Flexibly adapted MetaInnovations, use cases, collaborative business and governance models to accelerate deployment of smart and shared Zero Emission mobility for passengers and freight

Duration

48 months (Jan. 2024 – Dec. 2027)

Objectives

BY SUSTAINABILITY

- Establish the metaDesign process for zero-emission shared mobility (ZESM) and assess its social acceptance
- Develop the MetaInnovations toolkit offering flexibly 2. adjustable, open, resilient and replicable technological and infrastructural solutions regarding combined electrification, automation and connectivity
- Demonstrate widely the MetaDesigned ZESM UCs for 3. people mobility and freight transport in the 4 trailblazer LLs and validate them in 6 follower LLs
- Boost adoptability of metaCCAZE and influence any 4. European city to accelerate the deployment of metaCCAZE solutions and fertilise the ground for the green meta mobility era

🕅 Steinbeis 👝 🔀 TAMPERE 🖣 ERTICO **TU**Delft 🕒 🖯 🖯 🖉 🖉

Methodology

- **Identify** the technological requirements for sustainable urban mobility
- Select/Develop Technological Tools (i.e. Al dashboards, data warehouses, decentralized AI algorithms, and digital twin platforms)
- Establish infrastructure to support the implementation of various technologies
- Develop AI tools for optimizing ondemand services scheduling using realtime data and machine learning
- Develop frameworks and guidelines to standardise impact assessment, solutions transferability, and transformative governance and business models
- Implement all above within urban mobility planning contexts and continually monitor and evaluate effectiveness of the implemented solutions

2020

HORIZ

ZOEV

Gemeente

Impact

Better planning and public acceptance of ZESM solutions

metoCCAZE

- Reduction in transport related emissions
- Evidence-based policy making
- Better and accelerated replicability, upscaling and adoption of ZESM solutions
- Better excellence and progress of research and innovation on ZESM
- Support the creation, dissemination and capitalisation of knowledge to accelerate the development and implementation of CCAM and 2ZERO enabled solutions

📥 EME/

DB SCHENKER Helin

Technolution 🥿

D MALTA PUBLIC TRANSP