

## WP4 - Testing enhanced crossborder maritime and multimodal freight transport

Deliverable no. D.4.1.1 – Joint methodology for the implementation of the WP



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#### 1. PURPOSE OF THIS DOCUMENT

Purpose of this work package is to streamline freight traffic flows between PPs at cross-border level by implementing ICT pilot actions in all ports generating intermodal and multimodal freight transport (Trieste, Venice, Ravenna, Ancona, Bari, Rijeka and Ploče) and the intermodal logistic node of Trieste, improving their role as gateways and corridor roots for the transport of goods, enhancing coordination between terminal operators, logistics operators, freight forwarders companies and public institutions (e.g. port authorities, customs agencies, public administrations)

Purpose of this document is to define methodology that will lead to implementation and evaluation of pilot actions.

#### 2. DELIVERABLES

At the end of WP4 results will be eight pilot actions of ICT tools on the cross-border transport network (O.4.1), testing the cross-border action plan (D.3.3.3) in order to streamline transport flows in the Programme Area and support the role of ports and inland terminals as gateways, at the same time enhancing their competitiveness and productivity for supporting sustainable freight transport and modal shift of transported goods from road to rail.

Ports (LP, PP1, PP5, PP6, PP7, PP9, PP10) focus on the upgrade of their own Port Community Systems (PCSs), as they are a neutral and open electronic platform enabling intelligent and secure exchange of information between public and private stakeholders, optimising, managing and automating port and logistics processes through a single submission of data and connecting transport and logistics chains.

The intermodal logistics node of Trieste (PP3) improves multimodal operations through digital data exchange and the deployment of a new gate for inbound/outbound trains.

The results of the pilot actions will be compared during PSCs for mutual learning and further future development at cross-border level.



#### 3. PARTNERS

#### Partners participating in WP4 are:

- LP Port Network Authority of Eastern Adriatic Sea
- PP1 North Adriatic Sea Port Authority Ports of Venice and Chioggia,
- PP2 Venice International University,
- PP3 Interporto Trieste-Fernetti,
- PP4 ITL
- PP5 Port of Ravenna Authority,
- PP6 Central Adriatic Ports Authority,
- PP7 Southern Adriatic Sea Port Authority (Ports of Bari, Brindisi, Manfredonia, Barletta and Monopoli)
- PP8 RAM
- PP9 Port Authority of Rijeka, and
- PP10 Port Authority of Ploče (WP Leader)
- PP11 Faculty of Maritime Studies Rijeka as lead partner for WP3



## 4. GANTT

			PROMARES - ACTIVITY ACTION			L					2019							1		2020			_				2021	I 7	$\Box$
	wo	4 - Testing enhanced mar				H	Jan Fe M1 M	b Mar 2 M3	Apr M4	May Jur MS M	e Ju	ry Aug 7 M8	Sep M9	M10 M	Dec 11 M12	Jan M13	reb Ma M14 M1	r Apr 5 M16	May June M17 M11	B M19	Aug M20	Sep Oc M21 M2	1 Nov 2 M23	Dec M24	Jan M25	Feb M M26 M	r Apr 7 M28	May 1 M29	M30
D.4.1.1	Idention  Joint methodology for the implementation of the WP	PP10 - LUP PP11 - LUP	Rime and multimodal freight transpo- provision of a methodology and the implementation of the WP4 activities. Index and preparation of templates to describe the evalue condition, intermediate report and the export evaluations regarding ICT tools for improving multimo multimodal transport	1	09/2019																								=
D.4.1.2	Technical coordination meetings	PP11 - LUP	Technical Committees to coordinate of the WP activities, monitor the activities development, compare and exchange results. TCs will take place during the STC meetings or as needed, conference calls and physical/virtual bilateral meetings.	,	01/2020 07/2020																								
D.4.1.3	Stakeholder meetings	PP11-LUP	PPs implementing pilot actions will hold technical meetings with their respective stakeholders and end- users to imobe the local transport community and gather their feedback (at least one meeting for each pilot action)	8	07/2020																								
A.4.2 - ICT pil border marit transport	ot actions for enhancing cross- ime and multimodal freight	PP11 - LUP																										ı	
D.4.2.1	Pilot action assessment methodology	PP4 - ITL	PP4 sets up an evaluation methodology for assessing pilo actions. Based on individual reports from each pilot action, PP4 will elaborate intermediate and final evaluation reports.		09/2019																								
D.4.2.2	Pilot action no.1 - Port of Trieste	LP - TPA	implementation of a pilot action in the port of Trieste on ICT tools for improving maritime and multimodal transport interim and final implementation reports.	1	03/2020 08/2020																								
D.4.2.3	Pilot action no. 2 - Port of Venice	PP1 - VPA	Implementation of a pilot action in the port of Venice on ICT tools for improving maritime and multimodal transport - interim and final implementation reports. PP2 supports.	1	03/2020 08/2020																								
D.4.2.4	Pilot action no. 2 - Trieste inland terminal	PP3 - RRT_TS	Implementation of a pilot action in the Trieste inland terminal on KT tools for improving maritime an multimodal transport - interim and final implementation reports. PP2 supports.	1	03/2020 08/2020																								
D.4.2.5	Pilot action no. 3 - Port of Ravenna	PPS - RPA	Implementation of a pilot action in the port of Ravenna on ICT tools for improving maritime and multimodal transport - interim and final implementation reports. P94 supports.	1	03/2020 08/2020																								
D.4.2.6	Pilot action no.5 - Port of Ancona	PPG - APA	Implementation of a pilot action in the port of Ancona on ICT tools for improving maritime and multimodal transport interim and final implementation reports.	1	03/2020 08/2020																								
D.4.2.7	Pilot action no.6 - Port of Bari	PP7 - LPA	implementation of a pilot action in the port of Bari on ICT tools for improving maritime and multimodal transport interim and final implementation reports.	1	03/2020 08/2020																								
D.4.2.8	Pilot action no.7 - Port of Rijeka	PP10 - LUR	implementation of a pilot action in the port of Rijeka on ICT tools for improving maritime and multimodal transport interim and final implementation reports.	1	03/2020 08/2020																								
D.4.2.9	Pilot action no.8 - Port of Ploče	PP11 - LUP	Implementation of a pilot action in the port of Ploče on ICT tools for improving maritime and multimodal transport interim and final implementation reports.	1	03/2020 08/2020																								
D.4.2.10	Pilot action intermediate assessment	PP4 - ITL	One intermediate report is slaborated for each pilot action (8 reports) and PP4 consolidates them in one intermediate report (1 report assessing the status of the pilot actions, individual and final reports are shared among PP5 for peer seview and feed the elaboration of the cross-border strategy (WP5)	1	04/2020																								
D.4.2.11	Final report on the implementation of the pilot actions	P94 - ITL	One final report is elaborated for such pilot action (8 reports) and the PP4 consolidates them in one final report (1 report), with recommendations for their transferability, individual and reports are shared among PP5 for power review and feed the elaboration of the cross-border strategy (WP5)	1	09/2020																								



### 4. ACTIVITIES

## 4.1. WP Coordination

Activity	4.1
Title	WP Coordination
Start Date	01.09.2019
End Date	31.10.2020
Coordinator	PP10 – Ploče Port Authority
	LP - Port Network Authority of Eastern Adriatic Sea,
	PP1 - North Adriatic Sea Port Authority – Ports of Venice and Chioggia
	PP2 - Venice International University
	PP3 - Interporto Trieste – Fernetti
	PP4 – ITL
Involved	PP5 - Port of Ravenna Authority,
Project Partners	PP6 - Central Adriatic Ports Authority,
Tartifers	PP7 - Southern Adriatic Sea Port Authority (Ports of Bari, Brindisi, Manfredonia, Barletta
	and Monopoli),
	PP9 - Port Authority of Rijeka and
	PP10 - Ploče Port Authority
	PP11 - PFRI
	Ploče Port Authority will prepare methodology containing:
	- deadlines,
	- PP's responsibilities, and
	- report templates for each partner to use.
Description	PP10 will remain in contact with each project partner via phone, e-mail and/or Skype and contact each project partner at least once a month to liaise on project progress to oversee
Description.	WP4 activities and promptly act in case of delays of any kind of issues that might arise.
	PP10 will organize Technical Committee back to back with Project Steering Committee or
	as needed both bilaterally and multilaterally.
	Also, PPs implementing pilot actions involve local stakeholders in ad-hoc stakeholder
	meetings
	D.4.1.1 – Joint Methodology for the implementation of the WP
Deliverables	D.4.1.2 – Technical coordination meetings
	D.4.1.3 – Stakeholder meetings



# 4.2. ICT pilot actions for enhancing cross-border maritime and multimodal freight transport

Activity	4.2
Title	ICT pilot actions for enhancing cross-border maritime and multimodal freight transport
Start Date	01.09.2019
End Date	31.10.2020
Coordinator	PP4 - ITL
	LP - Port Network Authority of Eastern Adriatic Sea,
	PP1 - North Adriatic Sea Port Authority – Ports of Venice and Chioggia
	PP2 - Venice International University
	PP3 - Interporto Trieste – Fernetti
	PP4 – ITL
Involved	PP5 - Port of Ravenna Authority,
Project	PP6 - Central Adriatic Ports Authority
Partners	PP7 - Southern Adriatic Sea Port Authority (Ports of Bari, Brindisi, Manfredonia, Barletta and
	Monopoli)
	PP8 – RAM
	PP9 - Port Authority of Rijeka and
	PP10 - Ploče Port Authority
	PP11 - PFRI
	Activity 4.2 foresees the implementation of pilot actions with ICT tools to enhance maritime
	and multimodal freight transport in the Programme Area.
	Based on the results of the cross-border action plan (D.3.3.3) and the best practice analysis
	on ICT tools and policies (D.3.3.1), participating logistic nodes implement concrete pilot actions on their PCSs and ICT systems to streamline freight traffic flows between the ports
Description	and the hinterland, by improving communication and coordination with private companies
2 000pu.	(e.g. terminal/logistic operators, freight forwarders) and public institutions (e.g. customs
	agencies). The WPL, with the support of the LP, oversees the correct implementation of the
	pilot actions in each concerned node, providing guidance and assistance. A final report
	detailing the implemented pilot actions will also be produced and all pilot actions will be
	assessed based on a common evaluation methodology.
	1. D.4.2.1, Pilot action assessment methodology (M9), set by PP4;
Dolivorables	2. D.4.2.2, Pilot action in Trieste (M15 draft, M20 final): ICT pilot action upgrading the PCS as
Deliverables	to optimise the railway transport; 3. D.4.2.3, Pilot action in Venice (M15 draft, M20 final): ICT pilot action upgrading the
	existing ICT system to optimise the port railway capacity
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- 4. D.4.2.4, Pilot action in the RRT of Trieste (M15 draft, M20 final): ICT pilot action deploying a new gate for inbound/outbound trains;
- 5. D.4.2.5, Pilot action in Ravenna (M15 draft, M20 final): ICT pilot action upgrading the PCS to improve rail and multimodal operations through digital data exchange with terminal and logistic operators;
- 6. D.4.2.6, Pilot action in Ancona (M15 draft, M20 final): ICT pilot action upgrading the PCS to optimise multimodal operations;
- 7. D.4.2.7, Pilot action in Bari (M15 draft, M20 final): ICT pilot action upgrading the PCS to optimise multimodal operations;
- 8. D.4.2.8, Pilot action in Rijeka (M15 draft, M20 final): ICT pilot action upgrading the PCS to exchange digital data with railway and multimodal operators;
- 9. D.4.2.9, Pilot action in Ploče (M15 draft, M20 final): implementation of an ICT pilot action upgrading the PCS as to optimise multimodal operations;
- 10. D.4.2.10, D.4.2.11, pilot action intermediate (M16) and final (M21) assessments, elaborated by PP4, shared among PPs for peer review and feeding the cross-border strategy