



# **AirGE: CITIZEN MONITORING FOR FRESH AIR IN GEORGIA**

**Martin Skalský, Arnika (Czech Republic)  
Tbilisi, June 2023**



**MY CITY KILLS ME**

**TRANSITION**

Ministry of Foreign Affairs of the Czech Republic

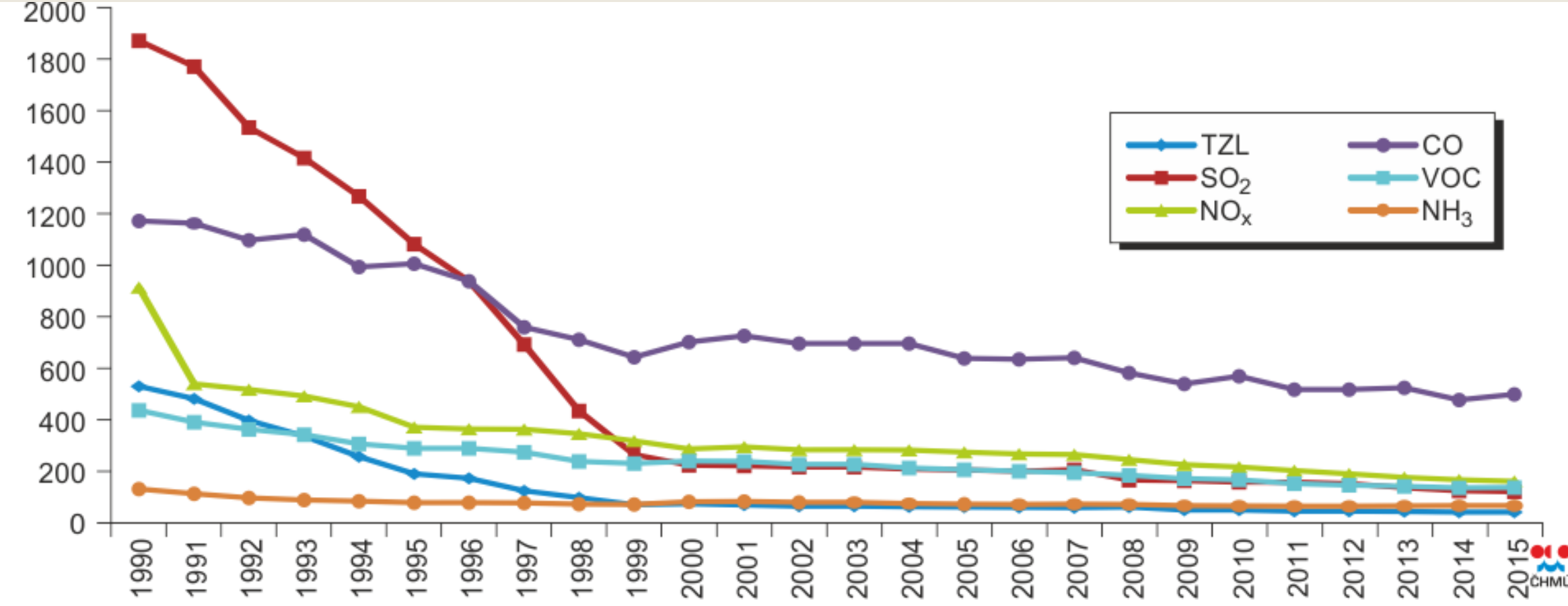
# Air pollution in Georgia: situation

- **Ankara, Skopje, Tbilisi: the most polluted in Europe**
- **Almost 4 thousand premature deaths annually**
- **Pollution levels 3x higher than safe limits**

*(WHO Air quality database 2022)*

# CZ: Air pollution 1990-2015

*in kilotons (millions of kg)*



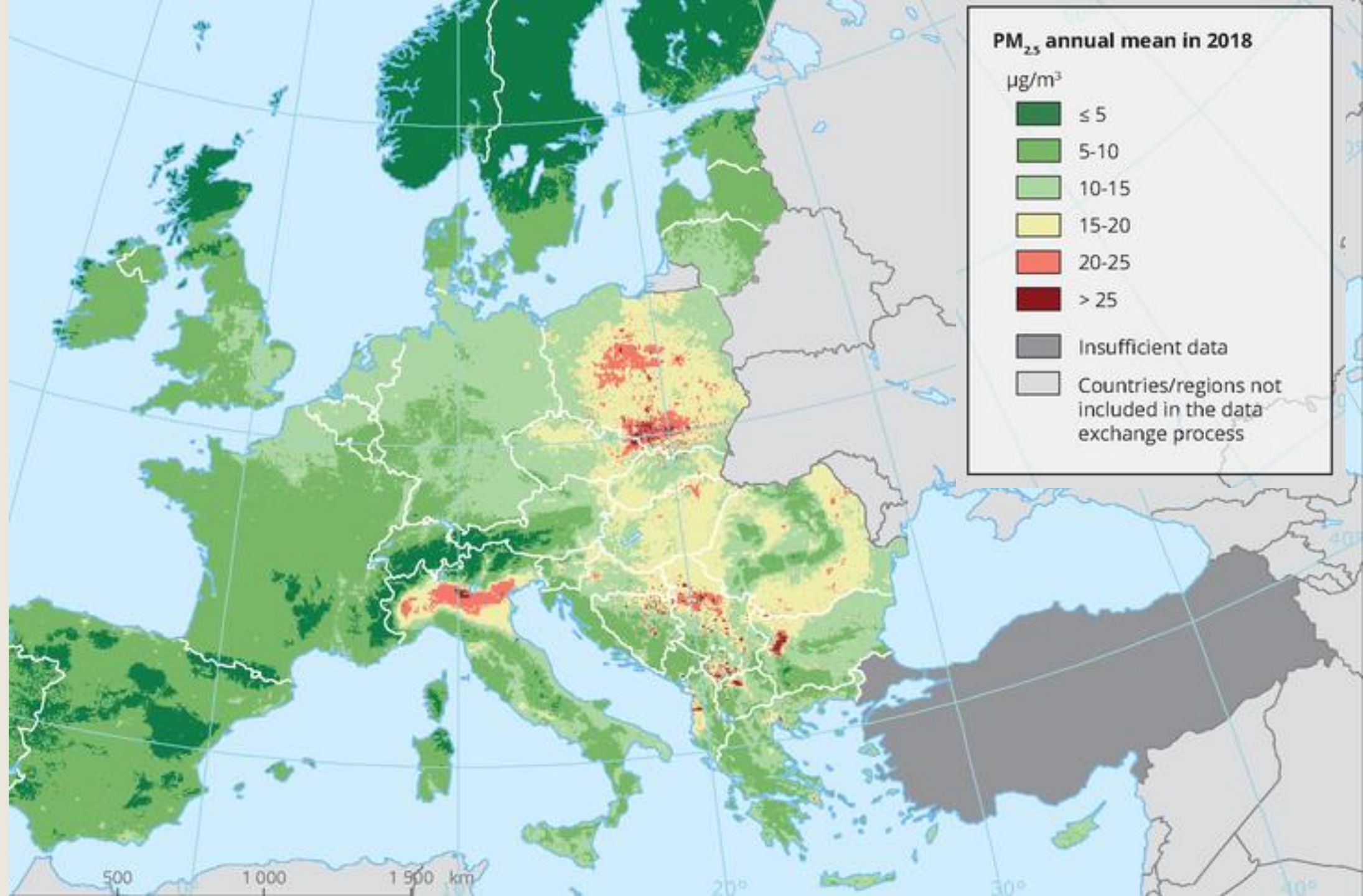
# CZ: Air pollution protests

1989



2010

# Europe: PM<sub>10</sub> in 2018



# Air pollution in Georgia

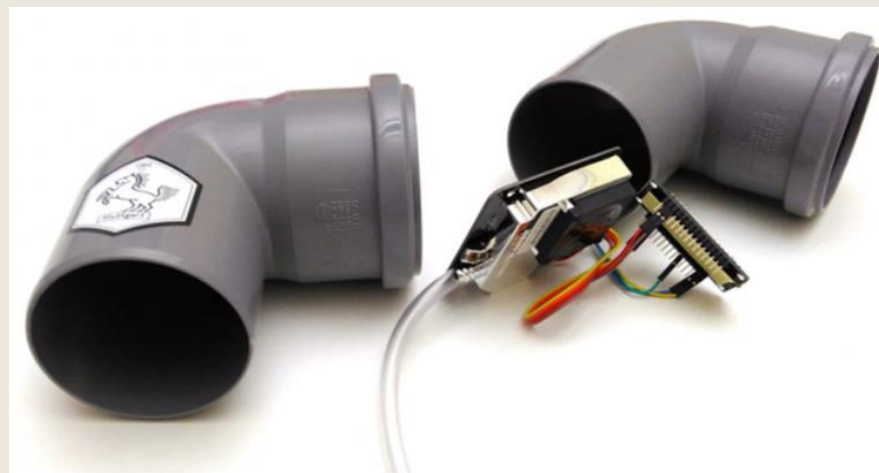
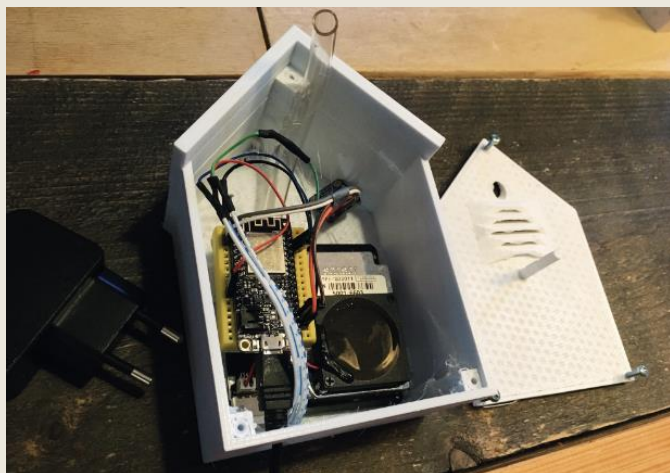
## Success:

- 1999: Ambient Air Quality Act
- Regional action plans
- Basic air pollution monitoring network
- Data available online

## Obstacles:

- 1 Sparse state air quality monitoring network
- 2 Gaps in the policy
- 3 Weak law enforcement and policy implementation

# Citizen science and air pollution



World

Europe

North America

South America

Africa

Asia

Oceania

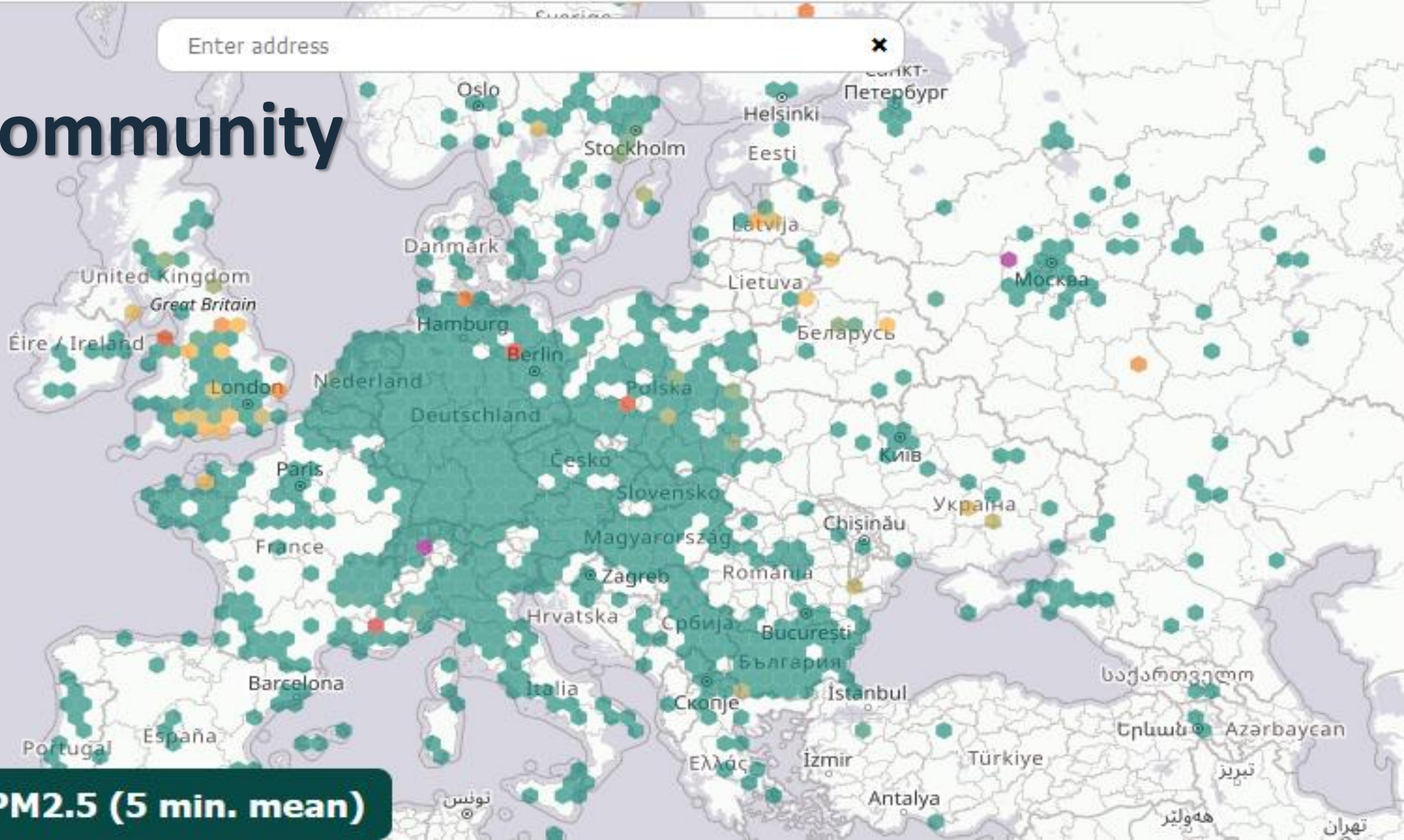
Last update 18.06.2023 20:41

11523 visible sensors out of 11852

Measurements by **Sensor.Community** contributors

Enter address

# Sensor Community



**PM2.5 (5 min. mean)**



EcoCity (Ukraine)



# AirMQ (Belarus)





# Tbilisi – Rustavi – Chiatura - Zestaponi





*Fresh air is our right!*

Thank you for your attention!

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[arnika.org/en/countries/georgia](http://arnika.org/en/countries/georgia)

[greenpole.org](http://greenpole.org)



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