

STEERING MOBILITY TRENDS



FOR LOW-CARBON CITIES & REGIONS OF CENTRAL EUROPE

WHAT WE DO

Dynaxibility4CE aims to increase the ability of public (transport) authorities in Central Europe (CE) to deal with new mobility trends by developing strategies and tools that can strengthen their planning capacities and capabilities.

Newer forms of mobility, such as connected and automated driving, and MaaS 'Mobility as a Service', blur classic understandings of mobility options. *Dynaxibility4CE* will ensure the effective integration of these new mobility offers into Central European transport systems and policies by facilitating planning that is more *dynamic* and *flexible!*



TAKING COOPERATION FORWARD

WHO WE ARE

Partners from seven central European countries join their forces to improve environmental management of urban areas.

Austria

- Austriatech
- City of Graz

Belgium

- POLIS Network

Croatia

- City of Koprivnica

Germany

- Leipzig Transport Company
- Stuttgart Region Association
- Rupprecht Consult

Hungary

- Mobilissimus
- BKK Center for Budapest Transport

Italy

- Regional Agency for the prevention, environment and energy in Emilia-Romagna Region
- Municipality of Parma
- Redmint Social Enterprise

Poland

- Krakow Transport Authority

The consortium is further supported by six other associated partners from four different countries.

AT A GLANCE

This project aims to improve capacities for mobility planning in functional urban areas to lower CO₂ emissions.

FACTS & FIGURES



Who funds us

Our project is funded by the Interreg CENTRAL EUROPE Programme that encourages cooperation on shared challenges in central Europe.

With 246 million Euro of funding from the European Regional Development Fund, the programme supports institutions to work together beyond borders to improve cities and regions in Austria, Croatia, Czech Republic, Germany, Hungary, Italy, Poland, Slovakia and Slovenia.

DISCOVER MORE ABOUT
DYNAXIBILITY4CE



Visit our website:
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Challenge

Since many European cities have grown over time from centuries-old city centres to the large urban areas with hundreds of thousands of inhabitants, city-planning faces challenges of navigating new mobility trends and offers on ancient streets. Dynaxibility4CE aims to positively contribute to the modern challenge of rebuilding cities into sustainable low-carbon Functional Urban Areas (FUAs) to overcome many post-war era problems related to traditional fossil-fuelled vehicle use such as pollution, traffic jams, road accidents, and fatalities.

In recent years, cities and regions all over the European Union (EU) have been adopting people-friendly transport policies which support active modes of travel such as walking, cycling and public transport supplied by renewable sources, which all aim to achieve several Sustainable Development Goals to improve health and conserve environmental resources.

Sustainable Urban Mobility Plans (SUMPs) is one such policy, often implemented in Northern and Western Europe, which are being more intensely taken up by CE as Urban Vehicle Access Regulations gain more prominence. Dynaxibility4CE will support CE regions in adopting (and adapting existing) SUMPs to further low-carbon mobility technologies and trends.

Outputs

Dynaxibility4CE will support cities with the preparation, analysis and planning stage of their Sustainable Urban Mobility Plan. This will include a focus on using methodological tools, like air quality measurement, as well as training and knowledge platforms to meet the challenges of their regions.

Therefore, public transport authorities and local authorities in CE will be enabled to plan more dynamically and flexibly for emerging innovative mobility solutions that provide greener and cleaner mobility systems for CE's Functional Urban Areas in future.

The project promotes exchange between partners by providing opportunities to share knowledge, as well as various solutions that combat the common challenge of pollution and its associated health risks in city centres.

Dynaxibility4CE's outputs to improve low-carbon mobility planning capacities are linked to low-carbon mobility and clean air policies and will help to attain European goals of halving conventional car use by 2030 and to reduce emissions by 60% by 2050, agreeing with the 2015 Paris Climate Agreement's call to reduce greenhouse gasses in the EU by at least 40%.

STRATEGIES AND ACTION PLANS

The project will develop new approaches for governance, stakeholder engagement, regulative frameworks and analysis of new and emerging mobility trends and solutions. These will be integrated into the SUMP concept as overarching approach for low-carbon mobility planning and provide guidance for mobility planning in urban areas.

Public transport authorities and local authorities will be enabled to plan a clean air and low-carbon mobility system and local/regional transport policy of the future, based on an alternative mobility narrative with new mobility solutions like MaaS and connected and automated driving (CAD). Furthermore, Urban Access Vehicle Regulations (UVARs) and urban action plans will provide

additional tools for the participating cities or other stakeholders in the CE region.

The project will develop three strategies and managerial approaches that will improve low-carbon mobility capabilities of public (transport) authorities to plan for new mobility trends. The strategies reflect major challenges and lessons learned from all 7 functional urban areas (FUAs) that will be integrated into the following SUMP 2.0 topic guides: 1) Road vehicle automation in SUMP 2) MaaS and SUMP 3) UVAR and SUMP.

Based on analysis of existing plans and following the guidance from the new SUMP 2.0 topic guides, project partners will develop seven action plans for the involved FUAs on integrating new mobility trends into their SUMP. The cities expect to present their results in the beginning of 2022:

CAD: Leipzig, Stuttgart, Graz, Parma
MaaS: Graz, Budapest, Koprivnica, Krakow
UVAR: Parma, Krakow.

TOOLS AND TRAININGS

The project will create methods and tools to analyse the impact on CO2 reduction and improvement of air quality of new mobility solutions. In addition, the project will analyse and further develop a range of options for collecting and using mobility service and air quality measurement data. These new tools and methods will be shared through trainings and knowledge platforms to support cities in their plans to adapt their transport policies. Eleven trainings will be held: seven of which focus on increasing capabilities for more dynamic and flexible low-carbon mobility planning and assessment of planning capacities. The remaining four trainings will be held in combination with webinars for the four newly created tools, which are:

- Adaptation of the SUMP Self-Assessment Tool towards MaaS/CAD readiness
- Guideline for new stakeholder engagement formats in experimental designs/living labs to test public acceptance
- Guideline for MaaS/CAD-ready transport models to analyse impacts on low-carbon mobility systems and air quality
- Guidelines for new data collection & management approaches to plan for mobility measures to improve air quality

Guidelines for MaaS/CAD readiness, measuring data & stakeholder engagement

Recommendations for low-carbon mobility planning and improvement for air quality in FUAs

Sustainability strategy for SUMP 2.0 CE Competence Centre and national SUMP task forces

Dynaxibility4CE Milestones

MAR 2020

MAR 2020

Kick Off

NOV 2020

NOV 2020

Action plans for new innovative low-carbon mobility solutions & improved air quality

DEC 2021

DEC 2021

JAN 2022

JAN 2022

SUMP 2.0 Topic Guides

FEB 2022

FEB 2022

Project close