“The SMART port, a work tool of innovation towards impact reduction”
Medport Forum – Marseilles June 25th 2019
Over 30 years of expertise in CARGO COMMUNITY SYSTEMS

13 LOGISTICS COMMUNITIES CONNECTED TO OUR CCS
with over 2500 users

TOP 10 CUSTOMERS
TRANSPORT & LOGISTICS

R&D PROJECTS
20 YEARS OF INTERNATIONAL EXPERIENCE

AI | C-ITS | Blockchain | RFID
Geofencing | Barcode

3 GENERATIONS OF CCS

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LE FRENCH SMART PORT IN MED

Ci5™ CARGO INTELLIGENT SYSTEM

MGI LAB COLLABORATIVE PROJECTS BASED ON TECHNOLOGY (Blockchain, Big data, …)

PORT SOLUTION DRIVEN BY ARTIFICIAL INTELLIGENCE
Local PORT or CARGO COMMUNITY SYSTEMS can contribute more actively to local SMART PORT initiatives by ANTICIPATED collection of CERTIFIED data.

Better INTEGRATION of Port and Cargo community systems in Mediterranean will support local smart port initiatives with HIGH VALUE services based on bigger VOLUME of data of better QUALITY.

MGI proposes DATAMARENOSTRUM to develop an ORGANISATIONAL and TECHNICAL framework to integrate Mediterranean Port and Cargo community systems to create a SMART PORT ECOSYSTEM.
DATA MARE NOSTRUM - CONCEPT

DATA MATURITY

Future

Past

Decision
Knowledge
Information
Data

Vessel
Consignment
Cargo
Status

SCOPE

Smart port

Classical port
• Ensure global consistency (Common vocabulary)

• Provide data unicity (Trader identification)

• Visibility and availability (Open and shared Master data repository)

• Productivity and Agility (Process improvement and reduced life cycles)

• Regulation compliance

• Data quality and security improvement
Data Mare Nostrum Concept

E-Compliance

Dangerous cargo master data harmonization with Portic Barcelona

- Standardisation of codes and formats for efficient integration
- Certification of business objet identification for all information systems
- Better use of existing information systems capacities
- Better availability of existing data
- Higher agility with reduced costs (Single entry)
DATA MARE NOSTRUM CONCEPT

INFORMATION LEVEL

• Standardisation of codes and formats for efficient integration

• Certification of business objet identification for all information systems

• Better use of existing information systems capacities

• Better availability of existing data

• Higher agility with reduced costs (Single entry)
Innovation: to substitute one transport document per another

- Issue T2L electronically
- Work at transport mean level instead of transport unit level,
- Interchange information with reliable and secure means,
- Avoid useless clerical work
DATA MARE NOSTRUM CONCEPT

**KNOWLEDGE LEVEL**

- **Traders**
  - Better Supply Chain visibility
  - Less cross-border delays
  - More accurate ETAs
  - Reduced cross-border costs

- **Cross Border agencies**
  - Data provided earlier
  - Better quality data: more precise, more detail
  - Better risk analysis and risk management
  - Better use of resources for tackling illegitimate traders
DATA MARE NOSTRUM CONCEPT

Transmediterranean data pipeline for data advanced management

- Trailer Number database creation
- Cargo description patterns for Veterinary and phytosanitary control
- UN/CEFACT Data-pipeline concept implementation
- Amendment about Recommandation 24 “Trade and transport statuts codes” related to logistic risks
A BRIDGE BETWEEN TWO SHORES

- DataMareNostrum is a communication platform enabling to facilitate the exchange of computerised data between the Mediterranean ports.

- The platform takes the form of a collaborative system based on the principle of a shared standard and communication between the port and airport communities.

- DataMareNostrum is an answer to international and European regulations aiming at reinforcing security of freight transport.
• **Technical level:** A lot of ports have digital platforms,

• **Regulation environment:** A lot of Intra-EU or EU-Med agreements exist,

• **Trade volume:** Mediterranean trade is important for Mediterranean port communities,

• **Trade specificity:** Trade complexity because of complex administrative procedures and cargo diversity
DATA MARE NOSTRUM CONCEPT

OBJECTIVES

• Provides port and airport professionals with the possibility to standardise their message formats for communication purposes.

• Anticipates security procedures and requirements (Export Control System; Import Control System; Authorised Economic Operator; Customs-Trade Partnership Against Terrorism).

• Ensures fast circulation of goods thanks to the control and reliability of the information supplied.

• Facilitates risk analyses and ensures greater fluidity for maritime disembarkation and for collection.
List of documents or information to be exchanged:

- Cargo status
- Vessel status
- Cargo manifest
- Dangerous declaration
- Phytosanitary certificate (Or status)
- Inspection certificate (Or status)
### MUTUAL BENEFITS

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<tr>
<th>Actors</th>
<th>Benefits</th>
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<td>Shipping agents</td>
<td>• Increase of the maritime mode competitiveness,</td>
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<td>• Increase of internal productivity due to simplification and dematerialisation,</td>
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<td>Customs administration</td>
<td>• Control facilitation,</td>
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<td>• A more competitive and reliable modal choice</td>
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Do you want to join the initiative?