

Yearly presentations

EC Technical Support Instrument Grant Agreement number
101046124

Call: TSI-2021-SMARTCITIES-IBA

Topic: Citizen's participation and green solutions in smart cities

Type of action: TSI-PJG

Deliverable 3.5: Five presentations per year

Delivery Year: 2023



This project has received funding from the European Union's Technical Support Instrument (TSI) programme under grant agreement 101046124.

1.1 DOCUMENT INFORMATION

Project Number	101046124		Acronym	CitiMeasure
Full title	CitiMeasure - using citizen measurements to create smart, sustainable, and inclusive cities			
Project URL	https://eurocities.eu/projects/citimeasure/			
EU Project officer	Aleksandra Marchewka			
Deliverable Number	D3.5	Title	Five presentations per year	
Work package Number	3	Title	Communication and dissemination	
Date of delivery	Contractual	Month 24 May 2023	Actual	Month 24 May 2023
Dissemination Level	Public			
Authors (Partner)	Eurocities			
Responsible Author	Irene Vivas Lalinde	Email	Irene.vivas-lalinde@eurocities.eu	
Partner	Eurocities			
Abstract (for dissemination)	This report includes details about all the presentations made about CitiMeasure throughout the duration of the project.			
Keywords	project presentations			
Version Log				
Version as date	Author	Partner	Change	
2023_02_15	Irene Vivas Lalinde	Eurocities	Initial draft creation	
2023_02_20	Mohammad Gharesifard	Eurocities	First internal review	
2023_05_05	Loe Guthmann	Eurocities	Inputs to different sections	
2023_05_12	Brooke Flanagan	Eurocities	Second internal review	
2023_05_26	Farida Polsbroek	BZK	External review	

To cite this document:

Vivas Lalinde, I., Gharesifard, Guthmann, L., M., Flanagan, B. (2023). D3.5: Five presentations per year. *Deliverable report of the CitiMeasure project (grant agreement No101046124), Brussels, Belgium.*

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Acronyms

AAQD	Ambient Air Quality Directive
AOB	Any Other Business
BZK	Ministry of the Interior and Kingdom Relations of Netherlands
CS	Citizen Science
CSA	Citizen Science Association
D	Deliverable
ECSA	European Citizen Science Association
EEF	Eurocities Environment Forum
EIE	Empowerment, Inclusiveness and Equity
ENVI	Environment
EU	European Union
ICTU	Information and Communications Technologi(es) (U)
LEZ	Low Emission Zone
NGOs	Non-Governmental Organisations
Q&A	Question and Answer
WG	Working Group
WHO	World Health Organisation

1. Executive Summary

This report includes information about all the 24 presentations about CitiMeasure throughout the duration of the project (June 2021 – May 2023). The main aim of this report is to share details about these presentations (location, date and aim), as well as the outcomes of these interactions. This report also provides some insights about the different organisations with which the project interacted with the purpose of improving the project dissemination and outreach. These organisations include the City Deal as one of the priority partners in the development of the project proposal and the start of the implementation of the project. Other relevant actors were Eurocities' forums and working groups. These were spaces to gather inputs, expand our own working groups and collaborate on policy issues. Additionally, the smart cities and the citizen science community were important for knowledge exchange. Throughout the duration of the project, the team accepted other opportunities to present CitiMeasure.

2. Introduction

2.1 ABOUT CITIMEASURE

Citizen measurement, or citizen science, initiatives contribute to a sustainable transition in European cities. By using an array of tools and instruments, citizens can play a role in the measurement and monitoring of indicators on air quality, temperature, soil moisture, biodiversity, or risk management, among many other environmental areas. Citizen measurement initiatives can also strengthen collaboration between different stakeholders and contribute to the democratisation of science and policy. The CitiMeasure project (2021-2023) aimed to bring together the experiences and expertise of European cities, organisations and networks in implementing citizen science initiatives (in the form of guidelines, toolboxes, online platforms, apps, etc.). The project built upon the lessons learnt from the Dutch City Deal WGs, a network of stakeholders working on the broader area of smart cities, including citizen measurement initiatives. The City Deals are an instrument of the Dutch Ministry of Interior Affairs and Kingdom Relations. CitiMeasure has used these experiences to inform the development of three outputs:

1. [Guidelines on Behaviour & Policy Change](#)
2. [Guidelines on Competencies for Digital Inclusion](#)
3. [CitiAIR](#), a comparability tool for participatory air quality monitoring initiatives in Europe

A fourth working group, Strategy and Oversight, focused on providing strategic direction and ensuring cohesion of activities across the three Instrument Sub-Groups and the project in general. CitiMeasure has also raised awareness of the importance of citizen science initiatives and capitalised on the results and tools of similar projects by creating an online European Knowledge Centre with a repository of good practices.

2.2 PURPOSE OF THIS REPORT

This report includes details about all the 24 presentations about the CitiMeasure project to a range of groups and forums, including Eurocities' members, smart cities projects, and the citizen science community.

2.3 STRUCTURE OF THE REPORT

This report is structured in two main sub-sections. The first year of the project (June 2021 – June 2022) and the second year of the project (June 2022 – May 2023). The report ends with concluding remarks.

3. Presentations in year I

Section 3 includes information about 16 presentations about the CitiMeasure project, which took place between June 2021 and June 2022 (the first year of this initiative). The section is divided into five sub-sections (Dutch City Deal, smart cities projects, Eurocities working groups, the citizen science community and other presentations to external audiences). Each of these sub-sections describes the type of audience for disseminating and communicating the outputs of the CitiMeasure project as suggested in the Grant Agreement.

3.1 DUTCH CITY DEAL

Throughout the implementation of CitiMeasure, there has been a close collaboration with a representative from the Dutch Ministry of Interior and Kingdom Relations as a member of the CitiMeasure Steering Committee and with the Future City Foundation as managers of the City Deal. The Dutch City Deal is a network of stakeholders working on the broader area of smart cities, which includes the topic of citizen measurement initiatives. The City Deals are an instrument of the Dutch Ministry of Interior Affairs and Kingdom Relations. One of these City Deals is the City Deal 'A smart city'. The Eurocities team presented the CitiMeasure project and its approach to City Deal stakeholders on **five** occasions (see Figure 1) in the first year of the project. At the beginning, the aim was to explore how to scale up their work on citizen measurements. Later on, other presentations were organised to share the progress on the implementation of the project.



Figure 1: Timeline of presentations to City Deal partners

First, the CitiMeasure project was presented at the "[100 Climate Neutral Cities in Europe by 2030](#)" online event organised by the Dutch government on June 21, 2021. Later, an information session was scheduled to discuss how to involve the City Deal in the CitiMeasure project, more specifically, the working groups "Engage your citizens" (Betrek je burger in Dutch) and "Compare projects" (Vergelijken projecten in Dutch), which the Eurocities team met on July 5, 2021. The information session was organised online, with 20 participants representing different Dutch organisations and cities. You can find the recording [here](#). Figure 2 shows the agenda of the meeting.

12:00 – 12:05	Welcome by Brooke Flanagan, Eurocities Senior Project Coordinator
12:05 – 12:10	Welcome by Jan Willem Wesselink, Programme Manager, Future City Foundation
12:10 – 12:15	Tour de table
12:15 – 12:25	Presentation of the CitiMeasure project by Mohammad Gharesifard, Eurocities Project Coordinator and Irene Vivas Lalinde, Eurocities Project Officer
12:25 – 12:35	Presentation of the Dutch instrument: Betrek je burger
12:35 – 12:45	Presentation of the Dutch instrument: Vergelijken projecten
12:45 – 12:55	Q&A
12:55 – 13:00	Closing

Figure 2: Agenda of the meeting with City Deal on July 5

To follow up on this presentation, two additional one-on-one online meetings were organised with the coordinators of the working groups “Betrek je burger” and “Vergelijken projecten” (Marcel Broekhaar and Henri de Ruiter) on the 7 and 8 of July 2021. In these meetings, participants were able to ask questions about how to get involved in the CitiMeasure working groups as part of the process to effectively scale up the Dutch working groups to pan-European level. Finally, the CitiMeasure project was presented again to the two City Deal working groups on August 31. The session was online, and 18 participants attended. Figures 3 and 4 showcase the agendas for both meetings.

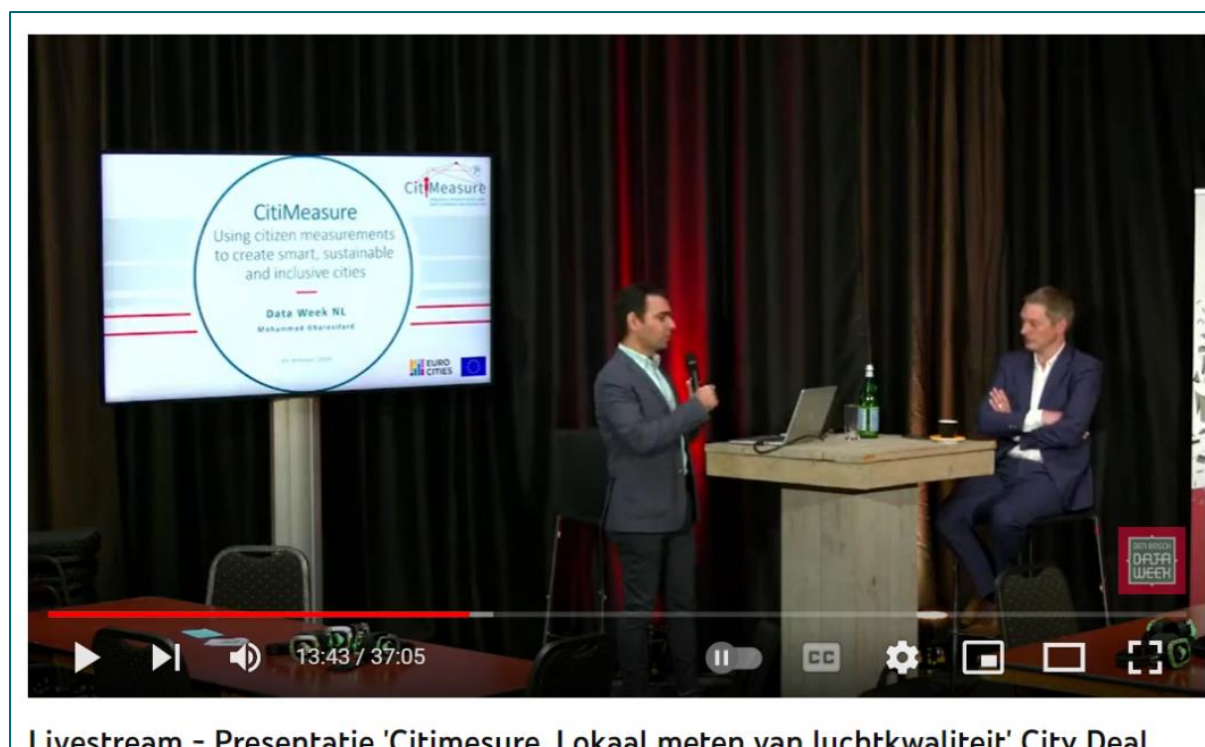
Item	Who?	Time
Welcome and opening	Jan-Willem Wesselink	5 mins
Short introduction of CitiMeasure	Mohammad Gharesifard	10 mins
Overview of expressions of interest so far	Mohammad Gharesifard	5 mins
Planned activities and next steps	Mohammad Gharesifard	5 mins
Drivers and barriers of the working group ‘vergelijken van projecten’ for joining CitiMeasure	Henri de Ruiter	10 mins
Q&A and reflection on the drivers and barriers for joining CitiMeasure	All	15 mins
Wrap up and conclusions	Mohammad Gharesifard	10 mins

Figure 3: Agenda meeting with City Deal on August 31, 2021

Item	Who?	Time
Welcome and opening	Jan-Willem Wesselink	5 mins
Short introduction of CitiMeasure	Mohammad Gharesifard	10 mins
Overview of expressions of interest so far	Mohammad Gharesifard	5 mins
Planned activities and next steps	Mohammad Gharesifard	5 mins
Drivers and barriers of the working group ‘betrekken en activeren van burgers’ for joining CitiMeasure	Marcel Broekhaar	10 mins
Q&A and reflection on the drivers and barriers for joining CitiMeasure	All	15 mins
Wrap up and conclusions	Mohammad Gharesifard	10 mins

Figure 4: Agenda meeting with City Deal on August 31, 2021

All these meetings were organised together with the Future City Foundation and disseminated through internal channels of the Dutch City Deal. As a result of these presentations, several members of the City Deal joined the CitiMeasure working groups, including representatives from the following Dutch and Belgium cities (Roeselare, Sittard-Geleen, Amersfoort, and Apeldoorn) and organisations such as ICTU and Rotterdam University of Applied Sciences. Since then, there has been a positive relationship with the Future City Foundation and regular updates to the City Deal partners about the CitiMeasure project. For instance, the Project Coordinator presented the project at the Dutch Data week on October 28, 2021, which took place in Den Bosch (the session is available online [here](#)).



Livestream - Presentatie 'Citimesure. Lokaal meten van luchtkwaliteit' City Deal

Figure 5: Screenshot of the project presentation at the Dutch Data Week in 2021

In addition, the draft instruments were presented at a City Deal partner meeting on May 12, 2022, in Utrecht (the Netherlands). Figure 5 showcases a part of the programme.

(Vredenburg 40, 3511 BD Utrecht)	KAN JE ZELF NIET? NODIG DAN JE COLLEGA'S UIT
HOOFDPROGRAMMA	
<p>10.00 uur - Welkom, met Jan-Willem Wesselink (City Deals 'Een <u>slimme stad</u>, zo doe je dat' en 'Slim Maatwerk')</p> <p>10.30 uur - Deelsessie over ethiek, met Susan van Esch (phbm)</p> <p>11.00 uur - Deelsessie over gebiedsontwikkeling, met Shahid Talib (<u>Heijmans</u>)</p> <p>11.30 uur - Deelsessie over 'Slim Maatwerk', met Pieter Hilhorst (City Deal 'Eenvoudig Maatwerk')</p> <p>12.00 uur - Inspiratielezing over slimme stad Antwerpen, met Jan <u>Adriaenssens</u> (imec)</p> <p>12.30 - Lunch</p> <p>13.30 uur - Inspiratielezing over hoe je je project tot een succes maakt, met Jan van Ginkel (<u>Provincie Zuid-Holland</u>)</p> <p>14.00 uur - Ondertekening nieuwe partners City Deal 'Een <u>slimme stad</u>, zo doe je dat' met <u>Brigitte Willems</u> en <u>gemeente Roermond</u></p> <p>14.30 uur - Dit doen we in de City Deal, met pitches van de <u>werkgroepen</u>:</p> <ul style="list-style-type: none"> >> Crowd Safety Manager - Jeroen <u>Steenbakkers</u> (Argaleo) >> <u>Sensordata & privacy</u> - Ramon Groote (Noord-Brabant) >> Smart mobility - <u>rtb</u> (Ministerie Infrastructuur en Waterstaat) >> Smart City <u>Woordenboek</u> - Jan Willem (City Deal 'Een <u>slimme stad</u>, zo doe je dat') >> <u>CitiMeasure</u> - Gino Dehullu (<u>Stad Roeselare</u>) en Mohammad Ghareisifard (<u>Eurocities</u>) <p>15.30 uur - Deelsessie over Slim Maatwerk, met Ellen Evers, (City Deal 'Slim Maatwerk')</p> <p>16.00 uur, Borrel, en Zo gaan we verder met de City Deal, met Frank <u>Reniers</u> (Agenda Stad) en Jan-Willem Wesselink (City Deals 'Een <u>slimme stad</u>, zo doe je dat' en 'Slim Maatwerk')</p>	

Figure 6: Agenda of the City Deal Day on May 12, 2022

There have been additional informal meetings to exchange information on the products of the different working groups on a regular basis.

3.2 SMART CITIES PROJECTS

Besides the CitiMeasure project, there are other projects related to smart cities in Eurocities that the team has been reaching out to for knowledge exchange, and for communication and dissemination purposes. For example, CitiMeasure was presented to the [UserCentriCities](#) partners in an online meeting on September 7, 2021.

3.3 EUROCITIES FORUMS AND WORKING GROUPS

Eurocities is a network of over 200 European cities that collaborate in thematic working groups. Many of Eurocities' members were not familiar with the concept of citizen science. The main aim of these meetings was thus to engage cities and communicate, disseminate and amplify the CitiMeasure project and its products through Eurocities working groups, especially those working on environmental topics. In the first year of the project, CitiMeasure was presented **four** times. Figure 6 shows the number of participants in each of these meetings. Most participants were city representatives, although a couple of external attendees represented non-governmental organisations (NGOs).

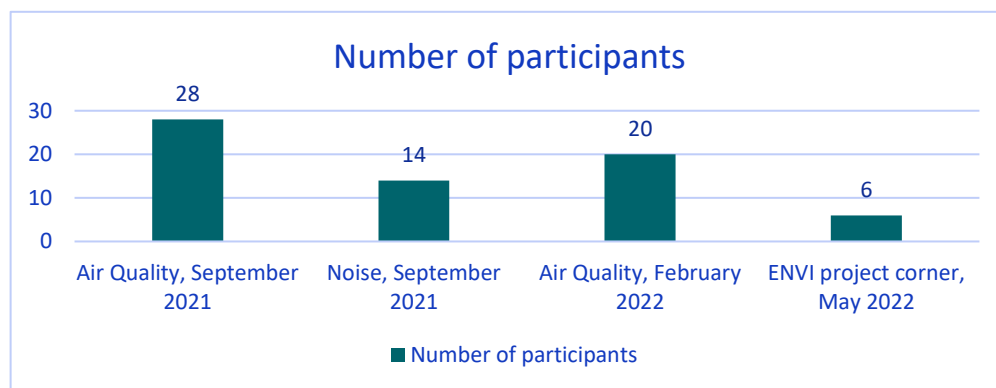


Figure 7: Number of participants in different CitiMeasure presentations

Two presentations were made to the Air Quality working group (September 14, 2021, and February 24, 2022) and one to the Noise working group (September 21, 2021). These presentations took place online (see Figures 8, 9 and 10 with the detailed agendas). As a result of these interactions, members of the cities of Barcelona, Milan, Debrecen, and Torino joined the CitiMeasure working groups.

Time	
10:00 – 10:05	Welcome & Introduction (5mn) [Martin/Rosalind]
10:05 – 10:15	Policy update: Euro 7/ Fit4Future Platform opinion on AAQD / EU Clean Air Forum/ WHO guidelines (10mn) [Thomas]
10:15 – 10:30	Presentation CitiMeasure project (15mn) [Mohammad]
10 :30 – 11 :00	Tyre & brakes emissions : presentation by Paris + Q&A (30mn) [Paris representatives]
11:00 – 11:40	Low emission zones & national framework: presentation by Milan authorities on their LEZ experience and the importance of a relevant national framework (40mn) [City representatives]
11 :40 – 11 :45	AOB (5mn)
11: 45 – 12:00	Wrap-up & next steps (15 mn)

Figure 8: Agenda of Air Quality WG meeting on September 14, 2021

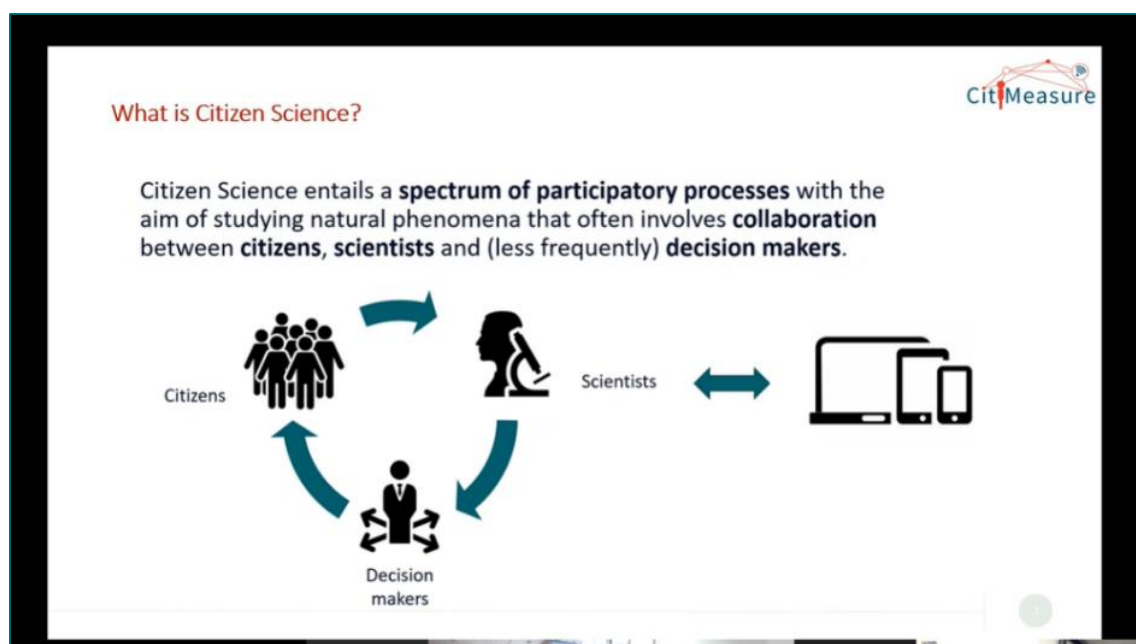


Figure 9: Screenshot of Air Quality working group meeting on September 14, 2021

Time	
14.00-14.10	Welcome
14.10-14.20	CitiMeasure project
14.20-14.30	World Data League introduction
14.30-15.00	Discussion

Figure 10: Agenda of WG Noise meeting in September 2021

On February 24, 2022, the project was presented again to the Air Quality working group. This time, the team presented the approach to the instrument development phase. These interactions strengthen the relationship with the working group members and the policy officer. Finally, CitiMeasure was presented in an online event with other projects of the Environment forum. This event occurred in the online app Wonder Me on May 11, 2022 (see Figure 11). It served to exchange information about the ongoing Eurocities' projects, as well as common challenges and future opportunities for collaboration.

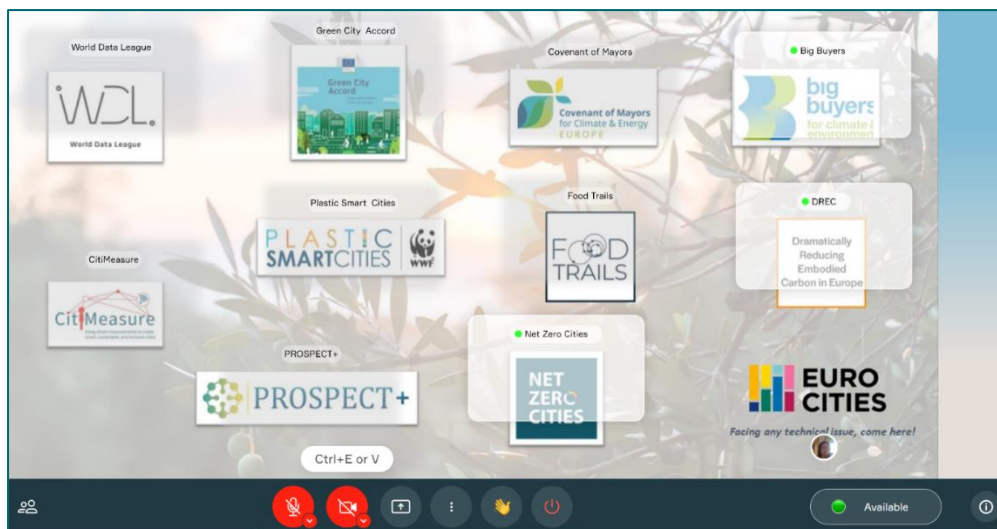


Figure 11: ENVI Forum (online) project corner on May 11, 2022

3.4 CITIZEN SCIENCE COMMUNITY

The CitiMeasure team has participated in several events and meetings to communicate and disseminate the project outputs to the wider citizen science community. These include the following:

3.4.1 EIE Working Group (February 22, 2022)

CitiMeasure joined several meetings of the [Empowerment, Inclusiveness and Equity \(EIE\) working group](#) of the European Citizen Science Association (ECSA). These happened on December 14, 2021, and January 25, 2022. The chairs of the working group then invited Eurocities to present the work of the CitiMeasure Digital Inclusion working group in an online meeting on February 22, 2022. There were seven participants, including leading scholars on digital inclusion in citizen science, who provided feedback on the approach taken by the CitiMeasure working group. As a result of this interaction, one of the participants joined the CitiMeasure project.

3.4.2 C*SCI 2022 (Citizen Science Association online conference, May 21-26, 2022)

One of the outputs of the CitiMeasure project: *The European landscape review* was presented at the Citizen Science Association (CSA) conference on May 25, 2022. The meeting took place online in US time, given that CSA is a US-based organisation. The conference focused on sharing experiences around key citizen science topics. For that, they used an online platform to facilitate interaction. The session where the landscape review was presented, in online poster format, was attended by 8 participants from the United States and Europe who shared lessons learnt from all over the world (see Figure 11). The team also joined another meeting with European stakeholders.

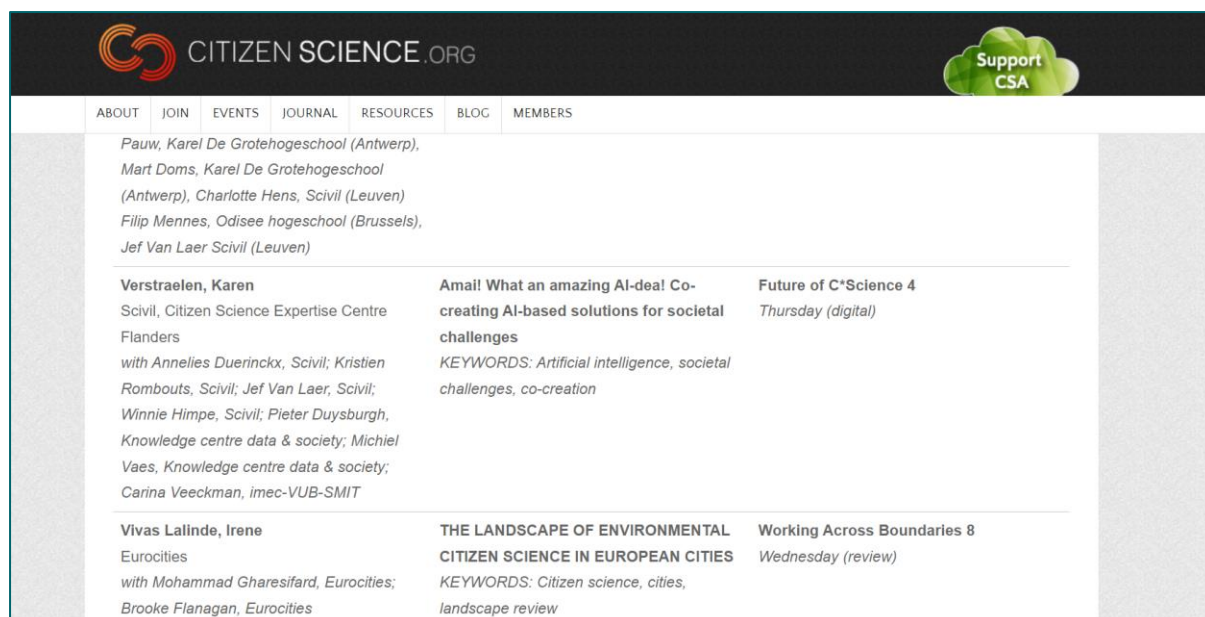


Figure 12: C*Sci conference (May 25, 2022)

3.5 OTHER PRESENTATIONS

Throughout the project's first year, CitiMeasure was introduced to other initiatives and organisations in **four** different occasions. These include meetings with the Global Partnership for Sustainable Development Data (November 1, 2021) and with the University of West England (October 25, 2021). CitiMeasure was also informally introduced at an online training "The miracle of traffic counting and citizens engagement" organised by CIVITAS (September 2, 2021), and at the online conference "The Future of Citizen Science" organised by the EU Citizen.Science and ACTION projects (November 24-25, 2021).

4. Presentations in year II

This section includes information about seven presentations about the CitiMeasure project in the second year of the project (June 2022 to June 2023). The section is divided into five sub-sections (Dutch City Deal, Eurocities projects, working groups and events, the citizen science community, and other presentations to externals). Each of these sub-sections describes the type of audience for disseminating and communicating the outputs of the CitiMeasure project as described in the Grant Agreement.

4.1 DUTCH CITY DEAL

The collaboration with the Dutch City Deal continued during the second year of the project. The aim of this collaboration was to exchange information about the latest developments in both networks. In January 2023, the Project Coordinator was invited to participate and bring a European perspective in a panel discussion on local measurements. The event took place in S'Hertogenbosch in person with all the partners of the Dutch City Deal (see Figure 13).



Figure 13: Panel on local measurements (January 19, 2023)

4.2 EUROCITIES FORUMS AND WORKING GROUPS

In the second year, the project was presented at two different Eurocities forums (the 2022 Digital Forum and the 2023 Environment Forum), as well as to one of the working groups.

4.2.1. Eurocities Forums

Eurocities Digital Forum 2022

Every year, Eurocities hosts a Digital Forum where representatives from cities and various organisations come together to discuss topics related to the digital transformation of European cities. In 2022, the forum was hosted by the city of Madrid. The CitiMeasure project was presented in a side session (see Figure 14) of a three-day event. The presentation took place on October 6 from 13:25 to 13:50 as part of the Digital Forum Highlights. A working group member was invited to share a testimonial about his experience participating in the Digital Inclusion working group.



Figure 14: CitiMeasure presentation at the 2022 Digital Forum in Madrid

Eurocities Environment Forum 2023

Every year, Eurocities hosts the Eurocities Environment Forum (EEF) where representatives from cities and various organisations come together to discuss how we can regenerate urban spaces and lay the ground for climate-neutral cities. In 2023, the EEF was hosted by the city of Ghent.

The CitiMeasure team was part of a projects stand where everyone interested in CitiMeasure and its outputs could obtain information and ask questions. An A3 one-pager with a QR code linked to the CitiMeasure website was created. In addition to the CitiMeasure representation at the projects stand, a CitiMeasure team member participated in meetings of the air quality working group. Here they discussed citizen science and explained its value in collecting data and engaging people. They also invited everyone to submit remaining air quality monitoring initiatives to the CitiAIR inventory, and raised awareness of the webinars on the launch of the Guidelines on Behaviour & Policy Change and on Competencies for Digital Inclusion (4 May) as well as the final CitiMeasure event (16 May).



Figure 15: One-pager created for and presented at the EEF

4.2.2. Eurocities working groups

One of the main outputs of the project, the comparability tool (also known as CitiAIR) was presented to the Air Quality working group on 16 September 2022 (see Figure 16). In this online event, details about the tool were presented. Members from the working group were also invited to join an event organised as part of the European Week of Regions and Cities 2022.



Figure 16: Agenda of the Air Quality working group (16 September 2022)

This collaboration then provided the opportunity to influence Eurocities advocacy work on air quality by including citizen science in different positions and policy papers including [New EU Air Quality directive proposed](#) on October 27, 2022, and [Could EU targets melt into air?](#) on March 14, 2023. Two specific amendments suggested by the CitiMeasure team have also been included in the document with the Eurocities comments and recommendations on the proposal for a revised Ambient Air Quality Directive (AAQD).

4.3 CITIZEN SCIENCE COMMUNITY

The CitiMeasure project was present at the ECSA Conference 2022 that was held 5-8 October 2022 in Berlin. The CitiMeasure presentation was part of a session entitled “Healthy cities: resolving Human-Nature Conflicts through Citizen Science”. This session was held on 6 October at the main auditorium, and it was broadcasted live (see the recording [here](#)). Participants of the session learned about the CitiMeasure project and its aims, as well as the prototype guidelines and tools that were co-created by the CitiMeasure working groups. They also received first-hand insights from piloting the CitiMeasure products. At the end of the presentation, the session moderator and the audience asked a few questions about the CitiMeasure working groups, outputs and pilots.

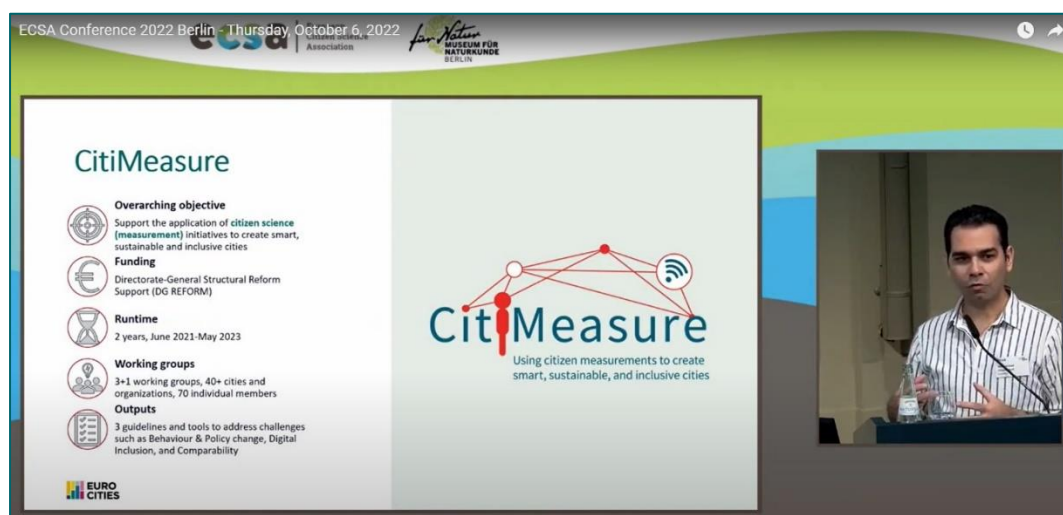


Figure 17: Presentation at the ECSA conference (6 October 2022)

Thursday, 6 October Conference Day 1					7
LANGENBECK-VIRCHOW-HAUS					MUSEUM FÜR NATURKUNDE
	Audimax max n. of people 500	Bernhard v. Langenbeck max n. of people 90	Rudolf Virchow Room max n. of people 25	August Bier Room max n. of people 25	Event Hall max n. of people 60
16.15 - 17.45	Oral Session 10: Healthy cities: resolving Human-Nature Conflicts through Citizen Science Chair: Gitte Kragh Mohammad Gharesifard CitiMeasure - citizen science for smart and healthy European cities Valentin Baumstark A citizen science experiment on public lighting policies: a helpful step toward a 'dark infrastructure' at a local level? Elisa Lopes da Silva From Lisbon to the planet: environmental scales in tourism practices shaping the city Claire Narraway How good are gardens for wildlife? An analysis of the quality of wildlife friendly interventions in UK gardens Nienke Beets What's that weed on the street? - Motivation and attitude of participants in the 'Pavement plant' citizen science project	Oral Session 11: Ethics & Policy: how do we strengthen social innovation with Citizen Science? Chair: Claire Murray Kirsten Vejt Measuring together, trusting each other? Disagreeing stakeholders collaborate to measure air quality in a rural area in The Netherlands Clara Schwindt Understanding the loyalty of citizen scientists in biodiver- sity citizen science programs Jacqueline Goldin Keep the flow what has yarning got to do with citizen science Guillermina Actis, Valeria Arza Policy perceptions about the contribution of citizen social science on policy making: a case study on environmental justice Aletta Bonn Citizen Science to foster social innovation: Citizen Science Strategy 2030 for Germany	Interactive Session 7: A Citizen Science project which contributes in improving the selective municipal waste collection system Diana Reinoso	Interactive Session 8: Empowerment and innovation through co-creative youth citizen social science - An interactive session organized by the H2020 YouCount project Reidun Norvoll, Julie Ridley, Ingar Brattbakk, Egle Butkeviciene, Cathrine Skovbo Winther, Sara Plassnig, Michael Seggaard Jørgensen	16.30 - 17.30 Oral Session 12: The future of our nutrition: food production and healthy soils Chair: Katja Radon Dominique Desclaux From national participatory plant breeding projects to European multi-actor food living-labs: how to consider planetary health? Pierre Ganault Agroecological transition in schools for a better human and soil well-being: perceptions, potentials and commitments, the SOLALE- COLE project Gülbanu Kaptan Using citizen science to explore plant breeding and investigate food-chain transparency for novel breeding methods

© All sessions held in the Audimax will be streamed through the ECSA YouTube channel: <https://www.youtube.com/c/ecsauropeancitizenscienceassociation>

Figure 18: Details about the programme at the 2022 ECSA conference

4.4 OTHER PRESENTATIONS

4.4.1 Digital Citymakers Summit 2023

In collaboration with another Eurocities project, UserCentriCities, the CitiMeasure project participated in the Digital Citymakers' Summit 2023. This online event was organised by Metropolis on January 25, 2023. The session focused on how to put people at the centre of the digital and green transitions. Eurocities was presented at the beginning of the session, followed by two dedicated presentations about the two projects. Then, there was ten minutes for questions and answers as well as open interaction with participants. The session was joined by 13 people.



Figure 19: CitiMeasure presentation at Digital Citymakers Summit on January 25, 2023

4.4.2 City and Science Biennial

The CitiMeasure Project Coordinator attended the City and Science Biennial 2023, which took place from 21 to 26 February 2023 in Barcelona. The conference examined the relationship between citizens and the social, environmental and health sciences in cities. The objective was to present CitiMeasure to the wider (citizen) science community. This has been achieved through the participation in a [panel discussion](#) (“Day of citizen science – Action”) in which the CitiMeasure Project Coordinator illustrated how CitiMeasure helped inform new public policies and trigger behaviour change by relevant stakeholders.



Figure 20: CitiMeasure Project Coordinator in a panel discussion on promoting action in citizen science (© Science for Change)

5. Concluding remarks

The CitiMeasure project was presented 23 times throughout the project (June 2021 – May 2023). In the first year of the project, it was presented on 16 occasions and seven in the second year. There were four main target groups: the Dutch City Deal members, Eurocities' forums and working groups, the citizen science community and other external organisations and stakeholders.

While the presentations to the Dutch City Deal focused on how to get involved in the first year of the project, the focus changed to dissemination and knowledge exchange in the second year. CitiMeasure has primarily collaborated with the Digital and Environment forums at Eurocities. The most successful engagements have occurred with the Air Quality working group, which introduced the concept of citizen science in its advocacy efforts. The team has also closely collaborated with the European Citizen Science Association (ECSA) and other projects and organisations promoting citizen science. Finally, the project and its outputs have been presented at different events upon invitation and collaboration with different stakeholders.