



# metaCCAZE Observer Cities

## Terms of Reference



Co-funded by  
the European Union

## Introduction to the document

This document outlines the Terms of Reference for the Observer Cities selected to join the metaCCAZE project through the open call conducted **from 17<sup>th</sup> December 2024 to 31<sup>st</sup> January 2025**.

## Introduction to metaCCAZE

The metaCCAZE project aims to revolutionise mobility in European cities, serving both passengers and freight, with innovative electric, automated, and connected solutions designed to make transportation smarter, net zero, and more efficient for all. The goals of the project are to:

- Involve professionals from various sectors and citizens to design use cases, business innovation and governance models for zero-emission shared mobility, considering social acceptance.
- Develop scalable, open, resilient and replicable technological and infrastructural solutions combining electrification, automation and connectivity.
- Demonstrate solutions for zero-emission shared mobility for passengers and goods in four trailblazer cities for a year, allowing to check seasonality effects.
- Show effective transferability of solutions for zero-emission shared mobility for passengers and goods
- Boost the market, cities and their stakeholders with the knowledge and skills to adopt and implement zero-emission shared mobility for passengers and goods.

metaCCAZE is a Horizon Europe MISSION project co-funded by the 2Zero, CCAM and Cities' Mission partnerships. It participates in the CIVITAS Initiative, an EU-funded programme working to make sustainable and smart mobility a reality for all and contributes to the goals of the EU Mission Climate-Neutral and Smart Cities. It builds on the expertise of 44 partners from 12 different European countries and contributes to the green metamobility era that the Green Deal, 2ZERO, CCAM, Cities Mission, CIVITAS and other EU initiatives aim to reach by 2030.

In the vibrant streets of four trailblazer cities – Amsterdam, Munich, Limassol, and Tampere – metaCCAZE implements, tests and demonstrates cutting-edge technologies and services that support shared zero emission mobility solutions for people and goods, contributing to climate neutrality. Successful technologies and activities will be transferred and implemented in six follower Cities – Athens, Krakow, Gozo, Milan, Miskolc, and Poissy, Paris.

To guide the transformation in the 10 Living Labs, metaCCAZE organises a series of metaDesign activities and develops a toolkit called metalnnovations. This toolkit is pioneered in passenger and freight services (public transport, on-demand minibuses, bike and scooter sharing, deliveries) and related infrastructure (mobility and logistics hubs, traffic management centres, charging infrastructure, transport and energy integration) and widely demonstrated in our four trailblazer cities for a whole year. The activities follow six key approaches:

- Using decentralized AI engines to optimize energy fluxes and fleet management (**align**).
- Establishing an AI-based data warehouse for seamless data sharing among mobility sectors (**harmonise**)
- Deploying innovative charging solutions, including automated and wireless systems (**charge**)
- Enhancing vehicle automation through centralized remote control and advanced driver assistance systems (ADAS) (**automate**).

- Integrating V2X communication protocols to enhance traffic management and reduce congestion (**connect**).
- Optimizing scheduling, operations, and deployment for electric and automated fleets (**manage & operate**).

**To expand the positive effects of the project to other cities in Europe metaCCAZE is looking to engage with 10 additional European cities that can benefit from its first-hand experience.**

The project commenced in January 2024 and is expected to conclude in December 2027. For further information about metaCCAZE, you can visit the [website](#) and follow the project social media ([LinkedIn](#), [X](#)).

## Why is metaCCAZE looking for Observer Cities?

metaCCAZE is currently looking for 10 cities to join as Observers. By integrating them into metaCCAZE, we aim to achieve the next strategic objectives:

- **Transferability and Replication of Successful Use Cases and Their Respective Business, Innovation and Governance Models:** gain feedback to evaluate the transferability of scalable and efficient use cases and their business, innovation and governance models developed within the project living labs. This will allow observer cities to promote, replicate and use these solutions effectively, adapting them to their specific urban contexts.
- **Enhanced Local Capacity:** enhance the governance and innovation capacity of urban mobility and logistics in observer cities by providing them with valuable experience, lessons learned, and best practices from the project's living labs and MetaDesigned Innovations.
- **Stakeholder Engagement:** actively engage stakeholders within Observer cities through co-creation methods and peer-exchange with the Living Labs , facilitating their participation and support in the integration of project outcomes into the cities' operational frameworks.
- **Sustainable Impact:** ensure the lasting impact of the project's resources and innovations beyond its completion through the development of tailored Implementation Plans, thereby creating a sustained positive effect on urban mobility and logistics within the observer cities and their networks.
- **Increased Impact:** amplify the project's impact by raising awareness and understanding of metaCCAZE initiatives, thereby fostering broader and more widespread adoption of sustainable mobility practices.

## Which cities are eligible?

Cities that meet the following criteria are eligible to apply for participation as Observer Cities in the metaCCAZE project:

- **Strategic vision and interest in transforming their city transport.** This could be shown through commitment or strategies to pioneer new products or services or have a Sustainable Urban Mobility Plan (SUMP) active or in development.

- **Climate Neutrality Aspiration:** Cities should aspire to become climate neutral and follow the Mission Cities strategy. This could be shown by the city having confirmed climate neutral plans.
- **Stakeholder Engagement:** Cities should express a genuine interest in actively engaging stakeholders and fostering innovation within their urban mobility practices.
- **Use Cases Adoption:** Eligible cities must be interested in assessing and potentially adopting successful use cases and their respective business, governance and innovation models developed within the project.
- **Knowledge Sharing:** Cities should be open to learning from the experiences and best practices of the project's living labs and be willing to contribute to the project's objectives.
- **Replication Intent:** Cities should express an intention to replicate and scale project outcomes within their communities, thereby extending the project's impact.

The metaCCAZE project primarily seeks applications from cities located in Europe; however, we also welcome submissions from international cities. Please note that for non-European cities, the project may offer remote support but may not be able to provide travel funding. Additionally, preference will be given to cities with limited prior involvement in European projects.

## Benefits for Observer Cities

To support the take-up of innovations and cross-fertilisation across the Living Labs, ten additional Observer Cities will be recruited. The project offers valuable benefits:

- **Receive Cutting-Edge Insights:** Attend at least 2 metaCCAZE workshops, demonstrations or study visits involving the metaCCAZE living labs, with reimbursement of travel expenses up to € 3000 per city.
- **Understand Innovative Solutions:** Closely follow the project activities and demonstrations and have the opportunity to experience and apply the innovative approaches, tools, technologies and strategic frameworks that will be developed and tested within the project.
- **Capacity building to Scaling Success and Collaboration:** Receive guidance and mentoring and access to capacity building activities for Observer Cities.
- **Support development of implementation Plans:** Observer Cities will develop their own Implementation Plan, that will be reviewed and supported by personalised advisory of ERTICO . This will help Observer cities achieve faster deployment of shared, smart and electric mobility solutions at EU level. It will provide recommendations for organisational, technical, financial and social innovation to roll-out NetZero strategies. The Implementation Plans for local and regional transport authorities aim to replicate the roll-out of innovative smart mobility solutions and related infrastructure designed in the Living Labs. Plans will be validated through metadesign activities with LLs, and in consultation with the EC's MISSIONS and SUMP Platform Coordination Group.

## Important

Workshops will be online and in-person. The travel budget will be made available for each observer city. Cities will be responsible for arranging their own travel, with reasonable costs reimbursed by the project (exact rules around reimbursement will be provided on selection), subject to good participation in the programme of workshops and activities. Travelling Observer Cities are

expected to follow their Implementation Plan after the project and share findings and results with ERTICO.

## Contacts

For any questions, please contact **Martina Ferrara Snider** ([m.ferrara@mail.ertico.com](mailto:m.ferrara@mail.ertico.com)).

The application form to become a metaCCAZE Observer City can be found [here](#).

[www.metaCCAZE-project.eu](http://www.metaCCAZE-project.eu)



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