THE MONA LISA PROJECT

AN UPDATE FROM JOHN FOORD
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Sea Traffic Management
The Containerisation of Maritime Information

Co-financed by the European Union
Trans-European Transport Network (TEN-T)
Surfin´ the paperwave, Captain??
Vision for information flow

From “Need to know” To “Need to share”
Goods

From

To
Information

From

Port A

To

Info 1
Info 2
Info 3
Etc...

Port A
Port B
Increased operational awareness on bridges

Deviation warning services
Reduced Environmental Impact

- Fewer accidents
- Seasonal no-go areas
- Less emissions

Risk reduction - shore and ship
Optimal routes - 12% less emission

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Increased Efficiency

- More route optimisation services
- Just-in-time port arrivals
- Shorter turn-around times

Increased predictability ETB/ETD
Improved turn-around-time
Increased port efficiency
Optimized use of berths/resources
Reduced waiting/anchoring time
Cost Distribution in Sea Transports

100% of the cost (fence to fence)

Bunker cost (70%)

27% (berth to berth)

- Inbound & outbound transportation
- Port Operations
- Sea Voyage
- Port Operations
- Inbound & outbound transportation
Governing towards states in the Port Call
Approach Management System
Single Window
Port CDM Information Service System
SeaSWIM

Shipping ERP
Vessel Operating System
Service Provider System
Port Community System
The STM evolution

2010 - 2013
- Route Exchange Feasibility Study
- BUDGET: 4 M Euro
- 7 Partners
- 3 Countries

2013-2015
- Defining the STM concept: governance, technical needs, services and benefits
- BUDGET: 24 M Euro
- 39 Partners
- 10 Countries

2015-2018
- Validating the business value of STM and its services on 300 vessels, in 13 ports and 5 service centres
- BUDGET: 43 M Euro
- 50+ Partners
- 13 Countries

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MONALISA 2.0 Advisory Groups

- Policy, Operational and Technical
- FONASBA part of Operational
- Input & some results of Advisory groups
- Information sharing principles:
  - Information owner decide who can share
  - Mandatory services receive minimum information needed
- Who to work closer with: eg. IPCSA
- Right focus of the Port Collaborative Decision Making concept
STM next step

Validating concepts at:
- 300 ships
- 13 ports
- 3 service centres

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