ClairCity

Citizen Led Air pollution Reduction in Cities

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ClairCity Consortium

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2. University of the West of England, Bristol (Technical Lead - UK)
3. PBL Netherlands Environmental Assessment Agency (NL)
4. Statistics Netherlands CBS (Netherlands)
5. Technical University of Denmark (Denmark)
6. Norwegian Institute for Air Research (Norway)
7. REC Regional Environmental Centre (Hungary)
8. TECHNE Consulting (Italy)
9. Transport & Mobility Leuven (Belgium)
10. University of Aveiro (Portugal)
11. Municipality of Amsterdam (Netherlands)
12. Bristol City Council (UK)
13. Intermunicipal Community of Aveiro Region (Portugal)
14. Liguria Region (Italy)
15. Municipality of Ljubljana (Slovenia)
16. Sosnowiec City Council (Poland)
We are all in this together....

**It's Your Health**
Breathing polluted air raises the chances of heart attacks, strokes, and lung cancer. It makes respiratory conditions like asthma or bronchitis worse.

**Diesel vs Petrol**
Diesel cars cause more air pollution than petrol cars, but have lower carbon emissions.

**1 in 8 Deaths**
Air Pollution causes one in every eight premature deaths worldwide.
ClairCity Concept…. challenging the debate

Where & What? › › › › Who & Why? › › › › ClairCity
ClairCity – Our future with clean air

ClairCity is aimed at creating a major shift in public understanding towards the causes of poor air quality, inviting citizens to give their opinions on air pollution and carbon reduction to shape the cities of the future.
ClairCity Objectives

ClairCity will integrate and quantify citizens’ behaviour and activities to enrich city, national and EU level policy-making, resulting in improved air quality, reduced carbon emissions, improved public health outcomes and greater citizen awareness.

1. Putting citizens behaviour and practices at the heart of the debate.
2. Develop a suite of innovative toolkits for enhanced quantification, engagement and impact evaluation.
3. Integrate citizens behaviours in city policies now and in the future.
4. Raise awareness of environment changes and their solutions.
ClairCity Project Overview
ClairCity Approach

Phase 1: Establish baseline evidence

Phase 2: Citizen and stakeholder engagement

Phase 3: Scenario analysis, results and dissemination
Flexibility is key.....our six pilot cities / regions
ClairCity Scope – What do we include?

Pollutants

• ‘Priority 1 Air Pollutant’ - those within existing legislation and are most relevant for citizens health as result of citizens action (i.e. NO$_2$, PM$_{10}$, PM$_{2.5}$).

• ‘Priority 2 Air Pollutants’ - those within existing legislation and less prominent as result of citizens action (i.e. Ozone, Sulphur Dioxide, VOCs, Ammonia, Benzene, Carbon Monoxide, Lead, Methane).

• ‘Climate Pollutants’ – both CO$_2$ and CO$_2$e.

• ‘Future & Rare Pollutants’ – future pollutants which may be relevant by 2050 and rare pollutant which are not commonly problematic now and in the future. We do not aim to quantify these but we provide a ClairCity framework and policies which aim, where practical, to be safe by design.

Boundaries

• ‘TIER 1 within city/region boundaries’: detailed assessment of emission sources and air quality (fine resolution).

• ‘TIER 2: immediate vicinity of the city’: Some of the activities within the city impact the emissions in the immediate surroundings of the city. Transboundary effects also (i.e. emission for surrounding affecting the city air quality).

• ‘TIER 3: rest of the world’: not relevant for an air pollution perspective, only relevant for carbon footprint (displacing/“exporting” carbon emissions from cities to rest of world).
ClairCity Website
www.claircity.eu
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Thank you

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