

Pilot action final report Port of Trieste D.4.2.2

12/2020



www.italy-croatia.eu/promares



DISCLAIMER

This document reflects the author's views; the Programme authorities are not liable for any use that may be made of the information contained therein.



1 Table of Contents

1.	Ex-ante situation – Background of the pilot action	3
	Pilot action description	
3	Stakeholders	. 12
4	Impacts and replicability	.12



1. Ex-ante situation – Background of the pilot action

As underlined in the TNA, the main feature of the Port of Trieste is represented by its legal status of Free Port, in application of the rules of the Paris Peace Treaty (Annex VIII). According to it, the Free Zones of the Port of Trieste enjoy the legal status of customs clearance exception and do not belong to the customs territory of the European Union.

In the design of the Port Community System PCS, called "Sinfomar", it was necessary to consider the special legislative situation due to its status as a Free Port. The Free Port of Trieste currently includes five distinct Free Zones, three of which reserved for commercial activities (Old Free Zone, New Free Zone, Timber Terminal) and two used for industrial activities (Mineral Oils Free Zone, Zaule Channel Free Zone). As regards the customs regime, the Free Zones of the Port of Trieste enjoy the legal status of customs clearance exemption, which involves a whole series of beneficial operating conditions for the Free Port of Trieste. This is undoubtedly the biggest area of difference between the regulations of the Free Port of Trieste and national and EU ones.

Against this background, it is necessary to allow the free flow of goods between Free Zone areas also outside the Port areas and, at the same time, reduce the road congestion due to the increasing traffic flows, thus optimising the use of the existing infrastructures.

2 Pilot action description

The aim of the pilot action consists in creating a new module of the Sinfomar PCS, dedicated to the management of the movement of goods between external Free Zone areas outside the Port of Trieste, using data from existing cameras, both for rail and road transportation to ensure the traceability of goods.

The new module of the Sinfomar PCS would manage the goods arrived in a Free Zone area to be transferred to another Free Zone area using road or rail transportation in a controlled way, without implementing traditional customs operations, but using ICT procedures and tools (such as cameras or virtual gates).

This module would manage at the same time logistical data (e.g., plate of the trailer and semitrailer, type of vehicle, container number, train tracks,...), data to identify the subject responsible of goods (e.g., personal identification data of the driver and of the freight forwarder) and customs data (e.g., type of goods using HS (Harmonized SysteM) standard, initial and foreseen final date of transport, weight, type of customs document, MRN (Movement Reference Number), ...).

Also, a complementary activity focuses on the extension of the PCS Sinfomar to manage the external buffer areas belonging to the zone under the control of the Port Network Authority of the Eastern Adriatic Sea. These areas are authorised spaces where vehicles directed to the Port of



Trieste can stop with the aim of a better and integrated management of the traffic flows to the Port of Trieste and to track in advance the vehicles (through the utilisation of the pre-arrival notification). The buffer areas are of different types: public (such as the Interporto di Trieste – Fernetti), Free Zone areas (such as the Industrial Free Zone called FREEeste) and private ones. In accordance to the activity already foreseen, this extension of the PCS would allow the management of such external areas and the movement of goods between them and the Port of Trieste.

The activities related to the first pilot action started in December 2019 and finished in July 2020, while the activities related to the second pilot action closed in October 2020.

Since January 2020 internal meetings have been organised to analyse the details of the current scenario and to define the specifications of the new module to be created in Sinfomar. As highlighted in Section 1 of the current document, the peculiarity of the Port of Trieste, as an International Free Zone Area, has to be carefully taken into account in the implementation of the activities. The Port Network Authority is the body entrusted with the management and control of all Free Zone areas in the territory of the province of Trieste and the activities carried out in PROMARES project exploit the outputs achieved in another project, named "ISTEN – Integrated and Sustainable Transport in Efficient Network", co-financed by the Adrion Programme. Thanks to the synergy between the two projects, some functionalities to manage Free Zone areas through the Sinfomar PCS are already under definition and development. More specifically, additional functionalities are established in Sinfomar concerning the management of pre-arrival notifications in the Free Zone areas, management of vehicles in the Free Zone areas and management of vehicles directed to the port of Trieste using and without using a customs corridor.

At the beginning of March 2020, a first meeting with an external stakeholder was held to agree on the organisation of deployment activities and next test phases. The selected stakeholder is a terminal operator, specialised in the movements of metal products, that has an internal department dedicated to customs operations and it is based in the Old Free Zone area.

Due to the lockdown period caused by Covid-19, the activities with this stakeholder were slightly delayed, therefore other external free zone areas have been taken into consideration in the pilot action: the inland terminal "Interporto di Trieste – Fernetti" and the FreeESTE areas.

Hereafter, some screenshots taken from the PCS Sinfomar are presented to explain the reached results.

At operative level, to properly utilise the functionalities enabled in the module "External Free Zone Areas" (literally "Punti Franchi Esterni") in the PCS Sinfomar, it is necessary to update the registry of the warehouses in Sinfomar, by registering in the PCS the data concerning the free zone area/s.



Sinfomar									Configuration of States of	the definition of the second sec
L 🖾 🌣 🕞	Accesso porto	al	Varco 1	Varco 4	Fernet	tti N	votizie e avvisi	Nessun avviso rilevat	10.	
SEZIONI +	Gestione Preavvis Ferrovia	ne si	Gestione Merci Pericolose	Pendenze Tasse SB/IMB	E d'anco	ssa	Gestione PF Fernetti	Gestione Check-in Turchia	Gestione Preavvisi	Punti Franchi Esterni
Soggetti	4									
Soggetti Dogana								S	Sezione Viaggi	Sezione Amministrazio
Aliquote	Navi ii	n Port	10							Accessi
		ATA	Da	Nave	Tipo nave	Dichiarante	Terminal	ETS ATS		ultimi 30 giorni
Navi		Terminal						Dichiarante Terminal	Per	1,500
Magazzini	Dichiarante 16/10/20		Las Palmas de Gran	ANNA	-	MARTINOLI	CANALE NAVIGABILE	Dichiarante Terminal 17/10/20 22:00	Monfaicone	1.000 1. A Da m
	Dichiarante 16/10/20	Terminal 16/10/20	Las Palmas de Gran	ANNA BAREILLY	-		CANALE NAVIGABILE	17/10/20		1.000 500 MMM
Magazzini Rotabili Transcodifiche Analisi	Dichiarante 16/10/20 08:30 16/10/20 03:00 15/10/20	Terminal 16/10/20	Las Palmas de Gran Canaria					17/10/20 22:00 18/10/20	Monfalcone	500 500 0
Magazzini Rotabili Transcodifiche	Dichlarante 16/10/20 08:30 16/10/20 03:00 15/10/20 20:00 12/10/20	Terminal 16/10/20 07:24 15/10/20 21:16 15/10/20	Las Palmas de Gran Canaria Corpus Christi Pendik Arzew	BAREILLY ARTEMIS SEAWAYS NAVIG8 PRESTIGE		ISS TOSITTI SAMER	SIOT orm: SIOT RIVA TRAJANA orm: 31	17/10/20 22:00 18/10/20 16:08 16/10/20 20:00 17/10/20	Monfaicone Tuzla Pendik Matta	1.000 500 5
Magazzini Rotabili Transcodifiche Analisi	Dichiarante 16/10/20 08:30 16/10/20 03:00 15/10/20 20:00 12/10/20 06:00	Terminal 16/10/20 07:24 15/10/20 21:16	Las Palmas de Gran Canaria Corpus Christi Pendik Arzew	BAREILLY ARTEMIS SEAWAYS		ISS TOSITTI SAMER	SIOT orm: SIOT	17/10/20 22:00 18/10/20 16:08 16/10/20 20:00	Monfaicone Tuzia Pendik	1.00 50 2 Sezione Statisti

Figure 1: PCS Sinfomar homepage

NA APT VICE A DESCENT SECON + Rice Rice Ref getti getti getti Context Conte	sso al porto alve Chuso X Elmin rca Magpf aumagazino rcorenacoj x Resea	٩	Persest Notizie e avvit	Genti usani, vizi chediano gentin	n program, nel el locarizzaten verte a d'armenia e una el de ante a d'Altan el la come avvinente verte de la comunitación e veza la Com	eu grann grinngeng y pa pendin i a met enving e no gene Gaten Gaten Gaten a
SECON - Ricer rd Cere get Cere get Cere	rca Magof a un magazzino NID FRANCO	٩				
Ricer re: Caro grei Dut grei Dogana Com	a un magazzino NTO PRANCO					
nd Cero geti geti Dopna Dop	a un magazzino NTO PRANCO					
geti Dogana Code	NTO FRANCO					
geti Dogana Codo						
	w Danama					
		Sezione	Col	leg. Cod. 88	Descrizione	cin
12000 12000			0		AUTOPORTO DI FERNETTI SUPERSTRADA	0
4 12000					IMBARCATO SU NAVE	0
gazzini 12900			0		INDETERMINATO	0
12910	0 TRIESTE	SOT PUNTO FRANCO NUOVO	1	PF4	PUNTO FRANCO FERNETTI	FO
nacodifiche						
a.						
ologo						
i Telecamera						

Figure 2: Research of a warehouse in a free zone area

Then, the processes are based on the concept of "pre-arrival" that is a declaration made by the local representative of the carrier or by the carrier itself. The pre-arrival collects data of three different types: (i) logistical; (ii) customs related; (iii) about the driver. The customs data concern details relevant from the customs point of view in relation to the goods to be loaded or unloaded from a warehouse in a free zone area.



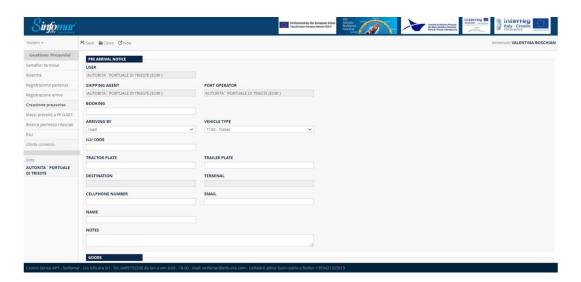


Figure 3: Pre-arrival notification module in Sinfomar

Sinformar	Educative to Fourier to The Section Control of Control
Sezioni •	Amminus LOBINZO CERM
Gestione Preavvisi	
Semafori terminal	Elence registrationi arrive Dence registrationi partenza Elence presvisi
Ricerche	Importa file excel
Registrazione partenza	FAE:
Registrazione arrivo	Stopa
Creazione preavviso	IMPORTA
Manutenzione ETA - Situazione	forea.
Manutenzione ETA -	DA DATA: A DATA:
Elenco	■ 6/19/2020
Esci	BOOKING: CODICE ILU
Utente connesso	
Ditto	TARGA MOTRICE TARGA RIMORCHIO
Local Control of Contr	CONTAINER MARCA
	TRANSITARIO SPECICIONIERE
	x x
	AGINTE
	*
	CERCA
	Totale record: 0
	Nr. preavviso Data Booking ILU/targhe Container/marca MBN Kgm Colli Merce Stato AV AC Transitario Agente Spedizioniere Terminal SM
	AV = AVYSTATO, AC = ACCETTATO, SM = SEMAFORO
Centro Servizi APT - Sinformar	c/b info era 5/1 - Tel. 0409752208 da kun a ven 8.00 - 18.00 - mail: sinformar@info era.com - Cellulare attoso fuori orano e festue: x393421325619

Figure 4: Research function for pre-arrival notifications



As shown in Figure 5 below, it is possible to use a research function to find out all the data declared in a pre-arrival notification for a specific truck as well as to visualise the authorisation to be transferred to a different logistical area (virtual traffic light green or red) and also to monitor the accesses in a specific free zone area.

50	<u>fomar</u>								Transformers 1	ty the Googenet Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar So		1		in hay	-Croatia
teril office	25	-													Stamp
arrent node		Mezzi prese	nti in G	.M.T.											
uss.rodz.name	master server three	Nr. Sinformer			Targhe mezi	•	Data arrive	Deta permeson	Tipe	Note (Ditta)	Telefona	Nettica	Seeta Aut.	ADR	Terminal di destinazione
10.0	and/4	2764125	9		2040/216	/[20ABCS22	16/10/2020 1111		8	SWT					ORM: 47 - Casarner
Jully	Lines	2764119	3	-	34(1548)	[34AH4059]	16/10/2020 11:04		8	GOKBORA					RIVA TRALANA - Pendik
sergilet.	320440364	2764114	3		34862934	34063407	16/10/2022 11:01		8	BARSAN					DRM: 47 - Cesme
et dir -	/boss-ex-7.2.0.Fm#	2763992		-	PAS617KM	27440691	16/10/2028 10:50	16/10/2020 10:50	2	EADD					MOLO SESTO - Mergin
as home	/pres	2763989	9	-	341,56944	34206174	16/10/2020 10:47		2	DOL.					IRVA TILALAMA - Pendik
		2763968			35444444	STAACON	16/10/2020 10:45	16/10/2020 11:14	2	PAP TRANE					ORM: 47 - Casima
		2763949	9		34872554	HIPATIT	16/10/2020 10:43		2	ENDO					RIVA TRAGANA - Perusia
		2763938	9		27/1200	27TM792	16/10/2020 10:31		2	LANIN					MOLO SESTO - Mersin
		2763935	2		81348CP	[B4CV6742]	16/10/2020 10:33		2	EYUP LOGISTIK					MOLO SESTO - Ambarit
		2763862			34672181	34401482	16/10/2020 10:25		2	GOKBORA					BIVA TRAUNA - Pendik
		2763852	2		54018389	3401408	16/10/2020 10:19		2	EKOL.					RIVA TRAJANA - Pendik
		2763850			348M0672	(34JC8380	16/10/2020 10:09		9	EXOL.					BIVA TBALANA - Pendik
		2763646			LJOTABV	34802254	16/10/2020 09:55		2	ALISAN					10VA TRAJANA - Peridik
		2763844	2		25N7066	35AKTS1	16/10/2020 09:49		9	METIN ANOLIKAN					DRM: 47 - Cesime
		2763843	2		06FV2268	04862212	16/10/2020 09:47		2	BELAMOGLU					10VA TRAIANA - Peridik
		2763842			34865313	JACGR148	16/10/2020 09:48		9	MARS					RIVA TRAVANA - Peridik
		2753840	. 9		35KD5155	/ 35AE7928	16/10/2020 09:44		9	KADIR DEMR					DRM 47 - Cesme
		2763824	. 10		35HC8150	35189/23	16/10/2020 09:31		2	PROFIL BORD					ORM 47 - Cesime
		2763817			RINGRE	34(\$841	16/10/2020 09:28		2	DIOL.					RIVA TRAGANA - Pendik
		2763810	2		84428316	3409968	16/10/2020 09:25		2	D03.					RVA TRAJANA - Perella
		2763815			348M2999	/ 34VD4139	16/10/2020 09:24		2	RUMAS					RVA TRAIANA - Pendia
		2763812			69HN723	348CE722	16/10/2020 09:19		2	AUSAN				~	RVA TRAJANA - Pendik
		2763806	5		20ACT155	25481.98%	16/10/2020 09.12		9	DENCKS					DIM, 47 - Cesme
		2763801			AP104017	MCP2104	16/10/2020 08:59		0	MARE					BVA TRAJANA - Pendik

Figure 5: Trucks in a specific free zone area ("GMT - Old Free Zone area")

By opening the link associated to the Sinfomar number of a selected truck it is possible, for the terminal, to confirm the arrival (also by using data detected by devices such as OCR cameras, documents and passports readers, at gates).



Targa anteriore ri	H619MH32	1 and and	Targa posterior		H134632	
TARGA EFFETTIVA H619M	H32	TARGA EFF	ETTIVA AH1	34632	gau2	
Transito tra Punti Franchi: 27/06/20	20 17:43					
Transitario: Resp. Trasporto Sec.: Info Mitterio Sec.: Ricevente Sec.: Terminal di destinazione:	era 5/1					
Merci 5.5int Nr. Documento	Rif. documente	Merce	Peso lordo	0.14	Enerie	
1378		Macchinari	543.0		NE	
Persone						
# Nome		Num.tel,				
	-	# ANNUALA				
	V CONSTR	ANNELLA				

Figure 6: Detection of data at gates

In addition, it is possible to visualise the details of the goods transported by a specific truck, as show in Figure 7 below.



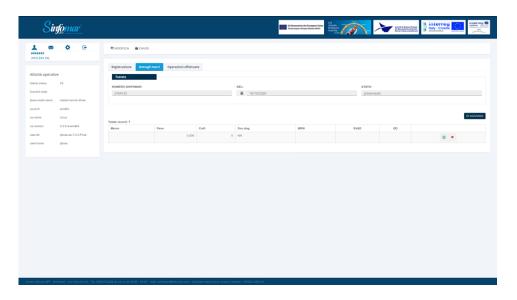


Figure 7: Details on transported goods

During the development of the pilot activities, drawbacks or particular problems have not been recognised. On the contrary, the deep analysis of the activities to be carried out let the identification of the second pilot action that is strictly related to the overall goals of the pilot.

This second pilot, as anticipated, focuses on the extension of the PCS Sinfomar to manage the external buffer areas belonging to the zone under the control of the Port Network Authority of the Eastern Adriatic Sea. In particular, the pilot action focuses on the private external buffer areas that are named as "Authorized Buffer Area – A.B.A.". Hereafter, the main activities carried out are listed:

- <u>Definition of the official regulations and guidelines</u>: the General Secretary of the Port Network Authority of the Eastern Adriatic Sea approved the guidelines that have been sent to all the operators that stated their interest to be authorized to operate as "A.B.A". These guidelines indicate the rules to be applied and the processes to be followed to obtain the authorization;
- For the time being, <u>the Port Network Authority of the Eastern Adriatic Sea officially</u> <u>received five complete requests</u>. All of them are positively evaluated and five operators are authorized to be "A.B.A" to manage, accordingly to the guidelines and established rules, the road traffic of Ro-Ro trucks directed to the Port of Trieste;
- In addition to the guidelines, an <u>operative manual</u> (see attachment) has been prepared. It
 has been presented in a dedicated meeting with the operators (on the 30th July 2020) and



distributed to them. Moreover, specific training activities have been performed directly in the offices of the different authorized operators;

• <u>Constant support</u> is offered to the operators in order to use properly the PCS Sinfomar and to align their operations to manage the traffic flows in accordance to the availabilities of the port terminals and the department of the Port Network Authority of the Eastern Adriatic Sea dedicated to the management of the road traffic.

The results gained with this pilot actions have important impact on the Port Community, since this initiative helped to support the management of the traffic in a particular period like the lockdown caused by the Covid-19. Therefore, this action is really appreciated by the operators. Figures below show the screenshots taken directly from the PCS Sinfomar.



Figure 8: Details on the trucks arriving from the different buffer areas



AG/mezzi/riep	inno us	citeliso							.90	s 🛛	4		¥ IN CO CO 9
io) mittel inch	and doing a	onipp									H		2
						Inter	reg 🔿	0	inanced by the European I Gargeen Transport Vetwork 30	n HIS Advistion Multiport	(A)	2	Automa di Basarra Parla
						(a pacada	S AND A ROLE				1.81		
			P							-			
			0			104			29				
			ALL			a Hernotta	Mezzi non ancora	armiati a	(ultime 6 ore)	2		destinati al	
imero to	itale n	nezzi usciti dagli inte	rporti						Situazione	traffico v	arco 4		
etti ai term	inal por	tuall, ultime 6 one)					34			1	SAN VIIU	1	A NUMBER OF
Tot. or	ra —	MOLO SESTO -ORM.	47 — RIVA TRAIAN	iA.					Mappa	Satellit	te		
						22				1			
										-		~	
						20						/	
						MOLO SESTO	Marsin 34						15 XL
						 ORM. 47 	Cearne 22						CHIARBOLA
						RIVA TRAJANA	Pendik 20						
						provenianti da:							1 · · · · · · · · · · · · · · · · · · ·
				A		FERNETTI	62						
					1	INTERLAND	12						SERVOL +
	- 1			N	1	AUTA MAROCCHI							SERVOL -
		A	~~~	JAN -	~							-	E2020 Termini e condizioni d'uso
5/10 04:00	_	15/10 05:40	15/10 07:20	15/10 09	00				particular in the			Dep mappa	E2020 Stermini e condizioni diuso
01.0													
zzi uscit	i per i	I Porto (ultime 6 ore)											
Sinfomar		Targhe mezzo	Data arrivo	Data uscita	Data permesso	Provenienza	Entrata terminal	Tipo	Note (Ditta)	Telefono	Sosta Aut.	ADR	Terminal di destinazione
60533	9	PA4915KM / 27AAU724	14/10/2020 17:32	15/10/2020 09:49	15/10/2020 09:29	AUTOPORTO DI FERNETTI		2	EYUP				MOLO SESTO - Mersin
61332	9	34DGE355 / 348IV450	15/10/2020 08:29	15/10/2020 09:44	15/10/2020 09:20	AUTOPORTO DI FERNETTI		2	HUNER				RIVA TRALANA - Pendik
	3	01AEL362 / 01AEH858	15/10/2020 08:21	15/10/2020 09:35	15/10/2020 09:28	AUTOPORTO DI FERNETTI		8	BORA.				RIVA TRAIANA - Pendik
61327													

Figure 9: Summary of the trucks arriving in the port terminals from the external buffer areas



				, mezzi in arrivo	mean present of	l'interno del Terminal		Mezzi non ancora		time 6 ore)			ati al porto in corridoio doga
SEZIONI +	Marri pros	onti all	Unterr	no del Terminal									Sta
	Nr. Sinfomar	enu an	interi	Targhe mezzo	Data arrivo	Data permesso	Тіро	Note (Ditta)	Telefono	Notifica	Sosta Aut.	ADR	Terminal di destinazione
Situazione mezzi	1657674	5		348AV019 / 348KC625	06/03/2019 09:35		0						RIVA TRAIANA - Pendik
Mezzi presenti al terminal Ricerca preavvisi	1657673	5		B384ERK / 34ED1142	06/03/2019 09:32		0						RIVA TRAIANA - Yalova
Ricerca uscite per terminal di	1657644	5		33DAY68 / 33EEY96	06/03/2019 09:22		0						ORM. 47 - Cesme
destinazione	1657643	5		34N56682 / 34ZN4933	06/03/2019 09:20	06/03/2019 09:20	9						RIVA TRAIANA - Pendik
Ricerca permessi rilasciati	1657613	3		348JZ821 / 34ZU1605	06/03/2019 09:04	06/03/2019 09:04	9						RIVA TRAIANA - Pendik
Elenco mezzi in attesa di permesso	1657605	3		01CZH61 / 01CZH62	06/03/2019 08:32		0						RIVA TRAIANA - Pendik
Rilascio permesso accesso	1657564	3		31RG759 / 31RU721	06/03/2019 07:31		9				~		RIVA TRAIANA - Mersin
manuale	1657561	3		348MD809 / 34EH0039	06/03/2019 07:26		9						RIVA TRAIANA - Pendik
	1657550	3		14AP540 / 14AP450	06/03/2019 07:05		9						RIVA TRAIANA - Pendik
Semaforo terminal	1657548	9		35FR463 / 35UR723	06/03/2019 07:02		8						ORM. 47 - Cesme
GENERALE SUPERSTRADA	1657533	3		34DL4952 / 34DL0364	06/03/2019 06:18		9	EKOL					RIVA TRAJANA - Yalova
	1657530	3		35PPT58 / 35PPT59	06/03/2019 04:51		9						ORM. 47 - Cesme
	1657529	3		35P0A41 / 35PFC44	06/03/2019 04:49		9	ERHANLAR					ORM. 47 - Cesme
Attività operative	1656614	3	-	0950255 / 0959780	06/03/2019 02:28		0						ORM. 47 - Cesme

Figure 10: Extract from the operative manual for the "A.B.A."

3 Stakeholders

Stakeholders – e.g. freight forwarders, terminal operators, Customs Agency, Financial Police – have been kept constantly updated about the implementation of the activities through informal ad-hoc communication actions.

4 Impacts and replicability

The impacts are:

- 1) the increase of data accuracy and the certification that goods moving between Free Zone areas do not change path;
- 2) reduction of road congestion due to the increase in traffic flows and optimisation of the use of the current port infrastructures.

The pilot action is fully replicable in other contexts, even beyond the Programme Area.