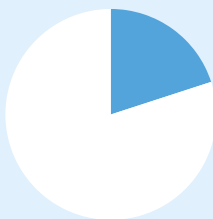


Goals

IMPROVING URBAN AIR QUALITY

20%

reduction in
poor air
quality days



1,07
million citizens
benefited

684

km2 of land



IA
advanced
technology



Pioneering project in advanced
air-quality forecasting



SCAN ME

This project is part of the LIFE programme, supported by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



Co-funded by
the European Union



Collaborative Local and regional
Efforts And predictive models
for Air quality Improvement and
Resilience



INNOVENCE

EUROVÉRTICE



UDINE

rzeszów
stolica innowacji

PODKARPACKIE
infinite possibilities

SOGESCA
Sustainable Development

CASCAIS Para toda
a vida

The project

BEYOND EUROPEAN REGULATIONS

Anticipating pollution to protect health



LIFE CLEAN-AIR adopts a preventive approach, proactively implementing measures to safeguard public health before pollution reaches critical levels.



The project is coordinated by INVERENCE (ES) and seeks to prevent cities from being forced to activate emergency protocols when pollution exceeds set limits.



An international consortium will develop 4 AQPs through a co-creation process to ensure their effectiveness and public support.



Llull Environment

ADVANCED PREDICTIVE TOOL

Llull Environment is a technology developed by INVERENCE that accurately forecasts pollution levels, enabling cities to implement mitigation strategies before pollution peaks.

Air pollutants and their sources



Particulates Matter PM2.5 and PM10

Traffic, combustion, construction, dust, haze, heating, industry.



Nitrogen Dioxide (NO2)

Diesel vehicles, urban traffic, boilers, industry.



Ozone (O3)

Reaction between NOx and volatile organic compounds with sunlight.



Carbon Monoxide (CO)

Incomplete fuel combustion, traffic, boilers.



Sulfur Dioxide (SO2)

Industry, sulfur fuels, maritime traffic in port cities.

Air Quality Plans

AQPs

4 municipalities from the European Union involved



LIFE CLEAN-AIR consortium

- INVERENCE (ES)
- EuroVértice (ES)
- Municipality of Rzeszów (PL)
- Voivodato de Podkarpackie (PL)
- Municipality of Vilnius (LT)
- Municipality of Udine (IT)
- SOGESCA (IT)
- Cascais Ambiente (PT)