

D.3.5.3

Publishable report on implemented multimodal connections

Project details

PROJECT ACRONYM	SUTRA
PROJECT FULL TITLE	SUSTAINABLE TRANSPORT IN ADRIATIC COASTAL AREAS AND HINTERLAND
AXIS	Maritime transport
OBJECTIVE	4.1 - Improve the quality, safety and environmental sustainability of marine and coastal transport services and nodes by promoting multimodality in the Programme area
START DATE	01.01.2019
END DATE	30.03.2023

Deliverable details

WORK PACKAGE	WP 3 - Improvement of existing local transport through multimodal services
ACTIVITY NUMBER	3.5 - Evaluation of pilot actions and proposals for improvement and sustainability
PARTNER IN CHARGE	PP5 - ISIG
OTHER PARTNERS INVOLVED	ALL
STATUS	Final
DISTRIBUTION	Public
DATE	22/06/2023

Implemented Pilot Actions





- 1 Municipality of Chioggia** – assisted and e-bike sharing **2 Municipality of Ravenna** – assisted bike sharing **3 Split-Dalmatia County** – e-bike sharing and charging stations **4 Municipality of Caorle** – e-bike sharing and charging stations **5 Municipality of Poreč-Parenzo** – e-minibus **6 Municipality of Vodnjan-Dignano** – e-bike sharing and charging stations **7 Community of Friulan Riviera** – assisted bike sharing and charging stations **8 Municipality of Pescara** – e-bike sharing and charging stations **9 City of Split** – assisted and e-bike sharing and charging stations

Chioggia

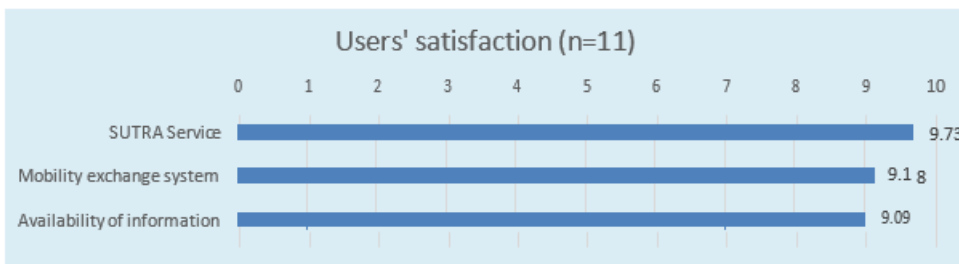
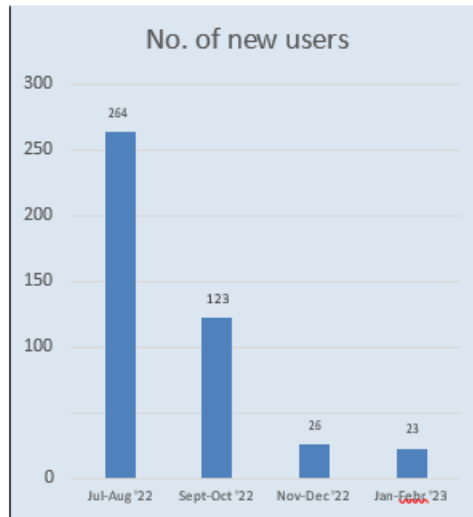
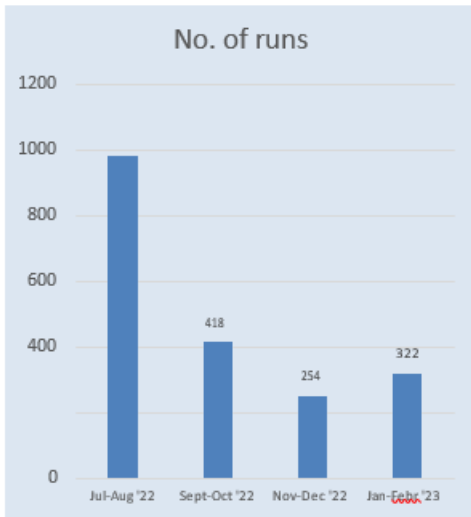
 **56** bikes

 **14** e-bikes

 **3** fixed hubs

 **9** mobile hubs

The Municipality of Chioggia implemented a mixed model of bike sharing, with a fleet composed by 48 normal bikes, 14 e-bikes, and 8 children’s bikes, and 3 fixed and 9 mobile (or virtual) stations. Bicycles are equipped with a smart locking system that allows them to be picked up and returned either at fixed stations or other dedicated areas. The system was activated in July 2022.



Ravenna

 **45** bikes

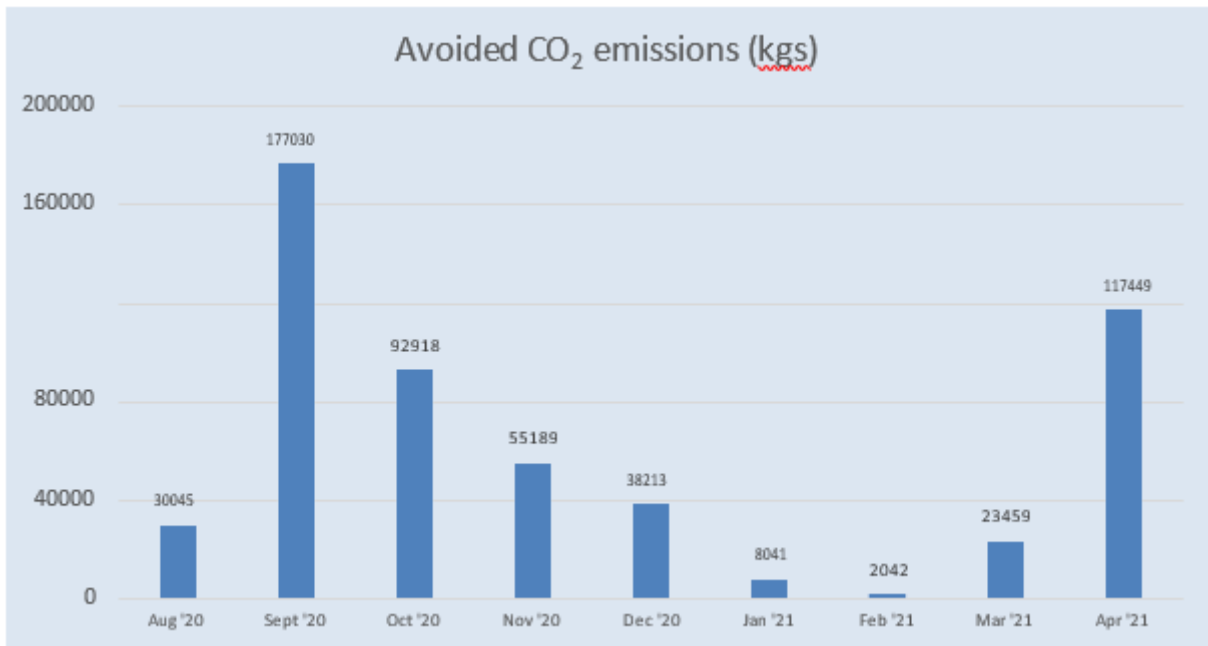
 **5** hubs

 **176** subscriptions

 **3,852** travelled km

In 2020 the Municipality of Ravenna established a new pedal-assisted bike sharing service, with 5 intermodal stations and 45 pedal-assisted bikes. The system was called “Port-to-Port” since it aimed at connecting the historic and non-historic ports of the area. The pilot action ran from August 2020 to June 2021. Unfortunately, due to management issues, the service was then interrupted.

Data on subscriptions and travelled km are related to the timeframe August 2020-April 2022.




Split-Dalmatia County

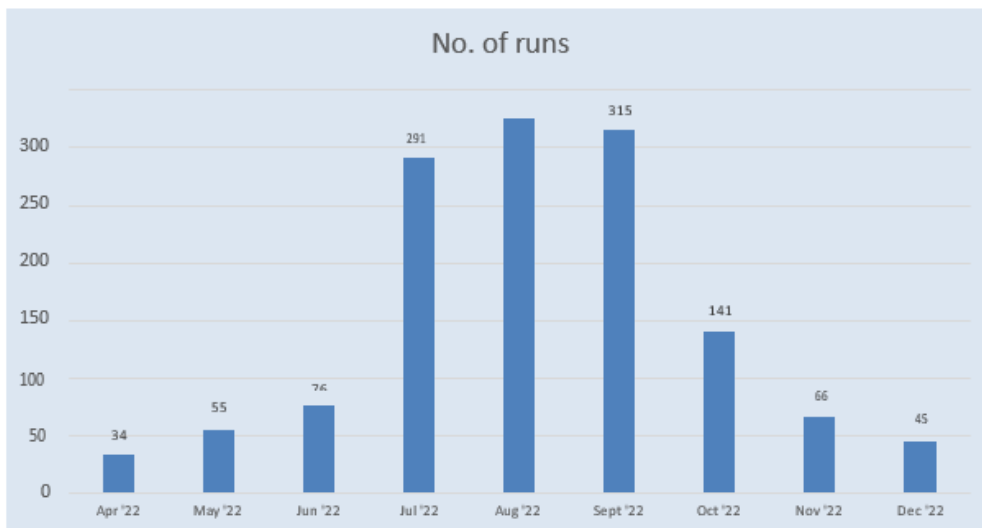
 **24** bikes

 **12** e-bikes

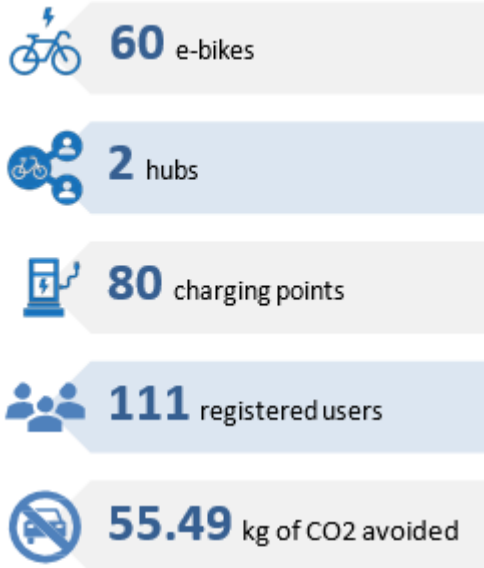
 **6** hubs

 **6** charging points

The Split-Dalmatia County implemented a bike-sharing system with e-charging stations for vehicles. The bike sharing system has been set up in the towns of Solin, Sinj, Klis, Otok, and Hrvace. An e-charging station for vehicles (50Kw with three different connections) was installed in the town of Dugopolje. The system started its operations in April 2022.



Caorle

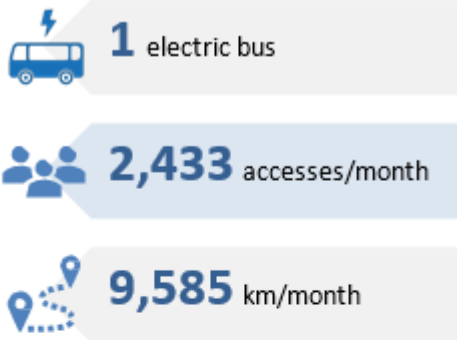


The action implemented by the Municipality of Caorle consists in the establishment of a network of pedal-assisted bike sharing, with the construction of two stations. The system was completely installed in December 2022 and the service started in February 2023. The system includes also a branded app and a back-end management dashboard (Caorle On Bike).

Data on users and avoided emissions are related to March 2023.



Poreč - Parenzo



The city of Poreč-Parenzo has acquired an electric powered minibus, suitable for people with disabilities, with a capacity of 20 passengers, so to implement an experimental sustainable solution for connecting the city centre with the hinterland. The e-mobility service started its operations in December 2021

Data on accesses and travelled km are related to the timeframe December 2021-December 2022.



Vodnjan - Dignano



30 e-bikes




5 hubs

The Municipality of Vodnjan-Dignano bought 30 electric bicycles. Energy for bicycles on five stations and charging locations (Vodnjan city centre; Kažuni thematic park; Galižana; Peroj; Barbariga beach) is provided by solar panels, which contributes to green policies and helps to strengthen awareness of environmental protection. The service is intended to provide a new type of mobility in order to attract touristic flows from the coastline towards the hinterland.

Community of the Friulan Riviera

 **18** city bikes

 **6** mountain bikes


 **3** hubs

The Comunità Riviera Friulana (Community of the Friulan Riviera) proposed a pilot project to strengthen the river link (River Stella) between the coastal area and the hinterland, to promote tourism and increase the number of bicycle path users. Three bike-sharing stations (located in Lignano Sabbiadoro, Palazzolo dello Stella, and Precenicco) were established, each of them equipped with 8 pedal-assisted bicycles (6 city bikes and 2 mountain bikes), for a total of 24 vehicles. The stations host an info totem, bike racks and electric charging points. At the time of the conclusion of Monitoring & Evaluation activities envisaged by SUTRA project, the service was in the activation phase.

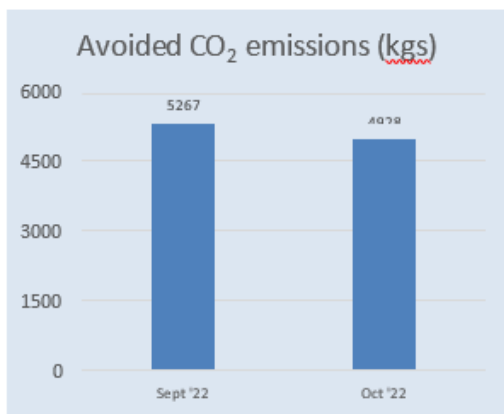
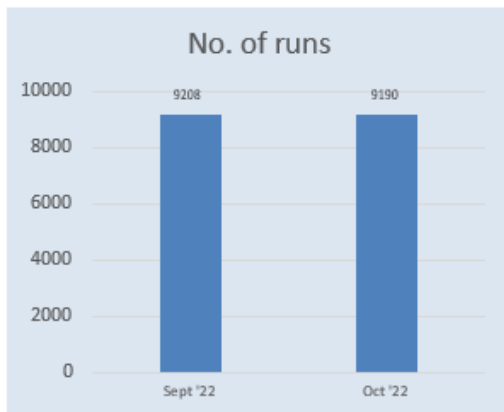
Pescara

 **10** e-bikes

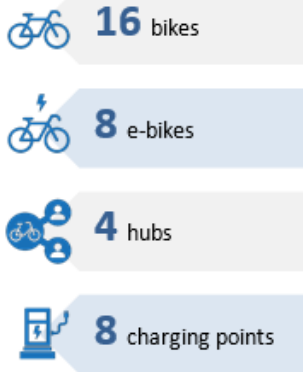
 **3** hubs

 **12** charging points

The Municipality of Pescara has added three new environmentally friendly hubs to the already existing ten ecological mobility sites, with the aim of ensuring a better connection between the Port, the airport, the hospital and the city centre. The three hubs are equipped with "light" solar panels for 1kW of electric power production: during sunny days, this power is sufficient to recharge bikes and allow for the displays, Wi-Fi router and CCTV system to work.



Split



The City of Split has improved its public bike sharing system, adding 16 bicycles and 8 e-bikes at 4 hubs (all provided with bicycle parking stands, communication terminals and user cards). Location of stations was chosen by taking into account several factors, like availability of electricity, availability of the Internet, access to a service vehicle, most visited areas and relevant institutions, and connection with public transport lines (urban, suburban and intercity bus, railway lines, boat connections).

