MIMOSA

D.5.1.10

Pilot actions and Investments report

Report: [ ] interim   ()

               [X] final   (27/04/2022)

Working Package n:	5
Activity (n. and description):	5.1 Analysing existing, re-use and development of new smart technological tools and advanced solutions
Deliverable (n. and description):	(D.5.1.10) No. 1 Set of devices for digital information and advanced solutions to enable better harmonization of services for sustainable intermodal mobility (No. 1 information panel for gathering all relevant information and electrical distribution pedestals - enhancement of maritime transport). Resp. Partner PP14 (M30)
Responsible Partner:	PP14 RPA
Deadline (as from the original AF):	06/2022
Finalized on:	04/2022

1. Background, scope and description of the pilot action

Sustainable mobility can be achieved when all relevant information is **available on important nodes. Port authority disseminates information about the maritime transport schedules and since that e-bikes are already installed, and in City of Rovinj – Rovigno are possibilities for multimodal options (bike), there was a need to install user friendly information panel with information important for passengers. MaaS system is not yet developed but with transport options development and its digitalization, the main steps are achieved for follow up.**

From now on, passengers will have opportunity to have information about bike routes, maritime transport and other information in one place. Sustainable mobility will be enhanced because from 2021 there is a new bike route from Rovinj to Kanfanar where is existing train station connecting Istria region (north-south)

The i**nvestment includes** the **installation of equipment (smart bench) with** a **digital screen where all information for passengers** is **disseminated.**

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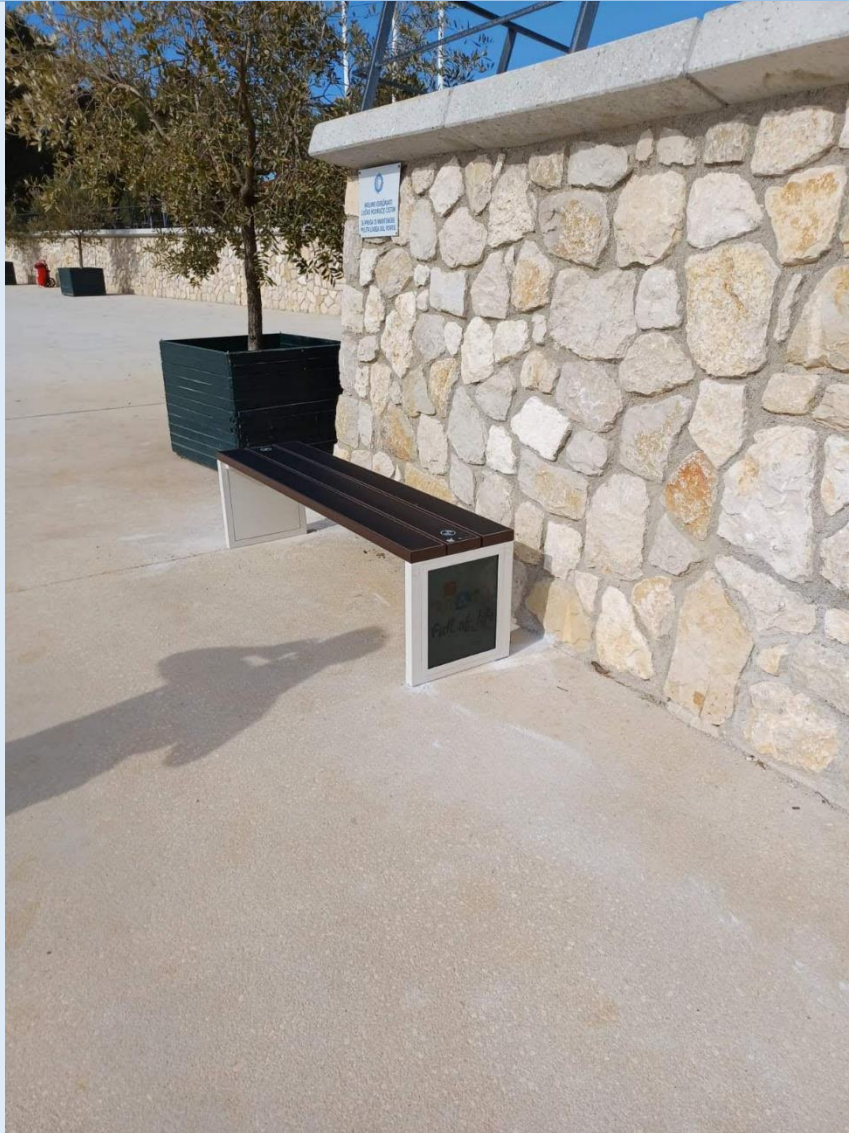🌐 **www.italy-croatia.eu/acronym**

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2. Implementation of the pilot action (including a description of the externalized services/supplies/works)

(min1.000 Characters)

Installed equipment is located in San Pelagio port of Rovinj, 2 kilometres **from Rovinj city** centre **and 1,5** kilometres **from Valdibora port of Rovinj, which is according to SUMP criteria acceptable to reach by walking or by bike. In order to provide successful pilot implementation, market research was done and public procurement for external service enabled equipment supply and installation. Selected supplier was the best option according to procurement criteria and for the pandemic reasons we have been waiting longer than it was estimated while writing project proposal, but it was still in time (by the M30).**
External services provided installation of the multifunctional smart bench with LED info screen which is on the frequent place and enables passengers, tourists and bikers to get informed about the schedules and bike routes. Also, external service of digital equipment considers:
- **Solari anti-vandal**
- **SIM connection**
- **2 x Qi wireless charger**
- **LED light**
- Sensors
- **GPS**
- **Solos Smart City platform**

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San Pelagio

GRAD ROVINJ-ROVIGNO
CITTÀ DI ROVINJ-ROVIGNO

Poštovani,

Iznimna nam je čast pozvati Vas na svečano otvorenje nove Sjeverne komunalne luke San Pelagio, koje će se održati **u srijedu, 15. rujna 2021. godine s početkom u 11 sati na lokaciji luke San Pelagio.**

Sjeverna luka San Pelagio, investicija je vrijedna 53.312.039,53 kn, koju su većim djelom pokrili Grad Rovinj-Rovigno i Lučka uprava, dok je Ministarstvo mora, prometa i infrastrukture osiguralo 8,5 milijuna kuna te Istarska županija 1,6 milijuna kuna. Komunalna luka imat će vezove isključivo za plovila građana za osobne namjene čime će se uvelike pridonijeti rasterećenju gradske luke Andana u samom centru grada.

U sklopu otvorenja Sjeverne komunalne luke San Pelagio biti će predstavljen Interreg projekt MIMOSA – Maritime and MultimOdal Sustainable pAssenger transport solutions and services.

Veselimo se Vašem dolasku,

Molimo da Vaš dolazak potvrdite najkasnije do petka 10. rujna 2021. godine na email:
tajnica@rovinj-rovigno.hr / sandra@port-rovinj.hr

Otvorenje će se održati uz pridržavanje nužnih epidemioloških mjera, a uzvanici će za ulazak na manifestaciju morati predočiti COVID-potvrdu o preboljenom koronavirusu, potvrdu o testiranju s negativnim rezultatom ne stariju od 48 sati ili COVID-putovnicu, sve prema odredbi Stožera civilne zaštite RH

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3. Information about stakeholders role/involvement

Please list the key involved stakeholders and provide a brief description of each of them and their role in the pilot action/investment development/implementation. If possible please describe also the stakeholders involvement strategies adopted.

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- **Coordination of information dissemination of important information including Štrika-Ferata (bike route connecting coast and train station)**

Istria region
- **Public authority, informed about the pilot action during** the **public event where the other PP14 pilot was presented (15.09.2021)**

Rovinj tourist board
- **Coordination about information to be disseminated with passengers**

Transport providers
- **Information about the maritime transport schedule**

Based on mobility needs and gaps analyses in Istria region (IDA's deliverable within ICARUS project), RPA identified important stakeholders for the pilot action development and implementation.

4. Lessons learnt and conclusions

(min 1.000 Characters)

Pilot result is better than **expected since LED digital panel is integrated in**to **the bench and confirms multifunctionality such as charging option,** anti-vandal **protection and fits in** the **environment according to materials**.

For the advice, institutions **planning to do the same can try to re-do market research because technology offer and development is growing rapidly so it's better to have more information about the possibilities and additional** multifunctionalities.

This experience is shared with stakeholders, **but it is also installed on the frequent area where all passengers cannot skip it** (**so** that **its dissemination is confirmed**).

The pilot **installed equipment has fast charger, WI FI hotspot, hybrid module, SIM connection and LCD display, which confirms that it is in line with ongoing passengers needs and base point for MaaS development.**

Important lesson is that it is important to have regular communication with local and regional stakeholders **in order to have updated** information **which will be shared on the screen. Since that the bench is located in** the **new port**, within the **is near city** centre **but also** close to the **train station from which** starts **new bike route (connecting Rovinj and Kanfanar train station),**

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this equipment installation enables promotion of events, bike routes and maritime schedules from Rovinj to Italy.

5. Problems found and adopted solutions

(min 1.000 Characters)

Please list the major problems found (in phase of pilot action/investment definition, implementation and management) and the adopted solutions to overcome these problems. Consider to provide suggestions to others technician interested in developing a similar pilot action/investment.

The main problem was in the **delivery time of** the **ordered equipment. It is important to have in mind that some parts could be delivered later than estimat**ed **especially according to** the **pandemic situation and war in Ukraine. Port of Rovinj analysed potential consequences and there wasn't any risk which could impact the realization of the project objectives. Port of Rovinj extended the deadline for delivery and in order to** achieve **successful realization, it was important to have regular communication with** the **external provider.**
Other technicians interested in developing similar pilot actions should have in mind that passenger **needs are changing and more tailor-made options are available. The risk can be decreased if the equipment is multifunctional, has internet access** as well as the **possibility to be updated with** information **for stakeholders.**
For the LCD display, it **is also important to plan which content will be produced and who is the target group. Before its installation it could be investigated if the panel can be "tailor-made" in order to integrate different options.**

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6. Expected follow up (after project closure)

(min 1.000 Characters)

Expected follow up in the brief, medium and (if possible) long terms.

The follow up can be the **installation of similar devices on other places or it can be upgraded with other transport options (micromobility solutions in the area). For the** long-term **period, if MaaS develops, ticketing solutions can be elaborated and integrated.**
MEDIUM TERMS FOLLOW UP:
- **Installation of e-sharing services (bikes,** scooters**)**
- **Installation of e-charging options from renewable energy sources**
- **Collection of all multimodal options on one place (bike, train, boat)**

LONG TERMS FOLLOW UP:
- **Integration of transport options on Via Istra platform (provided by partner IDA)**
- **Establishment of micromobility options available 24/7 for passengers arriving in port od Rovinj**

This project has a great potential of capitalization and this pilot action enables to spread the network of available digital devices providing relevant information. For **ticketing** solutions, **it is important to identify best points for digital printing or QR ticketing not only for local/regional transport but also for cross-border MaaS.**

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