

MEDNET RESULTS OVERVIEW



TOWARDS SEAMLESS LOGISTICS
IN THE MEDITERRANEAN



MEDNET

SEAMLESS LOGISTICS



P R O J E C T



Projet cofinancé par le Fonds Européen
de Développement Régional (FEDER)
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Development Fund (ERDF)



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THE SCOPE OF THE PROJECT

MEDNET is a European project, co-financed by the MED Programme, aimed at simplifying and harmonizing maritime and port procedures within the Mediterranean region.

The project primarily recommends actions and measures for facilitating maritime freight exchange, speeding up logistic procedures, and reducing logistics costs. Moreover, more efficient operating maritime routes will contribute to increasing modal shift from the currently congested European road network while reducing at the same time adverse environmental impacts and enhancing social and economic cohesion of the European and Mediterranean populations.

The project has developed 19 pilot actions, tested in partner ports and at administrative or customs institutions in participating partner countries, which will enable the identification of opportunities for simplifying and harmonizing procedures. In parallel, monitoring and data collection studies feeds information into the database "Observatory of Port Operations in the Mediterranean", available to partners and all maritime sector stakeholders.

MEDNET, therefore, acts as an information and best practice-sharing platform. As the project progresses, it puts forward an "ideal virtual port" that all players of the sector are encouraged to draw best practices from.

A EURO-MEDITERRANEAN PARTNERSHIP



THE ACHIEVEMENTS OF THE PROJECT

ANALYZING, UNDERSTANDING

45 ports in the Mediterranean Basin were studied as part of the MEDNET project because, as we all know, the more harmonization of procedures there is, the greater the impact on competitiveness in Mediterranean ports. But the strategic dimension of the project does not solely derive from the extent of its geographical cover; it is also linked to the diversity of the fields studied.

In order to identify which good practices to establish, project partners - mainly universities and port authorities - have drawn up an exhaustive inventory of port procedures and customs practices active to date.

This survey, which is the nodal point of the MEDNET project, feeds the Port Operations Observatory in the Mediterranean and the pilot actions provided by the project.

During the project lifetime incredibly detailed questionnaires were devised by the partnership and completed by port Authorities on various themes. The completion of such Questionnaires made it possible to create an extremely detailed database of information on various fields:

Right after all this information has been collected, the identification and formulation of key performance indicators (KPI) and their method of measurement assesses the performance for each factor of the port and enables the identification of major differences amongst the operation procedures and custom system of each selected port. These, based on UNCTAD recommendations, include two categories: financial indicators and operational indicators. The indicators are compared to pre-set expectations defined by the ports themselves. Specific rates are assigned to each KPI, which are then presented in a matrix allowing the comparison of the port systems.

EU/NATIONAL/REGIONAL PROJECTS AND STUDIES

A structured inventory of EU, national or regional projects, studies and other initiatives in the Mediterranean region with relation to port operations, in particular to custom clearance and procedures, clearance of vessels and cargo, port information systems, port formalities, including safety and security, as well as hinterland land access and interoperability.

EU, NATIONAL AND INTERNATIONAL LEGISLATIVE FRAMEWORK RELATED TO CUSTOM CLEARANCE PROCEDURES, PORT FORMALITIES AND PORT OPERATIONS

The existing EU, National and International legislative framework and different bi-lateral, multi-lateral and international agreements related to custom clearance procedures, port formalities and port operations in the region. The scope is to create bridges amongst the procedures adopted by each port and country.

CLASSIFICATION CODES OF VESSELS AND GOODS

Port authorities have formulated different classification codes in terms of vessels and goods, in order to identify better the duties and controls that apply. The project made it possible to record and analyze the different classifications set by the port authorities, create a database of the codes applied for each type of vessel and goods and synthesis them into one harmonized framework.

DETAILED ANALYSIS OF CUSTOMS CLEARANCE PROCEDURES, PORT OPERATIONS AND INFORMATION SYSTEMS

A detailed analysis of custom clearance procedures, port operations and information systems implemented at EU and non-EU Mediterranean ports. This analysis will identify the characteristics constituting the custom procedure in each port for import and export clearance and vessel control, such as information systems, pre-arrival processing, risk assessment, fraud control, evasion control, tax and duty collection, procedures for inward processing and the use of free zones.

SURVEYING AND MONITORING

THE PORT OPERATIONS OBSERVATORY IN THE MEDITERRANEAN

The Observatory of Port Operations in the Mediterranean Sea is an all-inclusive information centre and knowledge base on port administrative requirements, logistics procedures, port operations and customs formalities.

It allows for recording and disseminating best practices, as well as for understanding the technical parameters related to port operations' performance, through the use of a specialized database, while highlighting at the same time strengths and weaknesses of port operations. Moreover, it provides a communication platform at European, national and regional levels, relying on an open discussion group. It also allows Port Authorities representatives from the MED region to assess their own port on line.

A SET OF KEY SERVICES FOR PORT ACTORS

Port Authority <ul style="list-style-type: none">› Assess my port operations› Learn European best practices› Exchange knowledge & opinions› Discover hinterland / intermodal areas	Customs Authority <ul style="list-style-type: none">› Assess my customs procedures› Get to know my port community› Exchange knowledge & opinions	Shipping Company <ul style="list-style-type: none">› Learn European best practices› Get to know my port community› Exchange knowledge & opinions
Freight Forwarder <ul style="list-style-type: none">› Learn European best practices› Get to know my port community› Exchange knowledge & opinions	Public Organisation <ul style="list-style-type: none">› Learn European best practices› Utilise database› Exchange knowledge & opinions	Research / Academia <ul style="list-style-type: none">› Learn European best practices› Utilise database› Exchange knowledge & opinions

Moreover, The Port Operations Observatory has achieved the following:

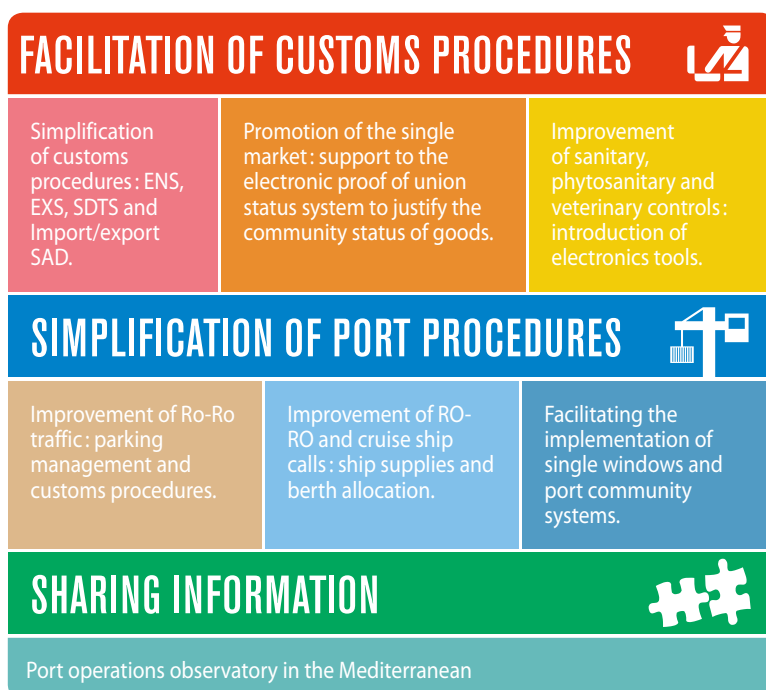
- › A Reporting and Monitoring based on the Performance Indicators for each port, updated through the development of an Internet agent (software carrying out information filtering and information retrieval from Internet sources);
- › A Database associated to port operations, cargo flows, shipping lines, qualification, status of expansion plans, hinterland network structure and flows etc. for all participating ports;
- › A Communication platform creating new interactions and cooperation between port authorities and stakeholders at regional, national and European level;
- › The Reference Library containing (a) legislation, guidelines, projects/studies related to port operations, custom procedures, port formalities, safety/security issues etc., (b) recommendations and best practices, (c) trade and transport statistics, through links (like world port source, world port index etc.) and data providers (e.g. Eurostat for freight and transport mode).
- › In accordance with the results obtained from the application of the statistical modeling analysis, the magnitude of the required improvements for a specific port to reach the status of best practice will be defined. Consideration will also be given to their impacts. The port that encompasses the best practices for each of the items considered will constitute the "ideal port", which is a virtual port.

www.med-observatory.ntua.gr

DRAWING INSPIRATION, TESTING OUT, TAKING ACTION

19 PILOT ACTIONS TESTED AND MADE OPERATIONAL IN MEDITERRANEAN PORTS

The MEDNET partners have identified the following initiatives:



These initiatives, identified by the MEDNET partners, have been prototyped by process re-engineering, simulation, information systems and technologies. Each participating partner introduced such systems with a clear view to improve maritime accessibility and transit capacities through intermodality:

- › Definition of specifications of the interfaces between different stakeholders' systems and/or of the simulators.
- › Prototype development: High-level technical specifications have been produced for each system to program simulators and develop new prototypes.

For more information please consult the Brochure on the Mednet Pilot Actions downloadable from www.mednetproject.eu

EXAMPLES OF PILOT ACTIONS

SIMPLIFICATION OF THE PROCEDURES ASSOCIATED WITH CUSTOMS: ENS, EXS, SDTS AND IMPORT/EXPORT SAD

- 1.1. Notification to Customs of full container entries and their subsequent departures from Valenciaport
- 1.2. Introduction of a monitoring system of container movements at port of Melilla

PROMOTION OF THE SINGLE MARKET : SUPPORT TO THE ELECTRONIC PROOF OF UNION STATUS SYSTEM TO JUSTIFY THE COMMUNITY STATUS OF GOODS

- 2.1. Introduction of the Spanish electronic T2L for ro-ro traffic at Valencia port

IMPROVEMENT OF SANITARY, PHYTOSANITARY AND VETERINARY CONTROLS: INTRODUCTION OF ELECTRONIC TOOLS

- 3.1. Introduction of electronic monitoring mechanisms for sanitary, phytosanitary and veterinary controls for transhipped containers at Valenciaport

IMPROVEMENT OF RO-RO TRAFFIC: PARKING MANAGEMENT AND CUSTOMS PROCEDURES

- 4.1. Automatic exit of trucks from port areas at port of Koper
- 4.2. Parking management and Customs procedures improvements for ro-ro traffic at port of Patras
- 4.3. Parking management and Customs procedures improvements for ro-ro traffic at port of Vlore
- 4.4. Parking management and Customs procedures improvements for ro-ro traffic at port of Igoumenitsa
- 4.5. Improvement of ro-ro traffic, parking management and Customs procedures at port of Zadar
- 4.6. Improvement of ro-ro traffic, parking management and Customs procedures at port of Rijeka

IMPROVEMENT OF RO-RO AND CRUISE SHIP CALLS: SHIP SUPPLIES AND BERTH ALLOCATION

- 5.1. Simplification and enhancement of procedures related to ship supplies at Valenciaport
- 5.2. Berth allocation system for ro-ro and cruise traffic at port of Patras
- 5.3. Berth allocation system for ro-ro and cruise traffic at port of Igoumenitsa

FACILITATING THE IMPLEMENTATION OF SINGLE WINDOWS AND PORT COMMUNITY SYSTEMS

- 6.1. Electronic procedures related to container consolidated cargoes at Valenciaport
- 6.2. Setting up of an integrated, user-friendly and computerised procedure to improve accessibility at port of Taranto
- 6.3. Introduction of National Customs Single Window at port of Ancona
- 6.4. Analyzing Italian Customs of the Italian Customs systems and adopting of Directive 65/2010
- 6.5. Master Plan of Malta to set up a national maritime Single Window

PORT OPERATIONS OBSERVATORY IN THE MEDITERRANEAN

- 7.1- Port Operations Observatory in the Mediterranean Simplification of the procedures associated with Customs: ENS, EXS, SDTS and Import/Export SAD



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