

Improving maritime and multimodal transport services between Italy and Croatia: the experience in MOSES project and the expectations from ICARUS project.

Trieste | May 7th, 2019

MOSES - Maritime and multimodal transport Services based on Ea Sea-way project

PROJECT MAIN DATA

Partners: 5

- Friuli Venezia Giulia Region
- Molise Region
- Fondazione Istituto sui trasporti e la logistica – ITL
- Region of Istria
- Primorje - Gorski Kotar County

DURATION: 18 months (01/2018-09/2019)

TOTAL BUDGET: 1.175.085,00 euro

MOSES MAIN GOAL

The project aims at improving maritime and multimodal transport services between Italy and Croatia, through the capitalisation of the results of EA SEA-WAY, towards quality and sustainable cross-border connections.

Where did we started from?



Europe Adriatic Sea Way

Strategic project co-financed within IPA

Adriatic 2007 – 2013 Cross border co-
operation project with 20 partners,
representing 8 countries.

What was done in Ea Sea-Way?

“Pilot actions” main activities:

- Realization of physical infrastructures, strengthening of ports for passenger transport;
- Establishment of “short-sea ferry/fast Ferry/hydrofoil” passenger lines across Adriatic;
- Integration of Adriatic ports with hinterland and improve services for passengers

MOSES MAIN OBJECTIVES

- Offering alternatives to individual car travelling between Italy and Croatia to overcome problems created by congestion, pollution, lack of accessibility and connectivity;
- Creating favorable conditions for people to choose maritime against individual car transport as it represents a convenient and environmental friendlier way to travel;
- Improving multimodal connections to hinterland for maritime passengers to allow sustainable journeys to final destinations.

MOSES PILLARS

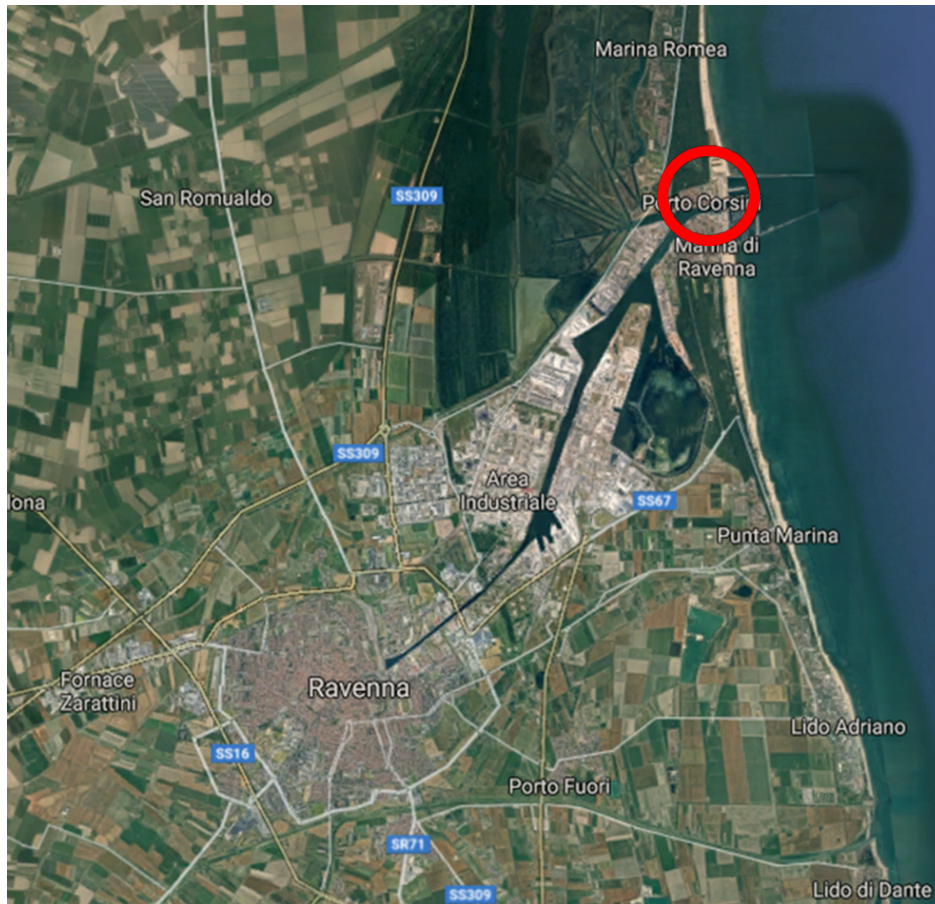
- Setting up the framework for successful pilot activities
- Piloting new connections and improving services
- Ongoing and ex post evaluation and take up of results

Ravenna Pilot

Increase the attractiveness of Ravenna port and its hinterland by fostering an efficient transport system guaranteeing sustainable connections between the cruise passenger terminal in Porto Corsini and Ravenna historical city center.



Ravenna Pilot



The Ravenna Cruise Terminal is 20 minutes drive from Ravenna city center (12km).

Nowadays tourists reach the city center mainly with shuttle services organized by the cruise companies.

Independent travelers can reach the city center with public transport (bus service) but stops are not close to the cruise terminal

Ravenna Pilot



Key challenges:

Improve multimodal transport chains between port and city center;

Offer sustainable and innovative transport solutions for cruise tourists (mainly independent travelers);

Guarantee the Moses service beyond the end of the project

Ravenna pilot in numbers

18 electric bikes;

1 electric tricycle for people with disabilities;

19 GPS;

20 helmets and security lock systems;

1 container transformed into a “Mobile Hub”;

Moses project graphic communication/advertising materials.

Ravenna Pilot

Why a Mobile Hub?

- ❖ Mobile to meet seasonal characteristics of the cruise services;
- ❖ Mobile to provide services in different points;
- ❖ Mobile to allow the transferability to other Adriatic ports.



Ravenna Pilot

Why electric bikes for intermodality promotion?



- ❖ More than 50 km of autonomy;
- ❖ Easy to charge batteries;
- ❖ Easy to use;
- ❖ No license needed;
- ❖ Low cost compared to others sustainable transport solutions.

Ravenna Pilot

- The 100% of users declare to be very satisfied of the electric bikes free rental service;
- The 80% of the users declare electric bikes is the best way to move in port surroundings;
- The 70% of users declare to use an electric bike for the first time in their life;



Ravenna Pilot



The tourists monitored mainly use the Moses electric bikes to reach touristic attractions within 2 km.

However, several tourists reached the Ravenna city center thanks the electric bikes (more than 30 km). This is a big news for key local public and private stakeholders.



Ravenna Pilot

MANAGING SOLUTIONS:

ITL Foundation signed an agreement with the Ravenna Cruise Terminal manager company. With this contract the cruise terminal manager have committed to:

- Managing the e-bike sharing service during all the test activities providing the e-bikes for free to tourists (Summer 2018);
- Carry on the electric bike rental service beyond the project duration.

The terminal manager is very satisfied of the service and he decided to buy the Moses bikes and equipment in order to continue the service also in the next years.

Friuli Venezia Giulia Pilot n.1

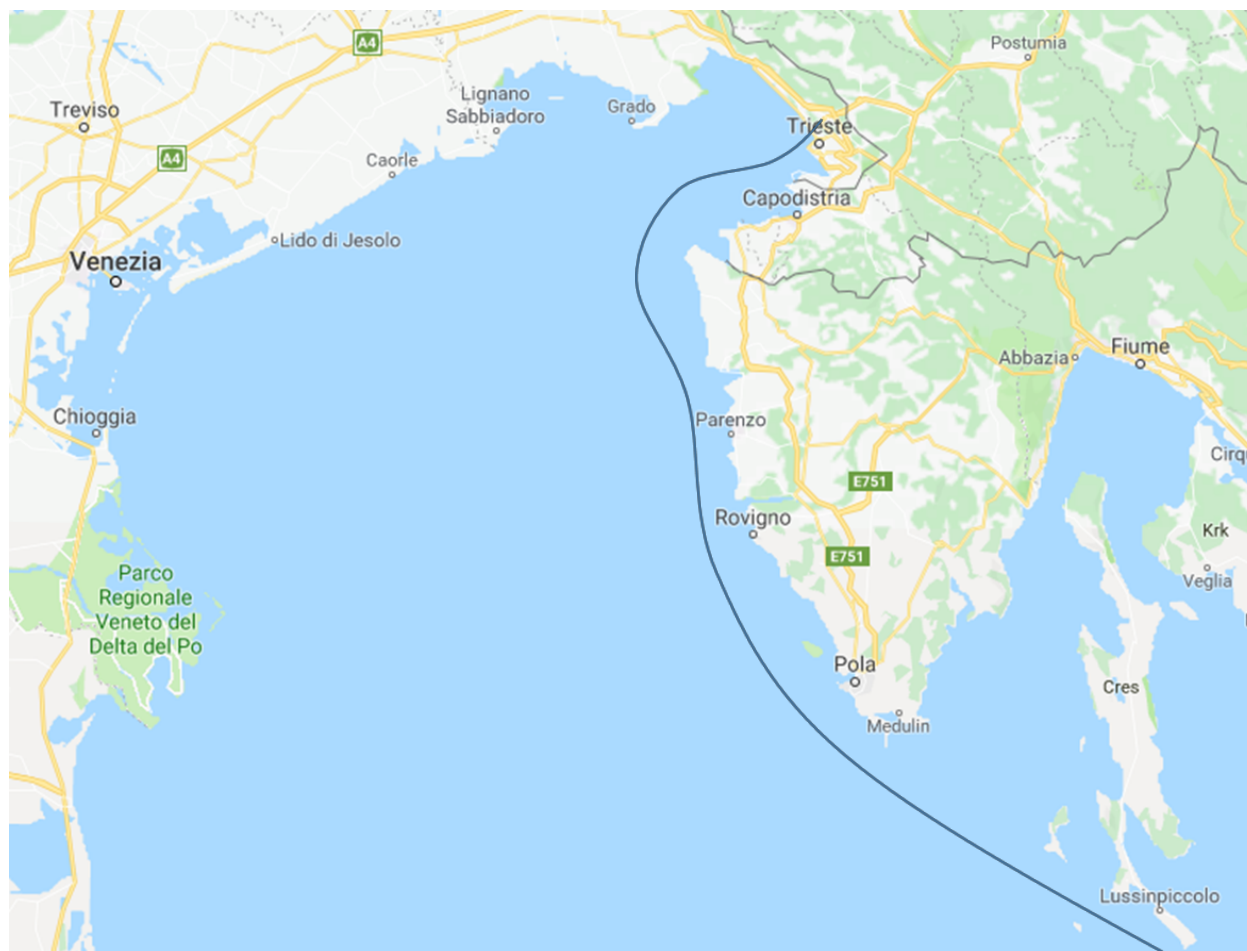
Pilot action for a maritime fast-line transport service for passengers for directly link Trieste to Region of Istria and to Primorje - Gorski Kotar County (Mali Lošinj and Susak)



Friuli Venezia Giulia Pilot n.1

MAIN GOAL:

Extend the existing summertime line to connect Trieste directly to Istria and to Primorje Gorski Kotar County, linking after many years Trieste to Mali Lošinj and Susak, including a day dedicated to the new line in the weekly schedule.



Friuli Venezia Giulia Pilot n.1

MAIN CHALLENGES:

The market offers of maritime lines connecting Italy, Slovenia and Croatia are poor and not satisfactory;

Activate a maritime lines service during the summer is fundamental in order to tackle relevant congestion and pollution problems faces these cross borders areas during the summer period;

Since 2004, Regional public authority provide their financial and institutional support in order to activate such a services. A specific legislative and policies framework was defined.

Friuli Venezia Giulia Pilot n.1

Design of the new line: main steps

1. Checking with Liberty Lines and stakeholders the feasibility of the new destinations;
2. Defining an appropriate sailing schedule in agreement with the two Croatian counties.



2018 sailing schedule

LIBERTY LINES

Trst - Istra - Mali Lošinj

Red plovidbe za 2018. godinu

u razdoblju od 28.06. do 09.09.

Ponedjeljak			Utorak	Srijeda			Četvrtak			Petak			Subota & Nedjelja		
LUKA		VRIJEME	b e z p l o v i d b e *	LUKA	VRIJEME	LUKA	VRIJEME	LUKA	VRIJEME	LUKA	VRIJEME	LUKA	VRIJEME		
Trst	o.	09:00		Trst	o.	08:30	Trst	o.	09:00	Trst	o.	09:00	Trst	o.	09:00
Pula	d.	11:15		Rovinj	d.	10:00	Poreč	d.	10:00	Rovinj	d.	10:30	Piran	d.	09:30
	o.	11:25			o.	10:10		o.	10:10		o.	10:40		o.	09:40
Mali Lošinj	d.	13:15		Piran	d.	11:20	Piran	d.	11:00	Mali Lošinj	d.	12:40	Poreč	d.	10:30
	o.	16:15			o.	11:30		o.	11:10		o.	16:50		o.	10:40
Pula	d.	18:05		Trst	d.	12:00	Trst	d.	11:40	Rovinj	d.	18:50	Rovinj	d.	11:10
	o.	18:15			o.	17:00		o.	17:00		o.	19:00		o.	18:00
Trst	d.	20:30		Piran	d.	17:30	Piran	d.	17:30	Trst	d.	20:30	Poreč	d.	18:30
					o.	17:40		o.	17:40					o.	18:40
			Rovinj	d.	18:50	Poreč	d.	18:30				Piran	d.	19:30	
				o.	19:00		o.	18:40			o.		19:40		
			Trst	d.	20:30	Trst	d.	19:40				Trst	d.	20:10	

o.= odlazak

d.= dolazak

*= bez plovidbe u utorak iz razloga tjednog održavanja



European Regional Development Fund



EUROPEAN UNION



REGIONE AUTONOMA
FRIULI VENEZIA GIULIA

Friuli Venezia Giulia Pilot n.1

2018 overall main results:

Total Passengers Numbers		
2018	TOT. Embarked passengers	TOT. Disembarked passengers
Trieste	5.034	5.079
Piran	1.849	1.736
Poreč	963	856
Rovinj	1.994	2.185
Pula	152	153
Mali Lošinj	535	518
TOTAL	10.527	10.527

MOSES line main results:

MOSES LINE		
2018	TOT. EMB.	TOT. DIS.
Trieste	1247	1134
Rovinj	447	576
Pula	152	153
Mali Lošinj	535	518
TOTAL	2381	2381

The expectations from ICARUS project.

ICARUS - Intermodal Connections in Adriatic-Ionian Region to Upgrowth Seamless solutions for passengers

Partnership

LP- Istituto Trasporti e Logistica, Bologna, Italia

PP01 - Agenzia Regionale per le Attività Produttive, Villanova di Cepagatti (PE)

PP02 Regione Autonoma Friuli-Venezia Giulia, Trieste, Italia (WP5)

PP03 Venice International University, Venezia, Italia

PP04 HZ Passenger Transport, Zagreb, Croatia (WP3)

PP05 Intermodal Transport Cluster, Rijeka, Croatia (WP4)

PP06 Regione Emilia-Romagna, Bologna, Italia

PP07 Central European Initiative, Trieste, Italia (WPC)



PP08 Istrian Development Agency, Pula, Croatia

PP09 Città Metropolitana di Venezia, Mestre, Italia

ICARUS in a nutshell

- Objective: create new intermodal solutions taking in consideration passengers' mobility needs and allowing the maximum level of flexibility for users.
- Promotion of intermodal connections in the Adriatic Ionian Region
- Focus on innovative technologies to adapt smart mobility, sustainable multimodal and seamless transport solutions, pilot/test actions
- ICARUS is a policy and authorities targeted project



1st January 2019
30th June 2021

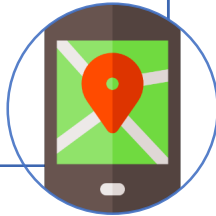


2.2 M€

Approach of the project

- implementing MaaS concept: citizens should be allowed to get from A to B using different means of transport.
- integrated and intelligent technological system, e.g. integrated billing system.
- Pilot & testing

ICT/MaaS



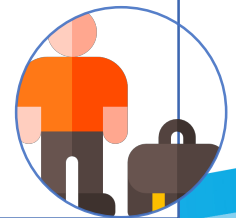
- Transport services and facilities to foster multimodality
- Harmonization of timetables of different public transport means will also represent a key project topic

Transport services and Multimodality



- Actions and strategies for a behavioural change which complement services development and integration.
- Only with behavioural changes actions, the project can achieve its results.
- Behavioural change campaigns

Behavioural Change



Challenges

- **Bottlenecks** in multimodal connections and governance
- **Lack of efficient multimodal networks** (road, rail, air, water transport), as well as low connectivity and mobility of peripheral areas
- **Link** in the transport chain which integrates intermodal transport with technological solutions and changes behaviours



Objectives (1/2)

- Objective 1: ICARUS activates a transnational policy learning dialogue and improves the awareness of private transport operators and users in order to foster a behavioural change and create the conditions for a mobility concept change.
- Objective 2: **change mobility behaviours**, by educating people about sustainability related issues and enhancing the sense of community as a consequence of the use of intermodal transport solutions and sharing mobility.

Objectives (2/2)

- **Objective 3:** Long-term vision & regional policy planning in intermodal mobility
 - ICARUS will deliver improved policy making for intermodal seamless mobility planning in the area.
- ICARUS will develop a transnational process of roll-out and transfer of its results and build a transnational strategy for intermodal seamless solutions

Main expected results of the project

Improvement of capacities of the public sector & related entities for low-carbon intermodal mobility in the project area.

Improving passengers intermodal connections in and between the territories of the Programme area

Fostering behavioral change of transport users and increasing the use of intermodal low carbon transport solutions

easing the sustainable transport integration of the coastal and hinterland areas

creating seamless multimodal and environmental friendly intermodal transport solutions

boosting existing or new maritime connections among the Italian and Croatian coasts by raising the level of service of ports land side

Pilots & Case study (1)

FVG

a) Intermodality bike-train development from hinterland to the coast in FVG

b) Cross-border bike&bus service to connect Parenzana and CAAR cyclepaths

ARAP

Infomobility and integrated ticketing, real time check in and tracking for passengers

CMVE

Fostering bike-bus-train-ferry intermodality in coastal areas and related hinterland

RER

Dynamic travel planner for seamless intermodal solution

Pilots & Case study (2)



Bike+train+ferry
transnational
Corridor in
north Adriatic
axis



*Integrated
ticket system
in HR:* ticket
price,
integrated
intelligent
ticketing
systems,
web/mobile
applications
and
connecting
software
systems




Sustainable
intermodal
solutions
between
coast and
hinterland
area in Istria
with main
focus on bike
and train




Boosting
intermodal
solutions
through ICT
Web/mobile
application
for the
promotion of
intermodal
passenger
transport

Thank you for your attention!

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