



The Educational Antismog Network

The average annual carcinogenic concentration of benzo (a) pyrene

ng/m³

< 0.12

0.6-1

0.12-0.4

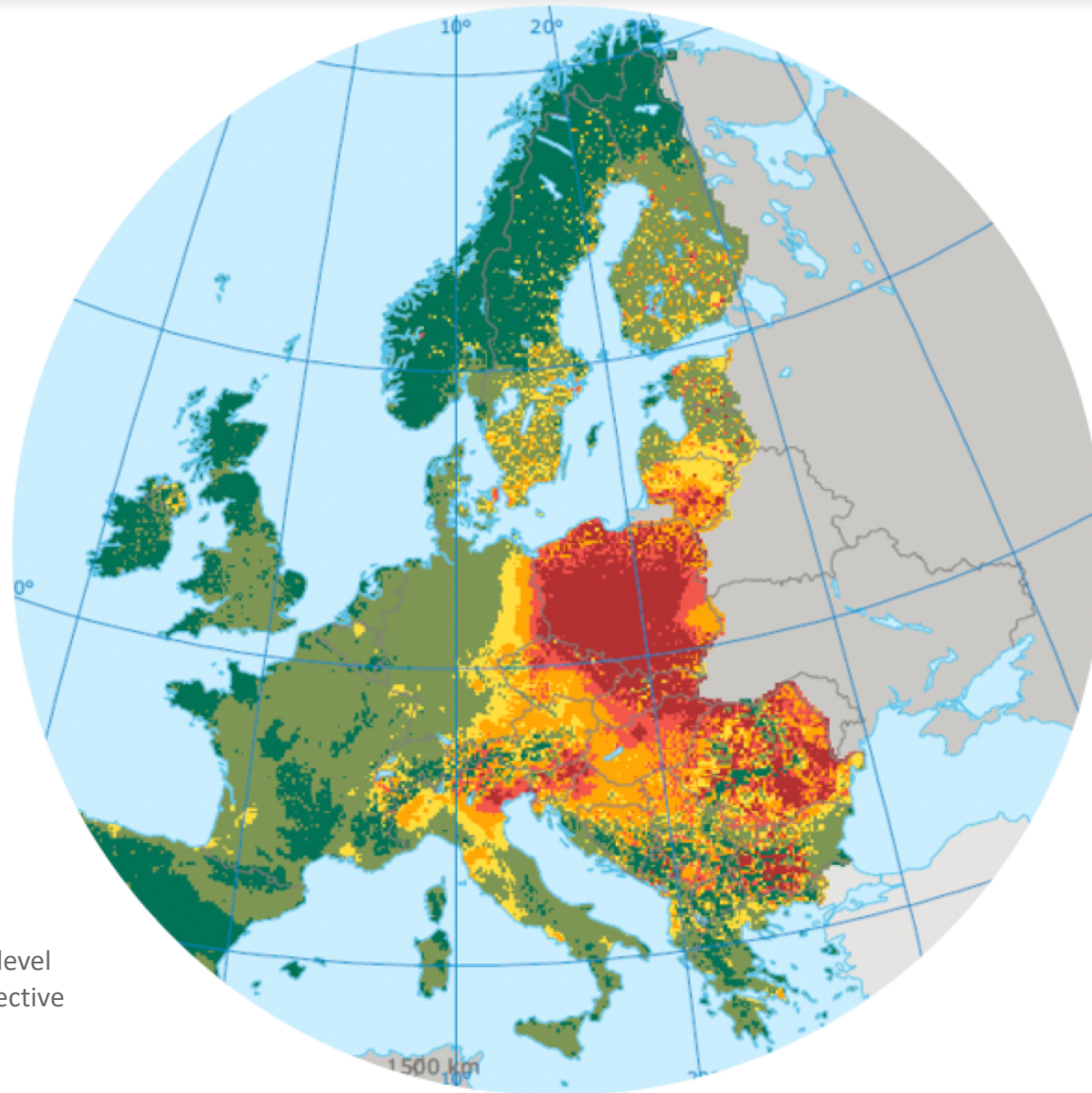
1-1.5

0.4-0.6

> 1.5

Notes: Dark green areas correspond to concentrations under the estimated reference level (0,12ng/m³). Dark red areas correspond to concentrations exceeding the 2004 AQ Directive target value of 1 ng/m³. 2012 year.

Source: FTC/ACM, 2015b



**The Educational Antismog Network is
an information program for clean air**

Goals of the project: to promote knowledge about the importance of clean air for health and the impact of everyday activities on its quality.

Target groups:

- ❖ school community (children and youths, teachers, parents),
- ❖ local society (residents).

1. MEASUREMENTS

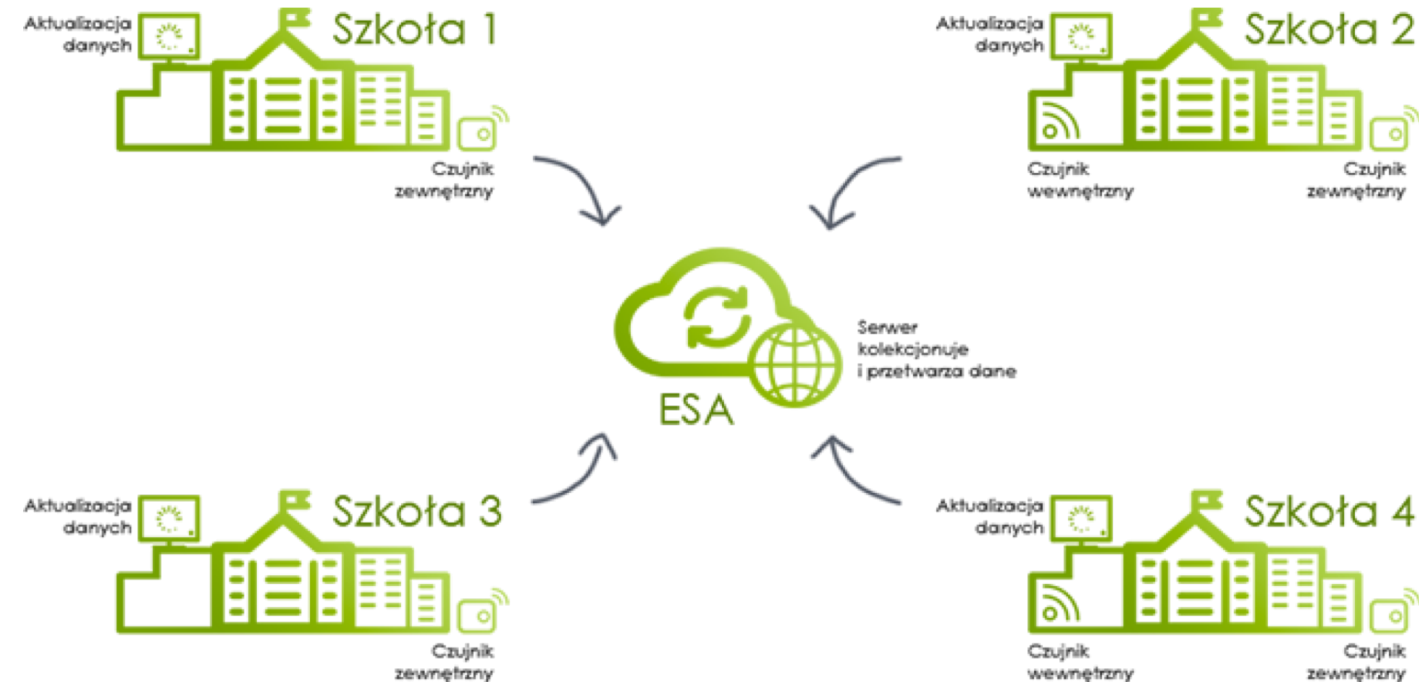
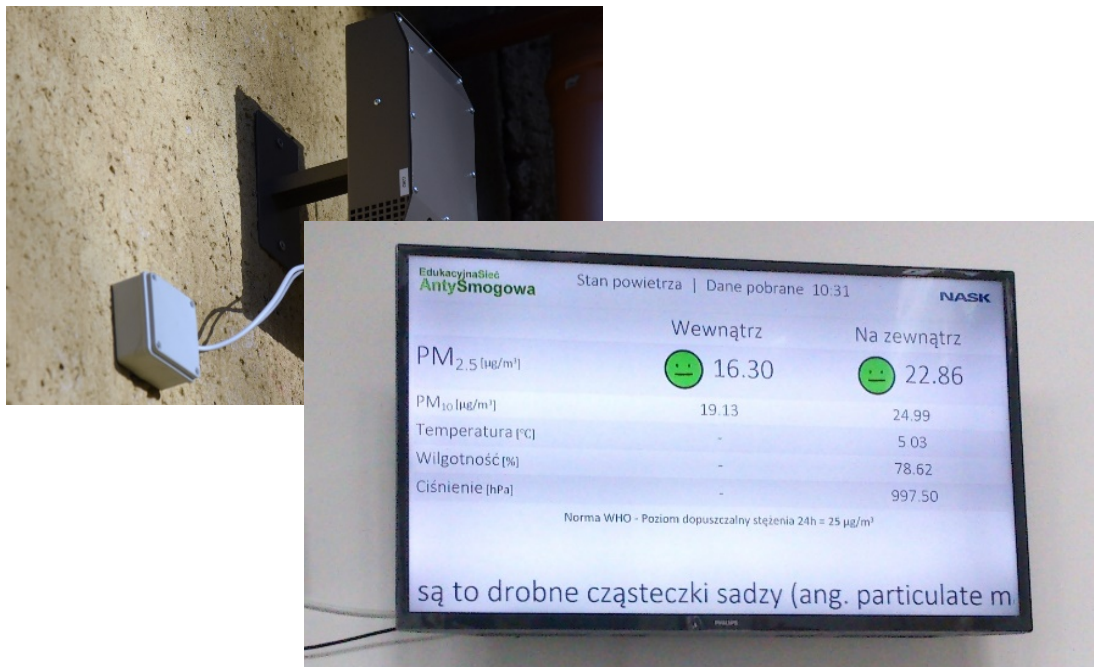


2. EDUCATION



1. MEASUREMENTS SYSTEM:

- ❖ a pollution meter (outside or inside the school),
- ❖ an information monitor (inside the school),
- ❖ a computer.

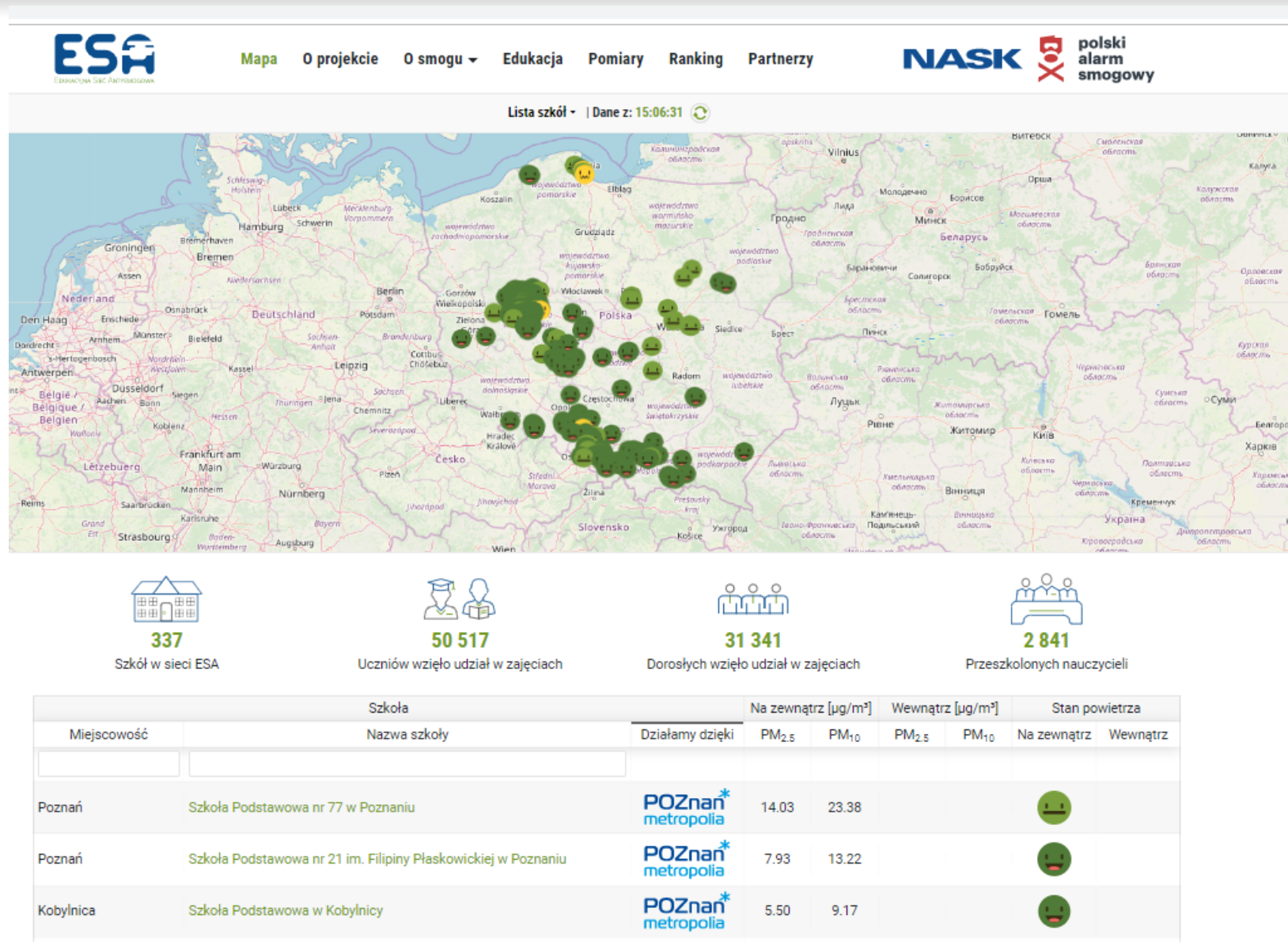
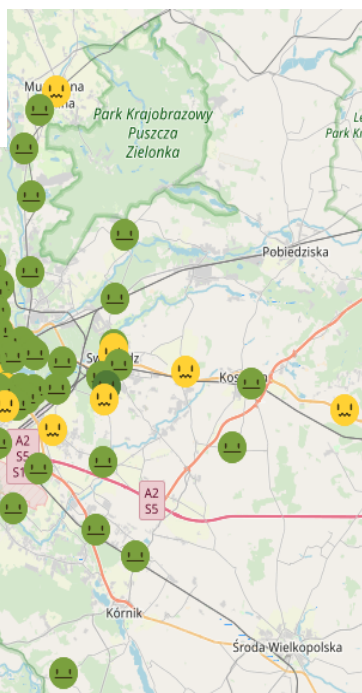


Parameters:

- ❖ PM2.5, PM10 dust concentration inside the school,
- ❖ PM2.5, PM10 dust concentration outside the school,
- ❖ air temperature outside the school,
- ❖ atmospheric pressure outside the school,
- ❖ air humidity outside the school.

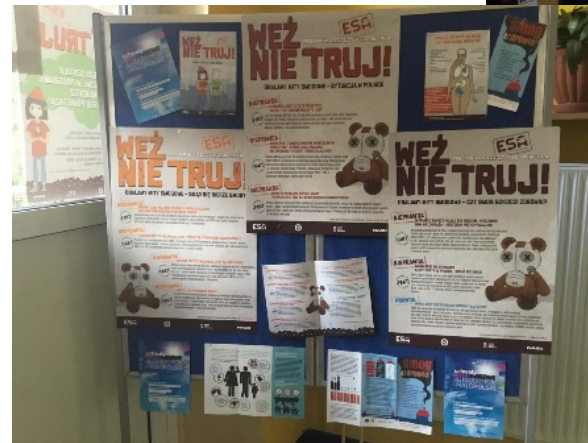
1. MEASUREMENTS – WEBSITE

www.esa.nask.pl



2. EDUCATION – GOALS:

- ❖ increasing awareness concerning smog,
- ❖ increasing knowledge and skills in the area of the antismog education,
- ❖ integration of the educational environment, establishing new contacts and exchanging positive experiences from the educational process.

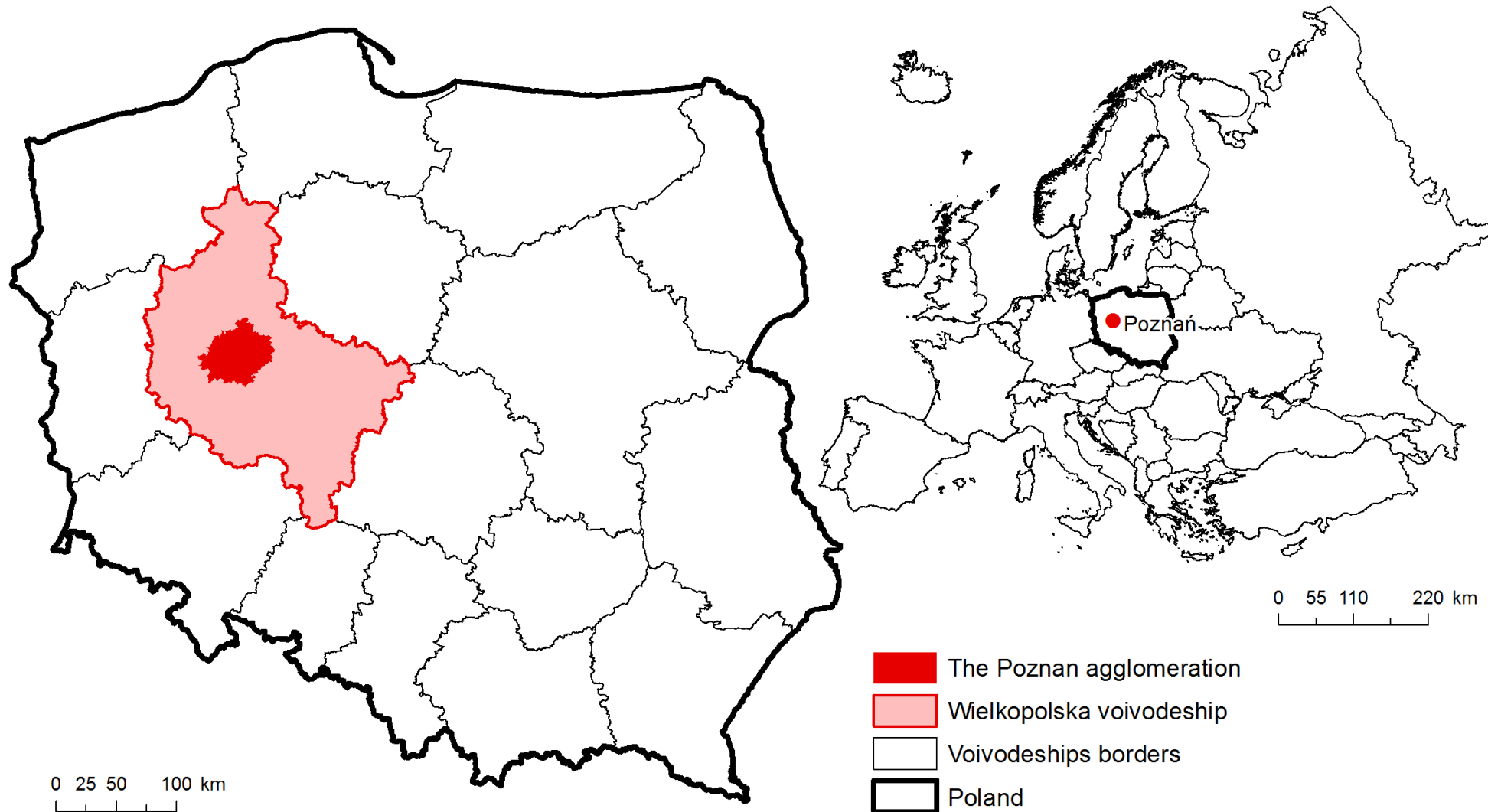


2. EDUCATION – METHODS:

- ❖ work cards for children and youths,
- ❖ presentation at parent-teacher meetings,
- ❖ poster action in the city,
- ❖ quiz for children and parents,
- ❖ meetings with the local community.



The Educational Antismog Network in Poznań Metropolitan Area



CO-CREATION TEAM

#25latNASK

Scientific Academic Computer
Network
(Research Institute supervised by the
Ministry of Digitization)



National Fund for Environmental
Protection and Water

POZnan*
metropolitan area

Local governments



polski
alarm
smogowy

Polish Smog Alert



Ministerstwo
Cyfryzacji

Ministry of Digitization



SYNGEOS
Global Innovative Solutions

Contractors

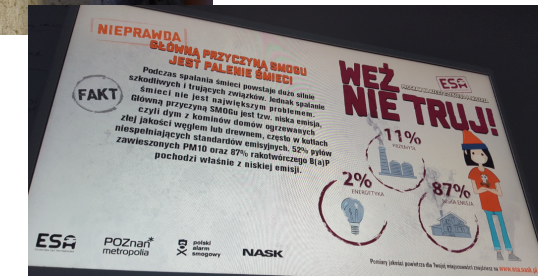
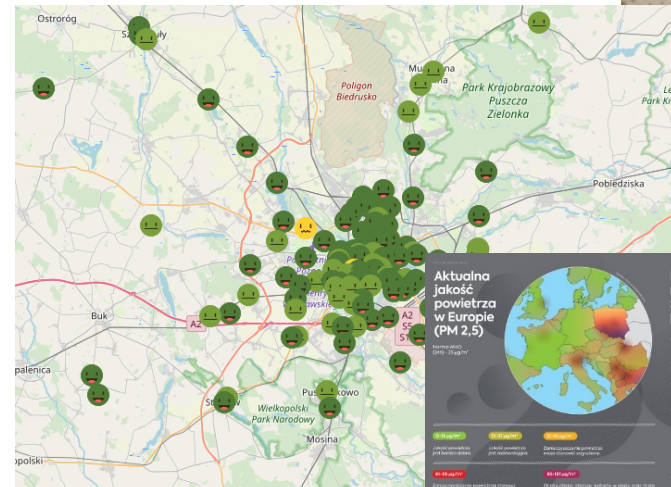
The role of Poznań Metropolitan Association in ESA:

- ❖ financing the project,
- ❖ cooperating with NASK, which maintains the portal and conducts education,
- ❖ organising tender for the selection of a contractor,
- ❖ cooperating with schools,
- ❖ conducting an information campaign.

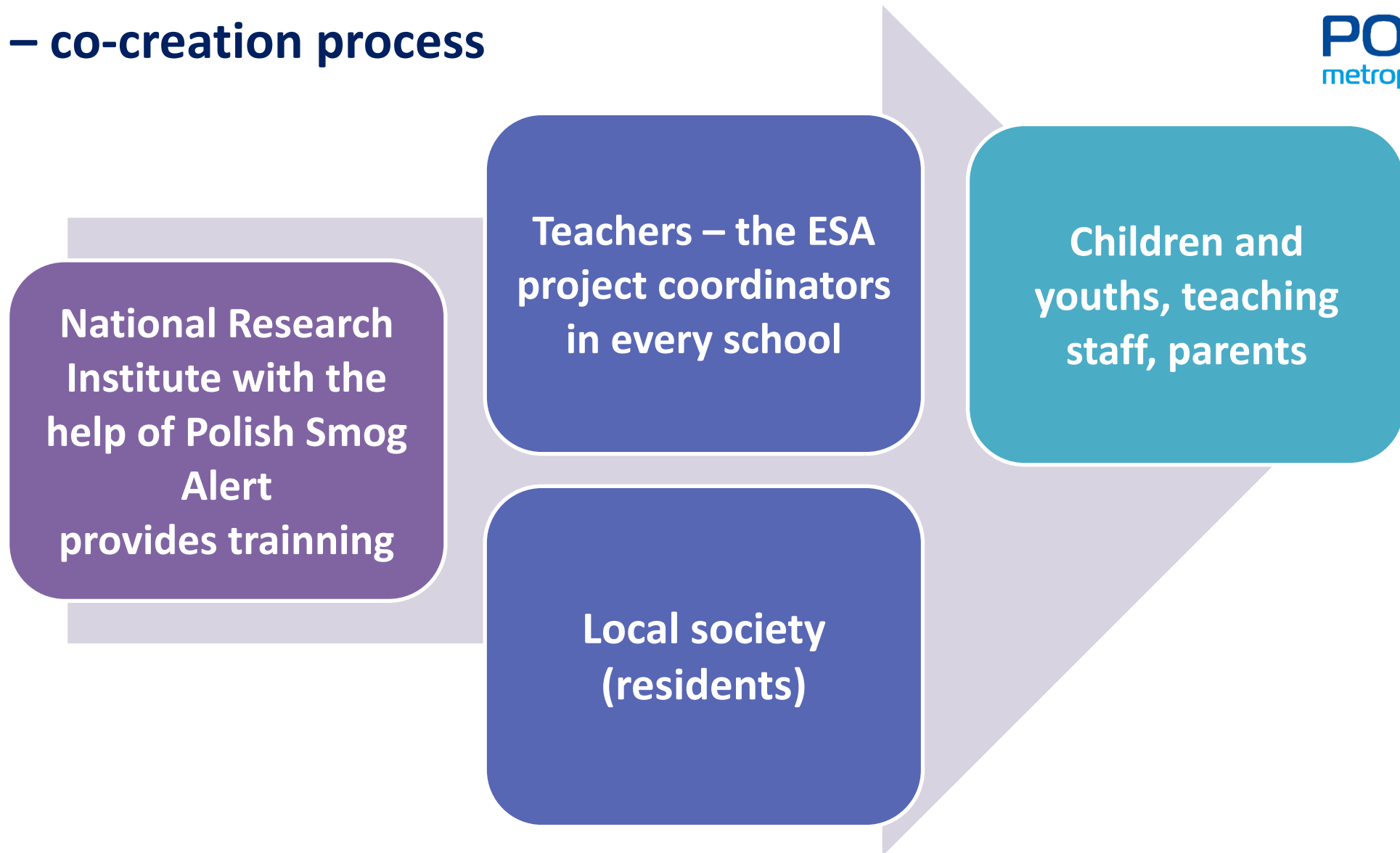


The scope of the project:

- ❖ **installation of 200 metres** and information screens in all primary schools in Poznań Metropolitan Area,
- ❖ **education of the school community** (teachers and children) and **local community** in the field of air pollution :
 - training for teacher-coordinators,
 - classes for students,
 - education with parents,
 - workshops with residents.



Education – co-creation process



The statistics

	School children	Parents	Teachers
Poznań Metropolitan Area (suburbs)	17 439	6 829	1 096
The City of Poznań (the core city)	19 050	8 226	1 496
In total	36 489	15 055	2 592
In total 54 136 persons *			

School children:

These are school children from three educational stages (1-3, 4-6, 7-8) with whom the classes on SMOG were conducted. The classes were carried out on the basis of educational materials prepared by the NASK.

Parents:

Parents who participated in parent-teacher meetings during which a teacher presented specially prepared educational material (2 video clips and a presentation).

Teachers:

The number consists of teachers who have participated in workshops, as well as those who have been trained in schools by the participants of the workshops.

In addition – over **4,000 parents have finished the Quiz.**

Good practices

Co-creation

- Workshops with experts in the field of air quality
- The teacher-coordinators in schools and their activities

Technical

- Development of an exemplary standard of sensors
- Increasing the accuracy of air quality measurement

Others

- Increasing the activity of municipal authorities in the area of tackling smog
- Coordination of antismog actions on a metropolitan level

Barriers in co-creation process

Technical

Technical problems related to the choice of meters

Technical problems related to calibration of sensor data with the NASK network

Others

Residents' lack of interest in the the workshops

The reluctance of some teachers to conduct classes

Plans for the future

Schools

Smog awareness lessons for children in every heating period

Research and analysis by children and youths in schools using archival data

NASK

Analysis of the residents' awareness of the smog

Data-based development-relevant statistics published online

Development of the concept of a scalable educational program in a nationwide formula

Local governments

Further activities made by local authorities in the field of tackling smog

Cooperation with other partners in the field of air protection

Thank you for the attention

Sylwia Ciesiółka

Poznań Metropolitan Association

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