

HORIZON  
2020

# Citizen Led Air pollution Reduction in Cities

## Resultados

### Información del proyecto

#### CLAiR-CITY

Identificador del acuerdo de subvención:  
689289

[Sitio web del proyecto](#)

#### DOI

[10.3030/689289](#)

Proyecto cerrado

#### Fecha de la firma de la CE

22 Abril 2016

#### Fecha de inicio

1 Mayo 2016

#### Fecha de finalización

31 Julio 2020

#### Financiado con arreglo a

SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

#### Coste total

€ 6 692 547,50

#### Aportación de la UE

€ 6 692 547,50

#### Coordinado por

TRINOMICS BV



Países Bajos

CORDIS proporciona enlaces a los documentos públicos y las publicaciones de los proyectos de los programas marco HORIZONTE.

Los enlaces a los documentos y las publicaciones de los proyectos del Séptimo Programa Marco, así como los enlaces a algunos tipos de resultados específicos, como conjuntos de datos y «software», se obtienen dinámicamente de [OpenAIRE](#).

## Resultado final

[Academic paper on the application of social science to air quality and carbon management](#)

Academic paper on the application of social science to air quality and carbon management.

[User App Manual and Data Report](#)

Report – App User Manual and Data Report.

[Good practice guidelines](#)

Good practice guidelines for collecting practice-activity data.

[Pilot Cities DELPHI Evaluation Report](#)

Report – Pilot Cities DELPHI Evaluation.

[Final City Policy Package – First City](#)

Final City Policy Package – First City (tailor made CLAiR-City Policy Package for the first pilot city engaged).

[Evaluation of approaches cities take to emission footprints and city carbon initiatives](#)

Report - Evaluation of approaches cities take to emission footprints and city carbon initiatives.

[City Impact Analysis Report](#)

City Impact Analysis Report - A report with the full impact analysis, methodological approach and data sources.

[User Game Manual and Data Report](#)

Report – Game User Manual and Data Report.

[Review of social science and AQ&CM](#)

Report - Review document on how new social science can feed in and shape work on air quality and carbon management.

[Final Cross-City Policy Analysis Report](#)

Final Cross-City Policy Analysis Report - Final report on policy conclusions and recommendations, with compilation and analysis of feedback from pilot and International Associated Cities, national and EU policy makers.

[Multilevel and SWOT analysis of AQ policies](#)

Multilevel and SWOT analysis of AQ policies - Multilevel SWOT analysis of air pollution policies incorporating evidence generated from policy-makers workshops.

[Role of DELPHI Report](#)

Report – Role of DELPHI in air quality and carbon management.

[Final City Policy Package – Last City](#)

Final City Policy Package – Last City (tailor made CLAiR-City Policy Package for the final pilot city engaged).

[Mutual Learning Workshop Analysis Report](#)

Mutual Learning Workshop Analysis Report.

[Environmental justice report](#)

Report on assessment of environmental justice findings of activity-based air pollution modelling on inequalities between air pollution emissions and exposure.

## Otro (20)



[Fully functional App – First City](#)

Functional App Released – First City.

[Project Advisory Board membership established](#)

[CLAiR-City Annual Conference - Norway](#)

[Schools Competition Released](#)

Schools web-based competition released across all six cities.

[Fully functional Game – First City](#)

Functional Game Released – First City.

[CLAiR-City Annual Conference - Hungary](#)

CLAiR-City Annual Conference - Hungary (REC premises)

[Mutual Learning Workshop Complete – First City](#)

Mutual Learning Workshop Complete – First City.

[Stakeholder dialogue workshops – Last City](#)

Multi-stakeholder dialogue workshop – Last City.

[Fully functional Game – Last City](#)

Functional Game Released – Last City.

[Stakeholder dialogue workshops – First City](#)

## Multi-stakeholder dialogue workshop – First City

[CLAiR-City Final Conference - Belgium](#)

CLAiR-City Final Conference (linked to ICARUS project) - Belgium (Brussels)

[Policy Workshop – First City](#)

Policy Workshop – First City (workshop consulting on the results of the CLAiR-City process in which the draft policy package for the first pilot city engaged will be discussed with the city stakeholders. This includes comparative analysis and recommendations for air quality policies on a city level).

[CLAiR-City Annual Conference - Portugal](#)

[City Day – Last City](#)

City Day and Supporting Documents – Last City.

[Fully functional App – Last City](#)

Functional App Released – Last City.

[Policy Workshop – Last City](#)

Policy Workshop – Last City - (workshop consulting on the results of the CLAiR-City process in which the draft policy package for the final pilot city engaged will be discussed with the city stakeholders. This includes comparative analysis and recommendations for air quality policies on a city level).

[DELPHI Workshops Complete - First City](#)

DELPHI workshops completed First City

[Mutual Learning Workshop Complete – Last City](#)

Mutual Learning Workshop Complete – Last City.

[DELPHI Workshops Complete – Last City](#)

DELPHI Workshops Complete – Last City.

[City Day – First City](#)

City Day and Supporting Documents – First City.

## Open Research Data Pilot (1)



[Data Management Plan](#)

Sitios web, solicitudes de patentes, vídeos, etc. (1)



[CLAiR-City website wider social media presence established](#)

CLAiR-City website wider social media presence established.

## Publicaciones

Artículos arbitrados (3)



[The legacy of COVID-19: lessons and challenges for city-scale air quality management in the UK](#)

**Autores:** Laura De Vito, Jo Barnes, James Longhurst, Ben Williams, Enda Hayes

**Publicado en:** Cities & Health, 2020, Página(s) 1-4, ISSN 2374-8834

**Editor:** Taylor & Francis

**DOI:** 10.1080/23748834.2020.1796422

[Two approaches for synthesizing scalable residential energy consumption data](#)

**Autores:** Xiufeng Liu, Nadeem Iftikhar, Huan Huo, Rongling Li, Per Sieverts Nielsen

**Publicado en:** Future Generation Computer Systems, Edición 95, 2019, Página(s) 586-600, ISSN 0167-739X

**Editor:** Elsevier BV

**DOI:** 10.1016/j.future.2019.01.045

[Synthesising Residential Electricity Load Profiles at the City Level Using a Weighted Proportion \(Wepro\) Model](#)

**Autores:** Angreine Kewo, Pinrolinvic D. K. Manembu, Per Sieverts Nielsen

**Publicado en:** Energies, Edición 13/14, 2020, Página(s) 3543, ISSN 1996-1073

**Editor:** Multidisciplinary Digital Publishing Institute (MDPI)

**DOI:** 10.3390/en13143543

Actas de congresos (7)



[Data Pre-processing Techniques in the Regional Emission's Load Profiles Case](#)

**Autores:** Angreine Kewo, Pinrolinvic Manembu, Per Sieverts Nielsen

**Publicado en:** 2019 6th International Conference on Control, Decision and Information Technologies (CoDIT), 2019, Página(s) 2016-2021, ISBN 978-1-7281-0521-5

**Editor:** IEEE

**DOI:** 10.1109/codit.2019.8820303

[“UNFORTUNATELY, I USE MY CAR”: COMMUTER TRANSPORT CHOICES IN BRISTOL, UK](#) 

**Autores:** CORRA BOUSHEL, JO BARNES, TIM CHATTERTON, LAURA DE VITO, ANDREW EDWARDS, LAURA FOGG ROGERS, MARK LEACH, EMILY PRESTWOOD, ENDA HAYES

**Publicado en:** Air Pollution XXVI, 2018, Página(s) 243-252, ISBN 9781-784662691

**Editor:** WIT Press

**DOI:** 10.2495/air180231

[CLAIRCITY PROJECT: CITIZEN-LED SCENARIOS TO IMPROVE AIR QUALITY IN EUROPEAN CITIES](#) 

**Autores:** ENDA HAYES, ANDREW KING, ALASTAIR CALLUM, BEN WILLIAMS, KRIS VANHERLE, CORRA BOUSHEL, JO BARNES, TIM CHATTERTON, HANS BOLSCHER, EVA CSOBOD, LAURA FOGG-ROGERS, STEPHAN SLINGERLAND, JAMES LONGHURST

**Publicado en:** Air Pollution XXVI, 2018, Página(s) 233-241, ISBN 9781-784662691

**Editor:** WIT Press

**DOI:** 10.2495/air180221

[IDENTIFICATION AND ANALYSIS OF SOURCE CONTRIBUTIONS TO THE AIR QUALITY IN THE AMSTERDAM REGION](#) 

**Autores:** SÍLVIA COELHO, JOANA FERREIRA, VERA RODRIGUES, SANDRA RAFAEL, CARLOS BORREGO, MYRIAM LOPES

**Publicado en:** Air Pollution XXV, 2017, Página(s) 31-40, ISBN 9781-784661731

**Editor:** WIT Press

**DOI:** 10.2495/air170031

[O Papel dos cidadãos na redução da poluição atmosférica e pegada de carbono na Região de Aveiro](#) 

**Autores:** Myriam Lopes, Sara Silva, Sílvia Coelho, Sandra Rafael & Vera Rodrigues

**Publicado en:** REDE - Revista Eletrônica do PRODEMA, 2017

**Editor:** Rede - Revista Eletronica do Prodema

**DOI:** 10.22411/rede.v11i1.472

[AIR POLLUTION IN THE AVEIRO REGION, PORTUGAL: A CITIZENS' ENGAGEMENT APPROACH](#) 

**Autores:** SÍLVIA COELHO, VERA RODRIGUES, JO BARNES, CORRA BOUSHEL, LAURA DEVITO, MYRIAM LOPES

**Publicado en:** Air Pollution XXVI, 2018, Página(s) 253-262, ISBN 9781-784662691

**Editor:** WIT Press

**DOI:** 10.2495/air180241

[ASSESSMENT OF SOURCE CONTRIBUTIONS TO THE URBAN AIR QUALITY FOR THE BRISTOL CLAIRCITY PILOT CASE](#) 

**Autores:** KEVIN OLIVEIRA, VERA RODRIGUES, SILVIA COELHO, ANA PATRÍCIA FERNANDES, SANDRA RAFAEL, CARLOS FARIA, JOANA FERREIRA, CARLOS BORREGO, TROND HUSBY, IASON DIAFAS, PER SIEVERTS NIELSEN, XIUFENG LIU, ANGREINE KEWO, CARLO TROZZI, ENZO PISCITELLO, KRIS VANHERLE, SVEIN KNUDSEN, EVERT BOUMAN, JO BARNES, STEPHAN SLINGERLAND, ENDA HAYES, HANS BOLSCHER, MYRIAM LOPES

**Publicado en:** Air Pollution XXVII, 2019, Página(s) 89-98, ISBN 9781784663438

**Editor:** WIT Press

**DOI:** 10.2495/air190091

## Otro (2)

Air pollution: Putting people at the heart of the issues

**Autores:** Tim Chatterton

**Publicado en:** Environmental Scientist, Edición Vol 27 (2), 2017, Página(s) 18-23

**Editor:** Institute of Environmental Sciences

H2020 ClairCity project: Assessment of air quality impacts for Bristol City Council

**Autores:** V. Rodrigues, K. Oliveira, S. Coelho, J. Ferreira, A. P. Fernandes, S. Rafael, C. Borrego, C. Faria, K. Vanherle, P. Papics, O. Ivanova, T. Husby, I. Diafas, P. Nielsen, A. Kewo, C. Trozzi, E. Piscitello, S. Knudsen, J. Barnes, S. Slingerland, H. Bolscher, E. Hayes, and M. Lopes

**Publicado en:** 19th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (HARMO), 2019

**Editor:** HARMO

## Artículos no arbitrados (2)

[Challenging the air quality discourse - people create pollution not technology](#) 

**Autores:** Enda Hayes

**Publicado en:** Clean Air Journal, Edición Vol 27 (1), 2017, Página(s) 16-17, ISSN 2410-972X

**Editor:** National Association of Clean Air

**DOI:** 10.17159/2410-972x/217/v27n1a6

[The future is already here](#)

**Autores:** Tim Chatterton, Georgia Newmarch

**Publicado en:** interactions, Edición 24/2, 2017, Página(s) 42-45, ISSN 1072-5520

**Editor:** Association for Computing Machinery, Inc.

**DOI:** 10.1145/3041215

## Conjuntos de datos

Conjuntos de datos vía OpenAIRE (12)



[d5-2-cities-database](#)

**Autores:** Vanherle, Kris; Rodrigues, Vera; Lopes, Myriam; de Oliveira, Kevin; Rafael, Sandra; Fernandes, Ana Patrícia; Diafas, Iason; Trozzi, Carlo; Kewo, Angreine; Papics, Peter; Soares, Joana; Himpe, Willem

**Publicado en:** Zenodo

[d5-6-assessment-of-impacts-ljubljana](#)

**Autores:** Lopes, Myriam; Borrego, Carlos; Rodrigues, Vera; Coelho, Sílvia; Faria, Carlos; Rafael, Sandra; Ferreira, Joana; Fernandes, Ana Patrícia; Vanherle, Kris; Diafas, Iason; Kewo, Angreine; Sieverts, Per; Knudsen, Svein; Soares, Joana; Trozzi, Carlo

**Publicado en:** Zenodo

[d5-6-assessment-of-impacts-amsterdam](#)

**Autores:** Lopes, Myriam; Borrego, Carlos; Rodrigues, Vera; Coelho, Sílvia; Faria, Carlos; Rafael, Sandra; Ferreira, Joana; Fernandes, Ana Patrícia; Vanherle, Kris; Diafas, Iason; Kewo, Angreine; Sieverts, Per; Knudsen, Svein; Soares, Joana; Trozzi, Carlo

**Publicado en:** Zenodo

[d5-7-city-impact-analysis-report](#)

**Autores:** Rodrigues, Vera; Vanherle, Kris; Papics, Peter; Diafas, Iason; Kewo, Angreine; Trozzi, Carlo; Piscitello, Enzo; Soares, Joana



**Publicado en:** Zenodo

[ClairCity Evaluation Dataset](#)

**Autores:** Margarida Sardo; Laura Fogg-Rogers

**Publicado en:** Zenodo

[d5-6-assessment-of-impacts-sosnowiec](#)

**Autores:** Lopes, Myriam; Borrego, Carlos; Rodrigues, Vera; Coelho, Sílvia; Faria, Carlos; Rafael, Sandra; Ferreira, Joana; Fernandes, Ana Patrícia; Vanherle, Kris; Diafas, Iason; Kewo, Angreine; Sieverts, Per; Knudsen, Svein; Soares, Joana; Trozzi, Carlo

**Publicado en:** Zenodo

[d5-6-assessment-of-impacts-liguria](#)

**Autores:** Lopes, Myriam; Borrego, Carlos; Rodrigues, Vera; Coelho, Sílvia; Faria, Carlos; Rafael, Sandra; Ferreira, Joana; Fernandes, Ana Patrícia; Vanherle, Kris; Diafas, Iason; Kewo, Angreine; Sieverts, Per; Knudsen, Svein; Soares, Joana; Trozzi, Carlo

**Publicado en:** Zenodo

[d5-6-assessment-of-impacts-aveiro](#)

**Autores:** Lopes, Myriam; Borrego, Carlos; Rodrigues, Vera; Coelho, Sílvia; Faria, Carlos; Rafael, Sandra; Ferreira, Joana; Fernandes, Ana Patrícia; Vanherle, Kris; Diafas, Iason; Kewo, Angreine; Sieverts, Per; Knudsen, Svein; Soares, Joana; Trozzi, Carlo

**Publicado en:** Zenodo

[ClairCity Skylines Game Data](#)

**Autores:** Hayes, Enda; King, Andy; Crawford, Fiona

**Publicado en:** Zenodo

[ClairCity Skylines Game Player Survey Data](#)

**Autores:** Hayes, Enda; King, Andy; Crawford, Fiona

**Publicado en:** Zenodo

Mostrando 1-10 de 12

[Ver todos 12 los resultados](#)

## Otros productos de investigación

[Otros productos de investigación a través de OpenAire \(12\)](#)



[ClairCity Process Diagram](#)

**Autores:** Merchant, Steve; Brammall, Melanie; Hayes, Enda; Laggan, Sophie  
**Publicado en:** Zenodo

[The ClairCity Methodology](#)

**Autores:** Sophie Laggan; Stephan Slingerland; Laura Fogg-Rogers  
**Publicado en:** Zenodo

[ClairCity climate change consequences infographic](#)

**Autores:** Steve Merchant; Melanie Brammall; Sophie Laggan  
**Publicado en:** Zenodo

[ClairCity Community Activator Pack](#)

**Autores:** Laggan, Sophie  
**Publicado en:** Zenodo

[ClairCity postcards for Bristol](#)

**Autores:** Laggan, Sophie  
**Publicado en:** Zenodo

[ClairCity matrix - what future do you want to help create?](#)

**Autores:** Merchant, Steve; Brammall, Melanie; Laggan, Sophie  
**Publicado en:** Zenodo

[ClairCity Air Pollution Infographic](#)

**Autores:** Merchant, Steve; Brammall, Melanie; Corra Boushel  
**Publicado en:** Zenodo

[Our City Our Future: 6-week STEAM Eco Club Challenge](#)

**Autores:** Sophie Laggan  
**Publicado en:** Zenodo

[ClairCity Clean Air Board Game](#)

**Autores:** Trinder-Widdess, Zoe; Laggan, Sophie  
**Publicado en:** Zenodo

[Pacote ativador comunitário](#)

**Autores:** Sophie Laggan; Sílvia Coelho; Nicole da Silva  
**Publicado en:** Zenodo

Mostrando 1-10 de 12

[Ver todos 12 los resultados](#)

**Última actualización:** 25 Agosto 2022

**Permalink:** <https://cordis.europa.eu/project/id/689289/results/es>

European Union, 2025

