LIVING LABS

OSLO

Oslo will reduce its climate emissions by 95% by 2030 compared to 2009 levels and reduce car traffic with one third. In this context, Oslo tests different solutions in central locations, linked to shared hubs that have the potential to cater for both people and freight, and develops new collaboration and business models linked to data and asset sharing, charging infrastructure and other services.

GOTHENBURG

Gothenburg aims at being one of the first 100 climate neutral cities in Europe by 2030. In MOVE21, the city tackles daily challenges linked to freight deliveries, developing a logistics hub, and waste management. The city does this in densely built locations in the city such as Nordstan, Klippan and Lindholmen.

HAMBURG

Due to a lack of sufficient public transport service, Hamburg tests on-demand service to be integrated in the local public transport tariff scheme. The Living Lab builds on experiences with micro hubs gathered in several EU-funded projects and links hubs in a network. The main test sites in Hamburg are in the district of Altona.

REPLICATOR CITIES

MUNICH

Munich replicates solutions strengthening its Mobility-as-a-Service (MaaS) strategy, the digitalisation of its existing 16 (micro)mobility hubs, and policy level measures on planning Zero Emission Zone (ZEZ) in the city centre.

BOLOGNA

Bologna continues to develop 30 mobility hubs. The city's replication solutions focus on passenger mobility, regulation, and governance, communication, and citizen engagement, promoting active mobility and innovative services for mobility hubs.

ROME

Rome replicates solutions for active modes of transport and promotes measures that favour sustainable freight mobility within the framework of the Logistics Living Lab coordinated by Roma Tre University.

48 months
24 partners
7 European countries

until May 2025

MORE INFORMATION

Project Coordinator
Tiina Ruohonen
tiina.ruohonen@byr.oslo.kommune.no

Communication Manager
Raffaele Vergnani
RVergnani@polisnetwork.eu

FOLLLOW US!

www.move21.eu
twitter.com/move21eu
www.linkedin.com/company/74707535/

PARTNERSHIP

MOVE21 is a collaboration between twenty-four cities and functional urban areas, technology and service providers, industry and SMEs, research organisations and universities and network organisations. The project is funded by the **European Union's Horizon 2020 Program**, has a duration of four years and a budget of almost 9,5 million euros. The City of Oslo is the coordinator of **MOVE21**.

Oslo · City of Gothenburg · Hamburg · Landeshauptstadt München · mobilità Roma · Città Metropolitana di Bologna · Viken Fylkeskommune · Volvo · Urban Sharing · Smart City DB · Parkering Göteborg · Ruter · NXMOVE · TNO innovation for life · toi · RI.SE · CERTH · Transport Research Lab · hcu HafenCity Universität Hamburg · Eurocities · POLIS · IKT Norge · Business Region Göteborg · Renova Miljö

WWW.MOVE21.EU

MOVE 21

Multimodal and Interconnected Hubs for Freight and Passenger Transport Contributing to a Zero-Emission 21st Century

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 953939

CIVITAS

AIM

The main objective of **MOVE21** is to **transform European cities and functional urban areas into climate neutral, connected multimodal urban nodes for smart and clean mobility and logistics.**

MOVE21 will test, deploy, replicate and upscale zero emission solutions through co-creation and combine technological and non-technological innovations to facilitate the effective implementation of transport solutions in cities.

MOVE21 will test and deploy a minimum of 15 innovations, and upscale and replicate 12 of these new transport solutions.

WHY MOVE21?

Transport currently accounts for about one quarter of all climate emissions in Europe, and still growing. Without significant measures, transport will be the largest source of climate gas emissions by 2030. As set in the European Green Deal, to achieve climate neutrality, a 90% reduction in transport emissions is needed.

MOVE21 connects urban systems in an integrated approach and addresses both goods and passenger transport. The aim is to **improve efficiency, capacity utilisation of existing vehicles and transport related infrastructure, accessibility, and innovation capacity in urban transport.** As a welcome side effect, cities become better equipped to handle rapid changes in transport patterns due to unforeseen events such as pandemics.

APPROACH

The overall innovation methodology is based on a **user-centric and dynamic open innovation process**.

MOVE21 will co-create new mobility solutions with quadruple helix partners (public authorities, researchers, businesses, citizens).

WHAT

- **Self-sustaining partnerships** in Living Labs in order to increase innovation capacity in urban areas
- Different types of **zero emission mobility and logistics hubs,** which can include a variety of services such as charging
- **Integrated transport services and technological integration** for combining services from public and private transport service providers
- **New governance, collaboration and business models** that remove or reduce barriers for new, validated solutions and their upscaling

WHAT IS MOVE21?

MOVE21 is an **innovation project** funded by the European Commission. It aims at **transforming European cities and their surroundings into smart zero emissions nodes for mobility and logistics.** The project helps participating cities achieve a 30% reduction of transport-related emissions by 2030 via the implementation of 15 transport-related innovations. The project coordinator is the City of Oslo – innovator city in C40 and European Green Capital in 2019. The cities and regions involved are Oslo, Viken, Gothenburg, Hamburg, Munich, Rome, and Bologna.

SYNERGIES

MOVE21 promotes **collaboration, data and knowledge sharing between urban nodes on corridor level** to identify bottlenecks, best practices, and joint actions across administrative boundaries at corridor level.

- A **Scan-Med Observatory** for coordination, collaboration and data sharing between urban nodes and with other corridors governance structures
- A **platform framework** which other TEN-T corridors can replicate

TRANSFERABILITY

MOVE21 will maximise impact through **uptake measures and dissemination on different levels in Europe**. This will be achieved by:

- A **replication framework**
- A **learning programme** with **peer learning** and **capacity building activities**
- An **Urban Nodes Competence Centre and Urban Nodes Forum**
- A consolidated **SUMP Topic Guide** on implementing **MOVE21** innovations

To learn more about **MOVE21** visit www.move21.eu