

D.C.3.4 LOW-CARB OUTPUT FACT SHEETS

O.T1.2.3 Action plan for implementation of integrated low-carbon PT services in functional urban area of Koprivnica (Croatia)

Project index number and acronym	CE1100 LOW-CARB
Output number and title	O.T1.2.3 Action plan for implementation of integrated low-carbon PT services in functional urban area of Koprivnica (Croatia)
Responsible partner (PP name and number)	PP6 - City of Koprivnica
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Summary description of the strategy/action plan (developed and/or implemented), explaining its main objectives and transnational added value

The Action Plan for FUA Koprivnica developed in the LOW-CARB project was developed by the City of Koprivnica with the help of external experts and stakeholders in the FUA of Koprivnica.

The City of Koprivnica SUMP Action plan is covering the newly created functional urban area of the City of Koprivnica, which consists of the City of Koprivnica and seven municipalities that are surrounding the administrative area of the City. Total number of inhabitants of the FUA Koprivnica is around 48.800 inhabitants.

Even though the City of Koprivnica is extreme pull factor for the inhabitants from the surrounding areas, there are no public transport connections between the City of Koprivnica and the rest of the FUA and no concrete plans at the regional or national level for the development of transport plans that could address FUA Koprivnica.

The Action plan started by analyzing the travel patterns in the entire FUA area, what are the available travel solutions now, what is the status of these systems, and analyzed the demand for the current transport options. Based on the conclusions of this comprehensive status quo analysis realized together with the affected municipalities, different solutions on how to improve the sustainability of transport in the FUA area have been drafted. The focus was on finding ways (1) to expand the current e-public transport services that the City of Koprivnica has to the larger FUA area, and (2) to develop an intergated public e-bike sharing service and appropriate infrastructure.

The Action Plan proposed several scenarios based on ambitions but bearing in mind also the financial aspects. The proposals are to expand the public bike and e-bike systems to the rest of the FUA area. Also, the proposal is to expand to FUA the e-bus system not in a conventional public transport system, but specifically in cooperation with the school bus system that is currently operating in Koprivnica. The document is also proposing some infrastructural development that could ease the uptake of sustainable transport solutions, mainly connecting the cycling-pedestrian infrastructure inside the FUA area to have a seamless flow of sustainable means of transport between municipalities in the FUA area. The document has also tackled the organizational requirements that are needed for the entire system to work.

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

The NUTS region that is concerned by the FUA Koprivnica Action plan is the Sub-region (NUTS 3), HR045 Koprivničko-križevačka županija. The term of Functional urban areas in Croatia is not used at all. According to the Croatian Law on regional development, Croatia has the central state, cities, municipalities and counties i.e. NUTS 3 sub-regions. The Functional urban area of the City of Koprivnica is an area that is not formally recognized but lies on the natural commuting mobility flows in the region and the connections that exist, from the City of Koprivnica to each individual municipality and vice versa.

1. Functional urban area of Koprivnica

Country (NUTS 0)	HR
Region (NUTS 2)	HR04, Kontinentalna Hrvatska
Sub-region (NUTS 3)	HR045, Koprivničko-križevačka županija

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

The focus of the document is to realise a sustainable transport system in the functional urban area of Koprivnica based on PT services and active modes (cycling). This document is the first attempt to create a common vision of transport that will increase the sustainability of travel on the FUA area. Based on the measures that are laid out in the action plan, the City of Koprivnica and the other municipalities can jointly apply for national or European funding for measure implementation. This would not have been possible without the strategic basis offered by the action plan realized in LOW-CARB.

By implementing these measures, the quality of life of the citizens that live in the area will significantly increase due to the availability of a reliable and sustainable mass transit network. A key point addressed by the document, the infrastructure developments, like the expansion of cycling and pedestrian paths will significantly increase the safety of pedestrian and cyclists in the FUA area. All of these and more measures will improve the transport situation in the FUA area, making it safer and sustainable for citizens.

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

The work at the FUA Koprivnica Action Plan made a big step forward in bringing many municipalities together, enhancing their cooperation, and creating a long-term framework for cooperation, problem solving, and implementation of measures to achieve a unified transport system that reduce disparities between localities.

One of the first steps that was made during the lifetime of the project was to enlarge the ownership structure of the municipal utility company *MUC Komunalac*, previously owned by the City of Koprivnica, to all municipalities in the FUA. By entering the ownership structure of the *MUC Komunalac*, the municipalities have the right to use the municipal services, i.e., the services of public transport (public bike, public e-bike, and public bus system). This decision has given the option to the municipalities to participate in the public transport services coming from areas where these services would commercially not be attractive to the private sector. The Action Plan and the participation in the ownership structure of the transport provider guarantee larger possibility of implementing the measures.

The new governance structures set up in FUA Koprivnica are one of the strongest best practices that have a high take-up potential in all other Central European cities and regions and beyond. The innovative and smart governance setups in Leipzig, Brno, Koprivnica and Szeged, place the LOW-CARB FUAs in the position of frontrunners in Central Europe who can positively influence the processes in other cities. The cooperation models as developed in Leipzig, Brno, Koprivnica and Szeged FUAs, with the PT companies as initiators of the planning process, has high relevance in the current discussion of mobility planning for urban nodes in the regional context with inter-connectivity with the TEN-T network, both for passengers and freight.

Moreover, the PT operator as confident actor in the planning process with a strong role in mobility data management is another important take-up element that can be transferred to any other Central European and European city. The best practices built on the action plan development in LOW-CARB FUAs will be featured in a new SUMP Topic Guide for functional urban areas and peripheral areas, a cooperation among LOW-CARB and CIVITAS ECCENTRIC. Through the publicity around the SUMP Guidelines and the linked Topic Guides and Practitioners Briefings, realized under Eltis, CIVITAS, research and innovation projects and partnerships will ensure the take-up and transferability to regions and cities from Europe.

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

Deliverable D.T1.5.1-4 Action Plan Koprivnica and its two annexes.
[LOW-CARB Handbook on Mobility Strategies](#)