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Citizens at the

Centre

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we-count.net

Engaging young people as active citizens and citizen scientists

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WECOUNT



Introduction

- The **primary objective** of the session is to introduce different ways to involve young people in understanding more about the Climate and Ecological Emergencies, and how to activate them as citizen scientists.
- The webinar presents data from two projects:
 - ClairCity citizen-led air pollution reduction in cities (2016-2020 EU No. 689289)
 - WeCount citizen scientists observing traffic (2019-2021 EU No. 872743).
- We will discuss the specific **challenges and opportunities** that citizen inclusive modelling offers for understanding **air quality, carbon emissions and their health impact** in some European cities and regions.
- We will also discuss how technology can enable young people to act as citizen scientists.



Climate and Ecological Emergency













WHAT IS AIR POLLUTION AND HOW DOES IT AFFECT US?

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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.





1 IN 8 DEATHS

AIR POLLUTION CAUSES ONE IN EVERY EIGHT PREMATURE DEATHS WORLDWIDE.



Citizen-led air pollution reduction in cities

Everyday, air pollution and carbon emissions are produced by our commutes to work, by heating our homes, or through our daily lifestyles.

The ClairCity aim was to create 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.









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citizens

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ClairCity

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Baseline reports e.g. why we travel... relative distance contribution of our travel activities in Bristol

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Engagement tools

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Engagement tools





Citizen-led policy making

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- Ban/phase out polluting vehicles
- 2 Make buses greener and cleaner
- 3 Cheaper public transport
- 4 Create alternatives to car use walking and cycling
- 5 Reduce vehicle road space increase public transport space
- 6 Improve walking environment
- 7 Charge older/more polluting vehicles entering the city
- 8 Promote electric vehicles
- 9 Awareness raising to promote active and public transport
- 10 Organisations to make it easier for employees to work from home
- 11 Make property developers prioritise air pollution and climate change
- 12 Build housing close to major employment zones
- 13 More local shops and facilities in neighbourhoods
- 14 Organisations to provide flexible working hours for employees
- 15 Improve energy efficiency for housing (rented/existing/new)
- 16 Increase generation of solar and wind power
- 17 Spread economic opportunities across different areas of the city

Example policies suggested (Bristol)

"Not enough public transport (train and bus) in terms of frequency and diversity. Current public transport are too expensive and I am living too far away from work to be able to cycle. I do want to change! Unfortunately it's too challenging at the moment."

(Female, BME, degree qualification)

"Have you tried going to the countryside with two kids but without a car? No cycle lanes, no acceptable buses at most places." (Male, white, degree qualification)



Road transport NOx and PM10 emissions scenarios by motive



Policy packages





www.claircity.eu/reports/







ClairCity results





Engagement Findings



• the more participants understanding had improved, the more likely they were to change their behaviour



• the more participants enjoyed the activity, the more their understanding of air quality improved



• the younger the participants, the more likely they were to say that they enjoyed the activity



Different activities needed to appeal to different ages

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Age of all participants



Different activities engage men and women

Gender distribution by activity





ClairCity resources



www.claircity.eu/take-action/communityactivator

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www.claircity.eu/ta ke-action/educator

Educator pack

For engagement practitioners, teachers, and young people working for a clean air and net zero carbon future





Engaging citizens in clean air decision making



http://www.claircity.eu/take -action/sciencecommunicator/

www.claircity.eu



Findings from the evaluation of ClairCity

