



InnovaSUMP

Interreg Europe



European Union
European Regional
Development Fund

Action plan implementation results

Michal Pospisil

Project Manager of Prague City Hall

michal.pospisil@praha.eu



7. April 2021 Final Conference

Good practice

Use of Travel Behaviour Surveys for the Prague Transport Model

- GP presents various travel behaviour and traffic surveys collected in Prague and its surroundings used for transport demand modeling
- transport model of the City of Prague is used with travel behaviour and traffic surveys by Technical Administration of Road of the City of Prague in cooperation with Prague Institute for planning and development for transport forecast for almost all infrastructure projects in public and road transport
- outputs of these surveys are entered into the transport model made in the PTV Visium software
- results of travel behaviour surveys are also used for describing the current state of demand in passenger transport
- due to regular repetition of the surveys we can observe changes in the travel behaviour over time, the main travel behaviour surveys are carried out every five years
- transport model is also used for many other tasks in the transport planning in City of Prague and its surroundings

Defined Actions in the Prague Action Plan

1. Pilot electrifications of the bus line 140 (Palmovka - Miškovice)

- inspired by the workshop in Nicosia where a topic of municipality's strategies in the field of sustainable energy and climate management were discussed
- with regards to that discussion and conclusions for improving the energy consumption and emissions, City of Prague plans of electromobility promotion include more evident introduction of electric buses into urban public transport

2. Electric buses in public transport - purchase of 14 electric buses

- inspired by the workshop in Ravenna where implemented solution in Viseu (3 electric minibuses operated in city circuit), Nicosia (13 new minibuses EURO VI were bought) were presented
- the biggest inspiration came from Ravenna where multimodal tourist hub were implemented
- with regards to that and to the City of Prague strategies to reduce emissions and increase the attractiveness of the public transport a plan for purchasing of 14 electric buses was set

3. Strategy for Alternative drives by 2030

- inspired by the Nicosia workshop where best practices regarding the integration of SEAP/SECAP into SUMP was shared

Pilot electrifications of the bus line 140 **(Palmovka – Miškovice)**

- **based on the successful policy change within the PA 2 of the Operational Programme – Growth Pole a purchasing new battery trolleybuses is an action directly addressed to the OP and will be fully financend from OP, the cost of purchasing 15 new battery trolleybuses was estimated at approximately 11,5 milion EUR**
- in the first stage of the test operation, the viability of the concept of dynamic charging was verified, based on that full electrifications of the bus line 140 was fully approved for the next stage
- second stage (construction procedure) of this action is currently beeing processed following the successful pilot validation testing
- application was submitted for co-financing of this project from the OP Prague Growth Pole of the Czech Republic
- aim of the project is fully emission-free operation of 15 battery trolleybuses (length 18 m) on the line no. 140 which will be recharged mainly through the system of dynamic charging
- investment costs, including the construction of the necessary infrastructure have been estimated at approximately 7,4 milion EUR
- **This action features in the Interreg Europe publication „When Europe cooperates“**

Pilot electrifications of the bus line 140 (Palmovka – Miškovice)



Electric buses in public transport

Purchase of 14 pieces of standard electric buses

- **based on the successful policy change within the PA 2 of the Operational Programme – Growth Pole a purchasing new battery trolleybuses is an action directly addressed to the OP and will be fully financend from purchasing 14 new battery trolleybuses is an action directly addressed to Operational Programme – Growth pole of the Czech Republic and will be fully financed from the OP Prague Growth Pole**
- the cost of purchasing 14 battery trolleybuses for the line no. 154 was estimated at approximately 9,4 milion EUR
- an application was submitted for co-financing of this project from the OP Prague Growth Pole of the Czech Republic
- during the year of 2021 we expect a tender to be announced
- work is currently underway to deliver pre-project documentation

Strategy for Alternative Drives by 2030

in accordance with the Prague Sustainable Urban Mobility Plan

- document “Strategy of Alternative Drives” until 2030 was approved in 2020 by the City Council of Prague
- Strategy is currently being used as a basic starting point for further urban and transport planning in relevant areas across the City of Prague
- Strategy set out proposals for concrete measures aimed at supporting the development of the use different types of alternative drives in Prague.
- the document is elaborate in the line with the Prague Sustainable Urban Mobility Plan (SUMP)

Conclusions

- participation in the InnovaSUMP project was beneficial for the City of Prague in many aspects
- especially the possibility to exchange and discuss experiences with other partners in the field of sustainable transport, energy and climate was the main benefit for the City of Prague. As a partner we gained a lot of practical knowledge in the given area and a professional capacity of our transport experts and other employees was increased
- with the support of InnovaSUMP project Prague's successfully achieved the goal to improve the addressed Police Instrument by modifying the PA 2 of the Prague Operational Programme
- City of Prague'd like to highlight direct involvement of particular institutions within the project such as Prague Transport Company, Prague Institute of Planning and Development, Department of Transport Development and Department of European Funds which was the key responsible body of the OP for launching new individual calls in PA 2 of the Prague OP which made it possible to finance actions no 1 and no 2 in the Action plan
- City of Prague has fulfilled its commitment and developed the SUMP with the objective to ensure the mobility of its inhabitants enabling their future movement around the City without unnecessary constraints, while improving the quality of life in the City and its environment

Pictures:

Prague Transport Company

Resources:

Prague Transport Company
SMART Prague working group



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Thank you!

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Projects media