D.C.3.4 OUTPUT FACT SHEET

Version 2

O.T1.1.2 Strategy for data-based mobility planning in Functional Urban Areas (FUAs)

Project index number and acronym	CE1100 LOW-CARB
Output number and title	O.T1.1.2 Strategy for data-based mobility planning in Functional Urban Areas (FUAs)
Responsible partner (PP name and number)	LP1 - Leipzig Transport Company (LVB) PP2 – Central German Transport Association PP3 - City of Leipzig PP11 – Szeged Transport Ltd
Project website	www.interreg-central.eu/low-carb
Delivery date	30/11/2020

Summary description of the strategy/action plan (developed and/or implemented), explaining its main objectives and transnational added value

Within the LOW-CARB project, the City of Leipzig and Szeged transport Company worked specifically on enhancing the transport data management systems in their FUAs, to develop data-sharing and -integrating strategies towards a more transparent and efficient usage of information in mobility planning and operation. Both partners, with the support of the consortium, local stakeholders, associated partners and external experts analysed the status of (open) data concepts across Europe, and explored the potential for data-based mobility planning in their FUAs. On this basis, the aim of discussions among the FUA stakeholders in both cities was to create a common vision for data-based planning regards to mobility, starting from a complex analysis of the current local transport information system. Furthermore, concepts for data-based mobility strategies in both FUAs have been explored, including the identification of barriers and risks towards implementation, open data policies and regulations, and the architecture of transport data management platforms. The City of Leipzig, together with the PT operator LVB, advanced efforts to develop data-sharing and -integrating strategies towards a more transparent and efficient usage of information in mobility planning and operation. The Leipzig Open-Data Strategy is also meant to support the city's planning efforts towards a low-carbon mobility system. In parallel, the City of Szeged managed to close local agreements towards data-sharing strategies among data owners and users. Moreover, a Szeged FUA open data concept has been developed by the City of Szeged in collaboration with the LOW-CARB partner SZKT and several key actors at the local level, which was integrated with the action planning and governance strategies developed in the LOW-CARB project. The advanced discussions allowed Szeged to identify challenges and opportunities regarding the storage and handling of big data. The negotiation involved addressing uncertainties on how the open-data mobility planner should be built and what type of data can be stored, referring to legal constraints to comply with data management- and privacy-related regulations.

The approaches on data in both Leipzig and Szeged FUAs required finding new ways of cooperation and agreements on joint objectives for data-sharing with "new" actors i.e. other municipalities, regional planning institutions, public transport companies and authorities, or from the private and civic sector. The data-based mobility planning strategies developed in both cities contribute to making mobility in FUAs from Central Europe greener, especially by testing data-based tools that increase data-availability or show new application of data.

NUTS region(s) concerned by the strategy/action plan (relevant NUTS level)

The regions that are covered by the strategy on data-based mobility planning in FUAs refer to 2 functional urban areas:

Functional urban area of Leipzig

Country (NUTS 0)	DE
Region (NUTS 2)	DED5, Leipzig
Sub-region (NUTS 3)	DED52, Leipzig

Functional urban area of Szeged

Country (NUTS 0)	HU
Region (NUTS 2)	HU33, Dél-Alföld
Sub-region (NUTS 3)	HU333, Csongrád

Expected impact and benefits of the strategy/action plan for the concerned territories and target groups

In LOW-CARB, the city of Leipzig has developed an 'Open-Data Strategy', contributing to the provision and integration of the necessary information to digitally support its intermodal urban transport system. The strategy studies the different potential cooperation models and the advantages emerging through the effective use of open data. Furthermore, Leipzig aims to create a 'conductive' ecosystem of open data, nourished by the public sector as well as by private businesses, the academic community and civil society. The main public impact provided in the Leipzig Open-Data Strategy lays in establishing an "open-data culture" and "culture of experiments" by providing creative space for citizen science. The City of Szeged, together with the PT operator SZKT, are further exploring innovative data collection and management solutions. They are working on aggregated traffic flows derived from both PT data and road traffic measurements to allow the entire transport system to become more resilient, to identify promptly issues, to optimize traffic flows and facilitate mobility management.

LOW-CARB initiated significant change towards a more inclusive and low-carbon mobility system by advancing the discussions around the topic of transport data-management and the enhanced collaboration among many different data stakeholders (owners) towards a common vision for data-based mobility planning at the FUA level. Thus, LOW-CARB increased capacities of local authorities in Leipzig and Szeged, as well as in the other partner FUAs who followed up, to better integrate new concepts and methodologies for enhancing mobility planning at the FUA level based on data.

Sustainability of the developed and/or implemented strategy/action plan and its transferability to other territories and stakeholders

The enhanced mobility planning at the FUA level based on data as tested in Leipzig and Szeged has high transferability potential towards other Central European FUAs due to the identified need for a better data collection, management, and integration system, as well as the onboarding of open-data sets. The knowledge platform SUMP-Central[1] - created in LOW-CARB and further developed within the Interreg CE Dynaxibility4CE project[2] - has been further used as one of the main dissemination channels to share good practices on data-based planning from LOW-CARB FUAs across Central Europe. Both Cities of Leipzig and Szeged have proved excellent knowledge sharing processes in the European research arena through their ongoing projects and initiatives. They are furthermore continuing to test new ways of

[1] www.sump-central.eu
[2] https://www.interreg-central.eu/Dynaxibility4CE

including data into the day-to-day mobility planning process and create a holistic approach towards enhanced data integration and utilization.

The LOW-CARB data strategies present innovative solutions that support the ambitious decarbonisation targets for mobility in the involved functional urban areas. Thus, the LOW-CARB data-based planning methodologies developed in Leipzig and Szeged contribute to the priorities of the European Green Deal, which stresses that mobility should become drastically less polluting through a combination of measures addressing emissions, urban congestion, and improved public transport.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

The following relevant related project deliverables published on the LOW-CARB website can provide you with more information on the institutional cooperation models in the three project FUAs:

- D.T1.3.3 Strategy for data-based mobility planning in Functional Urban Areas (FUAs) CE-1100-LOW-CARB-D.T1.3.3-Data-based-SUMP-Strategy.pdf (interreg-central.eu)
- D.T1.4.2 Handbook on mobility strategies in functional urban areas, https://www.interreg-central.eu/Content.Node/LOW-CARB-Mobility-Strategies-in-FUAs-Handbook-EN.pdf