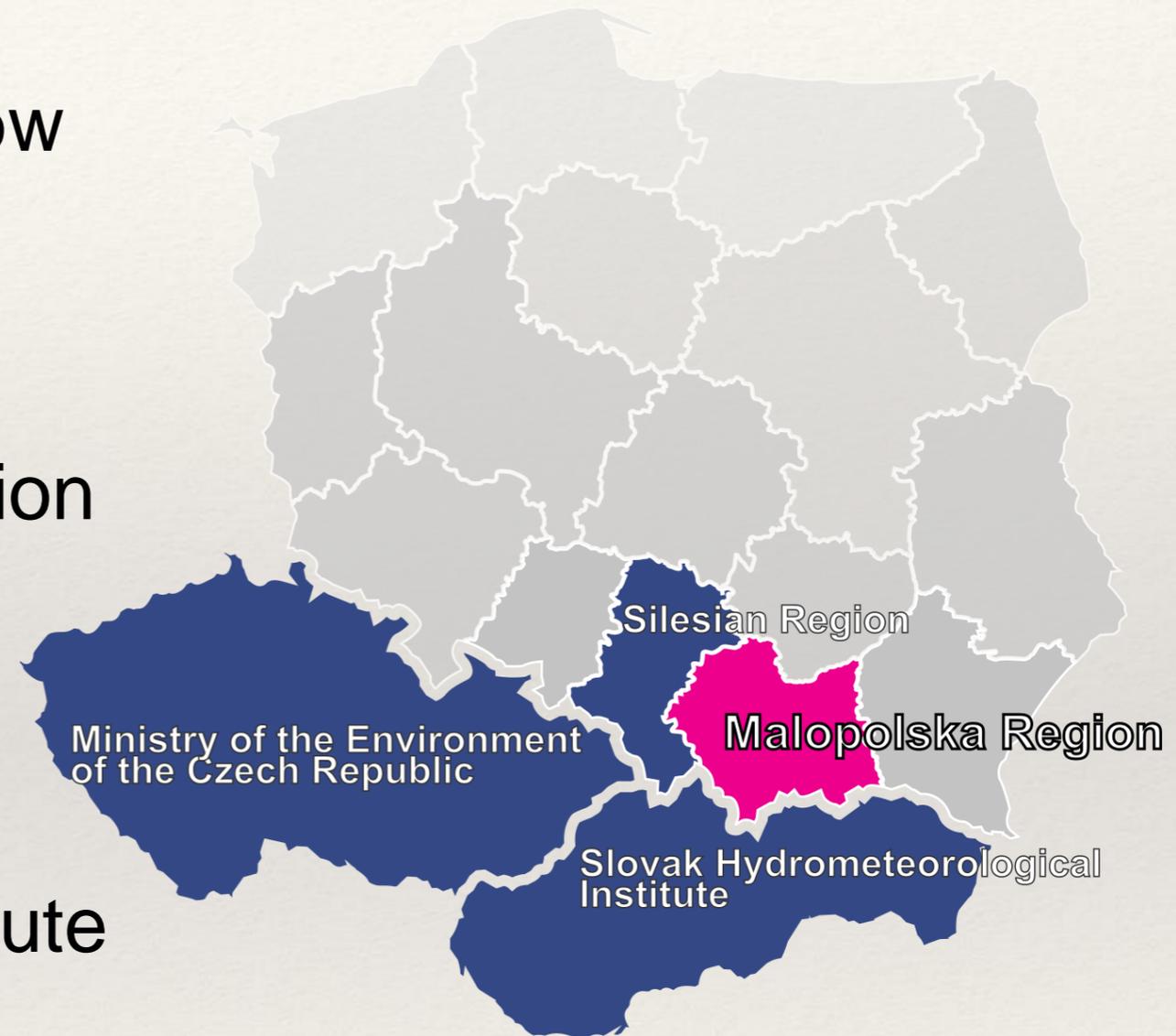
LIFE Integrated Project

- The main objective is to accelerate the implementation of our “**Air Quality Plan for the Małopolska Region**” and to improve air quality.
- Budget: **€16.8M**
- Additional actions: **€800M**
- Duration: **Oct 2015 – Dec 2023**



62 partners of the project

- **Małopolska Region** (coordinator)
- **55 municipalities** including Kraków
- Silesian Region
- **Krakow Smog Alert** (NGO)
- Polish National Energy Conservation Agency
- Ministry of the Environment of the **Czech Republic**
- **Slovak** Hydrometeorological Institute
- VITO NV Institute from Belgium



Anti-smog regulations

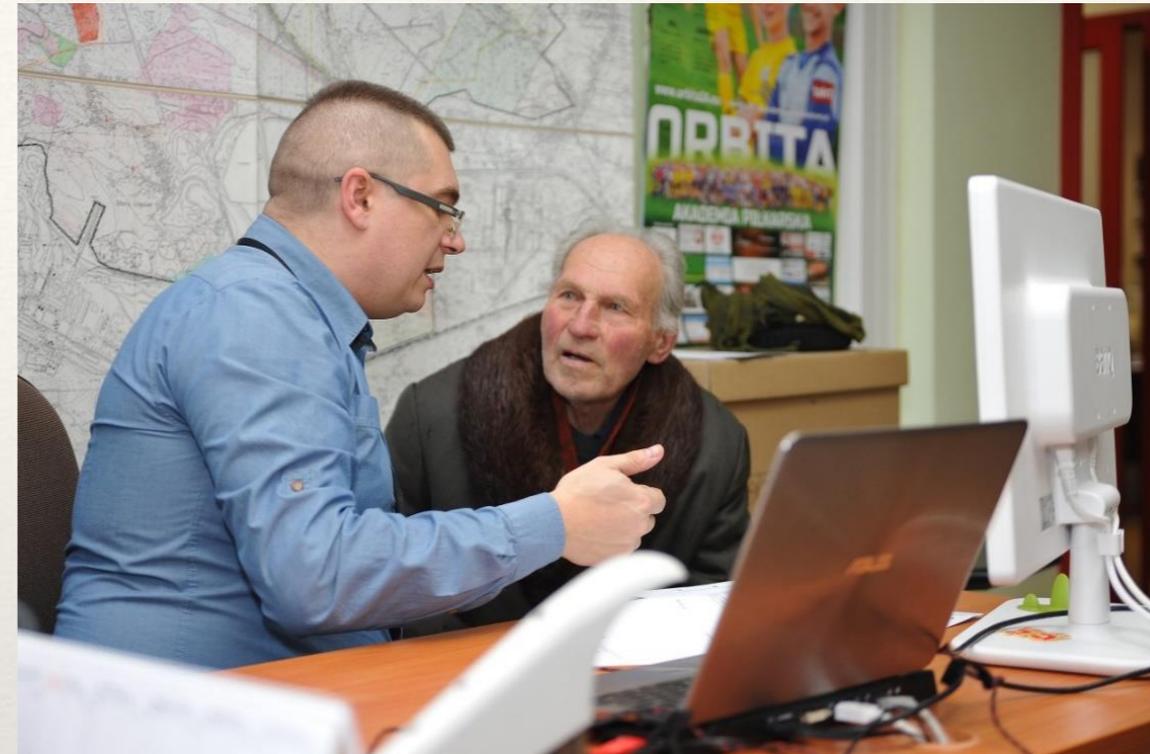
- A **solid fuel ban** in Kraków - adopted on 15 January 2016, effective from **1 September 2019**.
- **Ecodesign standards** for all boilers, stoves and fireplaces for the whole region - adopted on 23 January 2017, effective from **1 June 2017** (new devices) and from **2023** (existing).
- Similar regulation was adopted for Silesian Region on 7 April 2017 and **6 other regions** are working on it.



Ecomanagers (1)

First 8 months of 60 Ecomanagers:

- Help and advice for **85,000 residents** (in the office, on site visits, by phone and email).
- Organization of **500 meetings** for residents with a total of **10,000 participants**.
- A total of **250 lectures** in schools involving **12,000 children**.



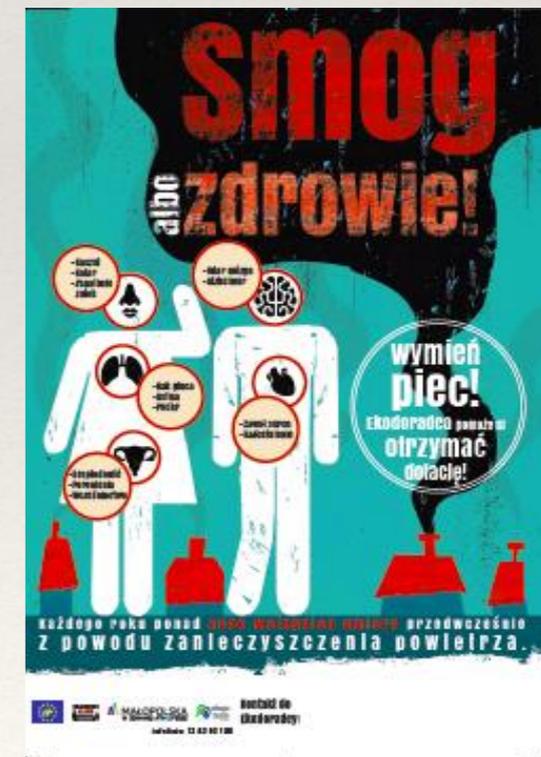
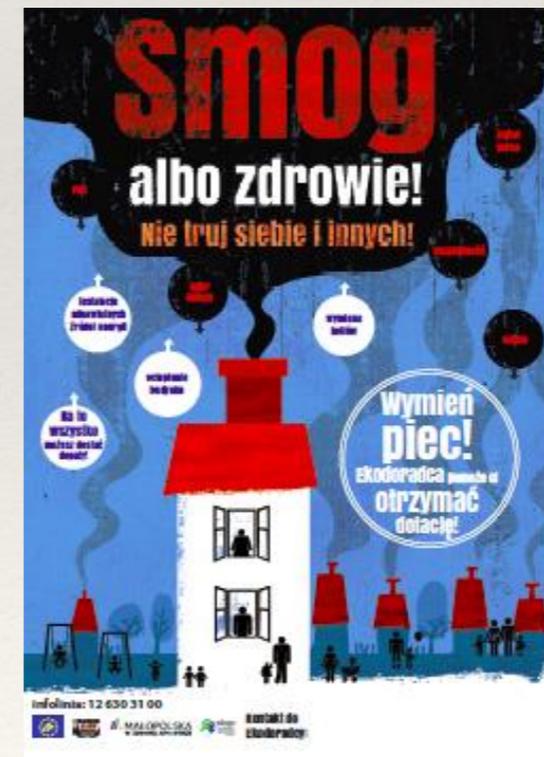
Ecomanagers (2)

- Thermal imaging surveys for **1,000 private and public buildings.**
- **150 applications** prepared for co-financing of the replacement of solid fuel boilers, thermo-modernization of buildings or installation of renewable energy sources for the total **€50M.**



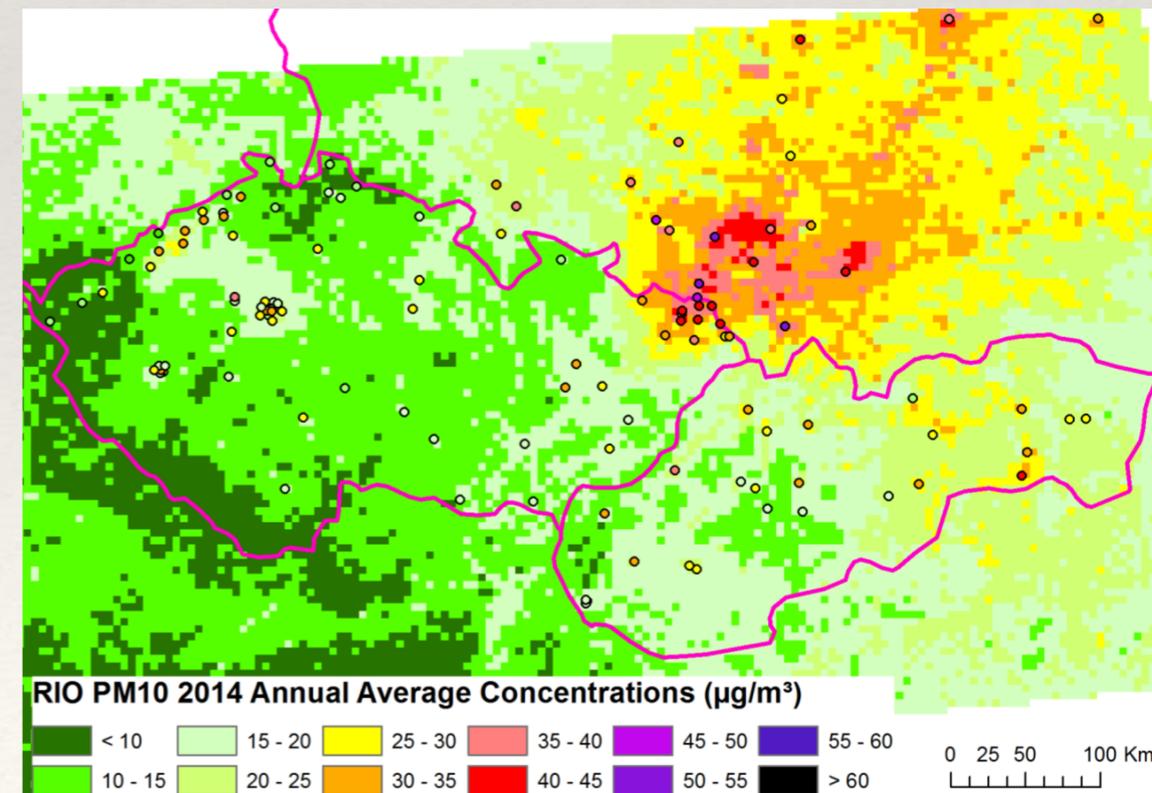
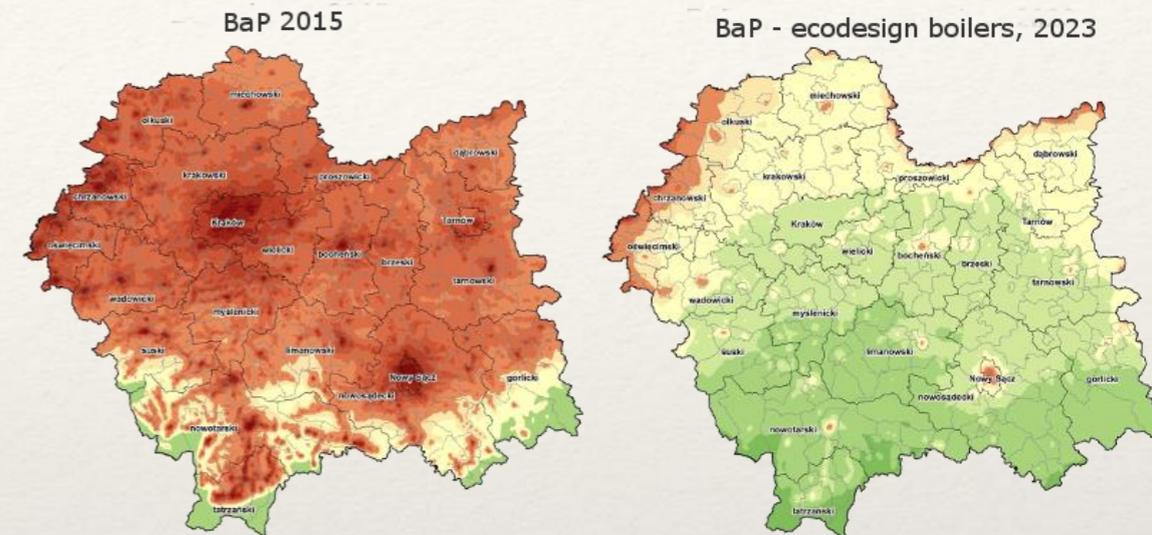
Education and cooperation

- Widely discussed and powerful regional campaign to **increase awareness** that smoke causes diseases and death.
- Cooperation with local groups (grants for **educational campaigns**) and NGOs in Poland and CEE.
- **Exchange of experiences** with other regions in Poland and CEE.



Air quality modeling

- Analysis of **emission reduction scenarios** – used for updating of the Air Quality Plan.
- **Emissions database** and regional modeling for the Małopolska, Silesia, Czech Republic and Slovakia.
- Implementation of **high resolution modeling** for Kraków to evaluate the impact of transport on air quality.



Benefits of the LIFE IP

- About **100 green jobs** created - employees working on implementation of Air Quality Plan.
- **Capacity building** in municipalities, increase of knowledge, exchange of experiences at local, regional and international level.
- The increase of **public awareness** about the need to improve air quality.
- Support for **additional actions**: replacing coal boilers, thermal renovation of buildings and sustainable urban transport.

Thank you!



Save the date: **27 November 2017**
Global Clean Air Summit in Krakow / www.gcas.pl

LIFE-IP MALOPOLSKA

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