

OUTPUT FACT SHEET

Pilot actions (including investment, if applicable)

Project index number and acronym	CE1161 Smart Commuting
Output number and title	O.T3.1 PILOT ACTIONS
Investment number and title (if applicable)	
Responsible partner (PP name and number)	SZOLNOK (PP9)
Project website	https://www.interreg-central.eu/Content.Node/SMART-COMMUTING.html
Delivery date	27 th of November 2020

Summary description of the pilot action (including investment, if applicable) explaining its experimental nature, demonstration character and transnational added value

The main challenges of mobility in the region are the followings:

- the increasing volume of motorized individual mode of transport in commuting resulting bottlenecks in the infrastructure, traffic jams and contributes to air pollution,
- due to unrealized development in bus fleet and smart technologies like fleet management system, passenger information system, e-ticketing etc., there is a lack of mobility datas.

The 2 elements of Pilot Action:

- Elaboration of concept for implementing a flexible and tailor-made data- and demand driven transport management system based on the number of passengers and the demand for transport in a dedicated action area involving local and suburban public transport services.
- Elaboration of concept for partial substituting (6-8 busses) by alternatively powered vehicles, analyzing the main issues and conditions (for instance infrastructure, maintenance etc.) of implementing alternatively powered vehicles.

The objective for implementing the pilot action is to present (at study level) new and smart technologies, solutions in order to enhance the service level and attractiveness of public transport addressing the environmental issues and the challenges in transport system management. The decision-makers in Szolnok and its FUA will be able to prepare and start the implementation of the 2 elements of the Pilot Action based on the results of the study.

We started the development of the concept and study at the end of 2018 by definition of goals and expectations in a workshop with key stakeholders, Municipality of Szolnok and Volanbusz (local and regional bus operator). After the defined goals and expectations we carried out the As-Is Analysis of the current status of transport of Szolnok and its FUA, based on interviews with Volanbusz and data request.

Based on the result of As-Is Analysis we developed the concept of demand-driven transport and fleet renewal by alternatively powered vehicles. We discussed the concept in a workshop with key stakeholders, Municipality of Szolnok and Volanbusz and based on the results of the discussion we finalized the concept. Finally we executed a risk evaluation and developed the roadmap and action plan for implementation. We present the results of the study at the Transnational Worskhop in 30th October 2020.

The main features and results of pilot action were published internationally in transnational publication by WP lead partners and was presented in mutual learning workshop at the final conference.

NUTS region(s) concerned by the pilot action (relevant NUTS level)

Szolnok and its FUA as a region has no legal status but we could compare it to NUTS 3.

Investment costs (EUR), if applicable

Cost of Pilot Action (Development of Study): 8,300 €.

Partner contribution: 1,245 € (830 € State, 415 € Municipality of Szolnok).

EU co-financing: 7,055 €

Expected impact and benefits of the pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

Since the feasibility study in original language will be available to all stakeholders in Szolnok FUA and the subject of the study is in line with the international, domestic transport trends and strategies and the Transport Development Plan of Szolnok, the study can be used as a completed document both for development of the long-term transport concepts and strategies and for short-term, even daily transport planning for all stakeholders like municipalities, infrastructure and public service providers like MAV, Volanbusz, big employers, like Beres Pharmaceutical, Eagle Ottawa, 2 hospitals, schools and NGO's.

Based on the lessons learnt of the project the Municipality of Szolnok adopted an improved process of urban and project planning, by considering good public transport availabilities in determining project locations.

There are additional funds as well for instance Green Bus Program supporting procurement of approx. 1,200 electric busses for municipalities, or Volanbusz also has an EIB loan for bus renewal (approx. 3500 busses) and has an intention to implement electric busses in several cities.

Sustainability of the pilot action results and transferability to other territories and stakeholders

The intelligent, environment-friendly technologies assessed in the study in case of implementation have a real chance to reduce significantly the environmental load in Szolnok and its FUA, and with new solutions based on their flexibility and suitability for individual needs, more commuters will choose the environment friendly public transport modes.

The topic of the study is very actual issue for other municipalities in developing their transport system and several related EU and domestic programs are available for municipalities in the topic of environment friendly, sustainable transport (for instance Green Bus Program). As a consequence the results of the developed study for Szolnok and its FUA are easily transferable to other decision makers and provide new solutions related to sustainable transport.

The most important lessons learnt is that for public transport planning reliable and concrete information on passengers is a must. Focus should be on implementing environment friendly and sustainable transport systems, instead of infrastructure oriented planning. A participatory planning process involving all stakeholders is also a must.

If applicable, contribution to/ compliance with:

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

The subject of the feasibility study is in line with the international, domestic transport trends and strategies and the Transport Development Plan of Szolnok. Since the stakeholders can use the study for development of long- and short term transport concepts and plans it contributes to plan sustainable transport systems at FUA level.

There are several related EU and governmental programs, like Green Bus Program (based on Green Bus Directives) supporting procurement of approx. 1,200 electric busses for municipalities and public service operators, governmental edicts on incentives for buying e-cars and e-bikes for commuting etc. Volanbusz also has an EIB loan for bus renewal (procurement of approx. 3500 busses) and has an intention to implement electric busses in several cities.

References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links

If applicable, additional documentation, pictures or images to be provided as annex

Main relevant related project deliverables:

- D.T.3.7.1_Pilot_Action_Szolnok (Study)
- SC_CE1161_D.T.3.7.2-Intermediate Report on Pilot Action SZOLNOK
- SC_CE1161_D.T3.7.1_Final report on pilot actions_Szolnok
- SC_CE1161_D.T3.12.1_PPP reports on pilot actions_SZOLNOK

Deliverables be found on the website of Municipality of Szolnok:

www.szolnok.hu

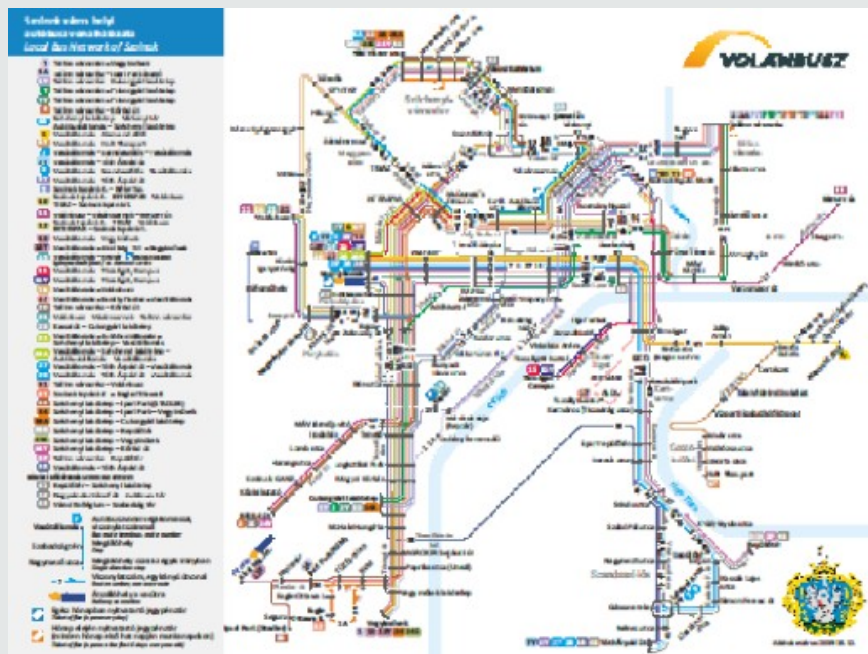


Figure 1: Local public transport network, Szolnok

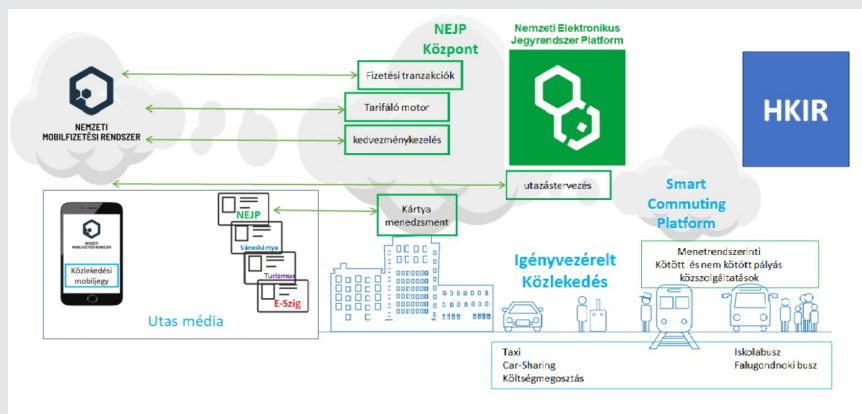


Figure 2: Example of a mobility application supporting demand-driven commuting



