

PILOT FOLLOW UP REPORT

WP4 Intermodal Seamless Solutions

4.2 ICARUS cross border development

D.4.2.8 Fostering bike-bus-ferry intermodality in the coastal areas and related hinterland; Open data ICT platform

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List of abbreviations and terms

LP	Lead Partner
PP	Project Partner
AF	Application Form
SUMP	Sustainable Urban Mobility Plan
MCVE	Metropolitan City of Venice

Pilot activity in a nutshell

Piloting activities of the Metropolitan City of Venice (MCVE) entailed initiatives in two different pillars – infrastructural facilities and ICT tools – with the aim of **fostering bike-bus-train-ferry intermodality in coastal areas and related hinterland** (D.4.2.8).

The ultimate objective of pilot initiatives was to enhance and facilitate intermodal solutions for passengers' transport, thus encouraging users to exploit different public transport services available in the whole area of the metropolitan city. These represent a more sustainable alternative to the use of private cars, which is often preferred by users due to the difficulty in finding out which are the available public transport options and cover the last mile with a single transport mean.

In addition, some of the tools developed in the framework of ICARUS will be also useful for the local administration, who will benefit from a better overview of mobility demand and offer and how the service offer can be improved, also with a view to the ongoing development of the sustainable urban mobility plan (SUMP).

More specifically, the first pilot initiative concerned the **acquisition and installation of two bike trailers** – each with a capacity of 15 bikes – to equip one of the bus lines serving the coastal area of the MCVE to ensure an additional service for users travelling with their bicycles and to encourage both citizens and tourists to make use of the available public transport services to reach those areas.

The second initiative has been an infrastructural intervention – also aimed at supporting the use of bicycles combined with other means of transport such as the bus – focused on a **cycling path in the Dese area**, within the municipality of Venice, which needed to be completed with some **additional side works**.

The works mainly consisted in some “end-of-trip” facilities for cyclists to be installed close to the bus stops along the cycling path, as well as several safety and security measures to protect both cyclist and pedestrians from the traffic and dangers generated by the nearby provincial road (SP40).

The interventions related to ICT tools aimed at optimizing and enhancing the existing data and information related to transport and mobility within the territory of the MCVE.

The first of the two pilot activities consisted in the **upgrading of the existing web information portal on transport and mobility** that has been developed by MCVE according to an open data

approach. More specifically, the portal represents an “entry point” for users which offers an overview of the existing opportunities and deliver information on available services in the field of transport, that will be useful both to the local administration and potential users.

The second one consisted in the development of **a webGIS and GIS user-interfaces**, based on the open-source software QGIS, that allow to visualize and edit data, providing a map of thematic representations that can be downloaded by users. A special focus has been placed to road accidents density, as the GIS interface allows users to visualize data on accidents filtered by different factors, such as means of transport involved (with a focus on cyclists), road surface conditions and weather conditions.

Stakeholders

Different stakeholders – including several technical and administrative departments within MCVE itself – have been involved during the whole implementation process of different pilot initiatives aimed at fostering public transport and intermodality in the territory of the MCVE.

More specifically, the cooperation of the local transport operator, currently serving the areas of MCVE and historically collaborating with the municipality on innovative mobility initiatives, was essential in the choice of the right bike trailer that could be easily attached to the busses used throughout the area of MCVE.

Furthermore, the utility and efficacy of the ICT tools that have been developed in the framework of ICARUS have been assessed through a monitoring survey that has been filled in selected personnel of the local administration, both involved in ICARUS and not linked to project activities, which have described the newly-developed mobility portal as an highly intuitive and user-friendly tool that provides an efficient and harmonized overview of available data on mobility related to the territory of the MCVE.

Press involvement

An article promoting the newly equipped bus line with bike trailers has been published on a local newspaper (Venezia Today) on the 26th of April and it is available at this [link](#).

On the same date, MCVE released an article that promoted the project and the activities implemented during its lifetime on the website of the Municipality, available [here](#).

Pilot outcomes

As mentioned above, the outcomes of MCVE pilot initiative are multiple, and more specifically:

- the design, acquisition and installation of two fixed bike trailers to equip one of the bus lines serving the coastal area of the MCVE;
- the completion of a bike path in the Municipality of Dese with additional end-of-trip facilities and small infrastructures for cyclists;
- the upgrading of the existing web information portal on transport and mobility of the MCVE with new functions and harmonization of data coming from different sources;
- *the design and implementation of of a webGIS and GIS user-interfaces, based on the open-source software QGIS, focused on road accidents density.*

These initiatives have a high potential of replicability and scalability, not only to neighboring territories but also to the whole region and IT-HR cross-border territory. The MCVE intends to keep cooperating with partners from this area to keep implementing projects supporting intermodality and a more sustainable transport sector.



