



Directorate-General
for Mobility
and Transport



European Maritime Day 2010

The EU e-Maritime Initiative

Gijon, 21 May 2010

Christos Pipitsoulis

Maritime transport policy, Ports & Inland waterways

European Commission – DG MOVE

The EU e-Maritime initiative

Recognising the important role of Information Technologies in the implementation of EU transport policies,

the EU e-Maritime initiative is aimed at fostering the use of advanced information technologies for working and doing business in the maritime transport sector.

e-Maritime objectives



Improved safety and security and environmental protection

Facilitate integration and intelligent processing of data from heterogeneous sensors and other information sources particularly from e-Navigation systems for safety, security and environmental risk management at organisational, regional and EU levels utilising optimally SSN, RIS and other EU Platforms.



Increased competitiveness

Support improved information exchange between Administrations and Business (A2B & B2A) through trusted interoperability platforms (e.g. National Single Windows), web-based services and increasingly automated regulatory compliance reporting systems. Support setting and managing optimised ship, port and logistics operations.



Improved working conditions

Support infotainment services and e-learning for maritime transport industry professionals focusing on seafarers. Support developing maritime transport knowledge sharing networks.

Goal

- ▶ The ultimate goal for the EU e-Maritime initiative is to make maritime transport safer, more secure, more environmentally friendly and more competitive by improving knowledge, facilitating business networking, and dealing with externalities.

Vision

- A stakeholder driven e-Maritime development programme
- Exploiting internet based solutions to address performance imperatives such as quality, flexibility, transparency and innovation
- Addressing European economic, social and safety, security and environmental needs.

Critical Success Factors

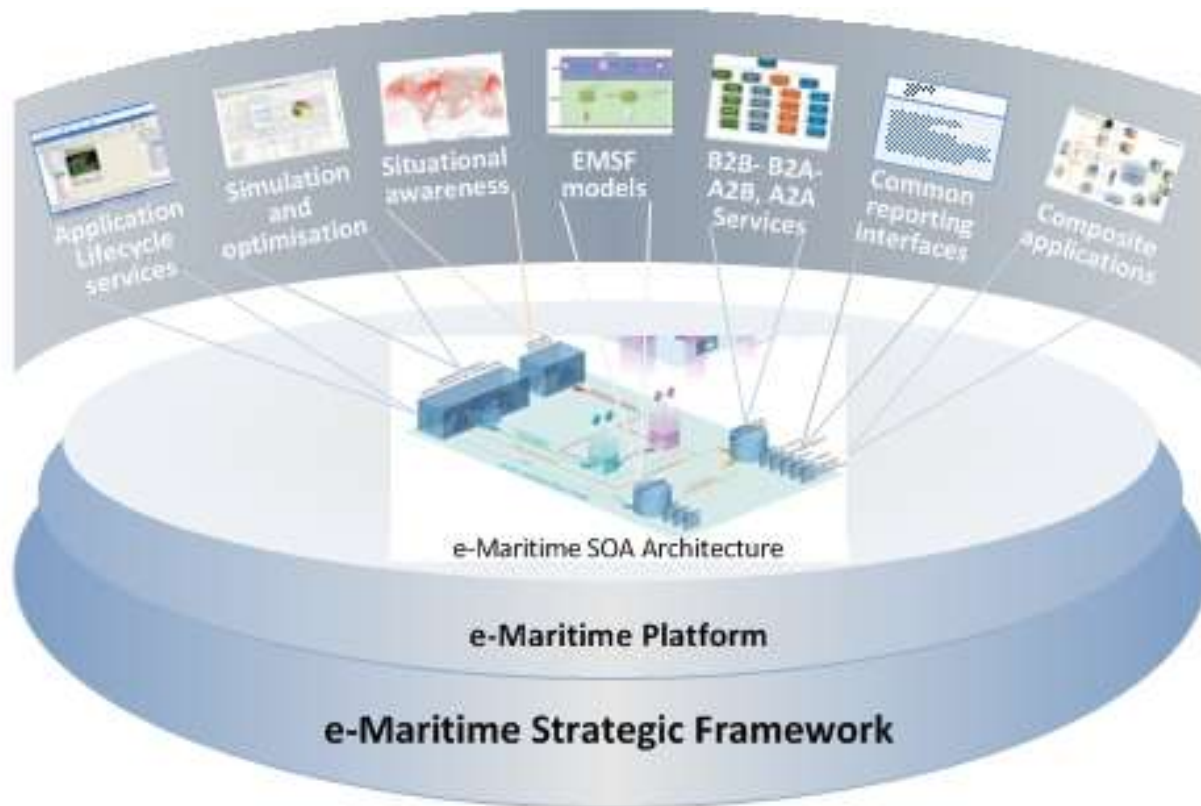
- ▶ e-Maritime touches upon existing interests, practices, and positions within the organisations which participate in the maritime value chain
- ▶ A necessary precursor to the success of the e-Maritime initiative is a thorough analysis of the needs and expectations of all affected authorities, organisations and business groups
- ▶ A strategic alignment of the plans of each of these stakeholders groups needs to be explored
- ▶ Active engagement of the key stakeholders is needed to drive the e-Maritime development programme.

Suggested approach for the EU e-Maritime initiative

- ▶ Development of an e-Maritime Strategic Framework and a Service Oriented Architecture providing a coherent view of the way Maritime Transport could operate at a future date (say 2020) to meet policy and business needs.
- ▶ Strong involvement of stakeholders in pilot implementations of the e-Maritime Strategic Framework utilising an e-Maritime Platform to facilitate:
 - evolution and further development of e-Maritime applications;
 - practical evaluation and determination of specific policies, standardisation and future research requirements.

Technical approach

e-Maritime will provide a business-ready service-oriented infrastructure empowering the European maritime sector in offering quality shipping services over an upgraded maritime transport information management infrastructure



Applications

1. Improved Administration Domain Applications

- Common Reporting Interface including dynamic integration with Single Windows;
- Surveillance for cargo and ship movements facilitating EU and national administrations to collaborate in safety, security and environmental risk management

2. Improved Business Domain Applications

- Improved Shipping Operations;
- Improved Port Operations;
- Integration into Logistic chains;
- Promotion of seafaring profession

Proposed Main Measures

- ▶ **M1:** Guidance, support, best practices, information on benefits of interoperable ICT systems
- ▶ **M2:** Actions to define e-Maritime standards
- ▶ **M3:** Measures to support the implementation of National Single Windows (NSW) or a European Single Window (ESW)
- ▶ **M4:** Measures to support stakeholders in implementing the necessary e-Maritime ICT infrastructure

Proposed Support Measures

- ▶ **M5:** Actions to support the intelligent use of data
 - ▶ **M6:** Actions to optimise traffic inside and around ports
 - ▶ **M7:** Actions to support e-services for seafarers
 - ▶ **M8:** Measures to support ship-shore broadband communication
-
- ▶ Also (R&D, studies, pilot projects, coordination and take-up support actions, etc.)

The EU e-Maritime and TEN-T

- ▶ the TEN-T programme is the main instrument for EU financing of transport infrastructure developments including Motorways of the Sea, which invariably rely on advanced ICT integration technologies.
- ▶ Therefore, the TEN-T can be seen as an important route to the actual application of e-Maritime solutions in the development of an efficient trans-European transport network.

Public consultation

- ▶ A public consultation on the EU e-Maritime initiative is now published online.
- ▶ The aim is to inform stakeholders and gather opinions on potential EU actions.
- ▶ The link for the consultation questionnaire is :

<http://ec.europa.eu/yourvoice/ipm/forms/dispatch?form=emaritime>

Consultation questions on the measures

- ▶ Provide your views on the proposed measures
- ▶ Propose additional measures and explain why they should be included.
- ▶ Specify what is the most important measure for you or your organisation and why.
- ▶ Comment on the need and benefits in establishing a European Single Window for reporting to administrations

Consultation questions on the impacts

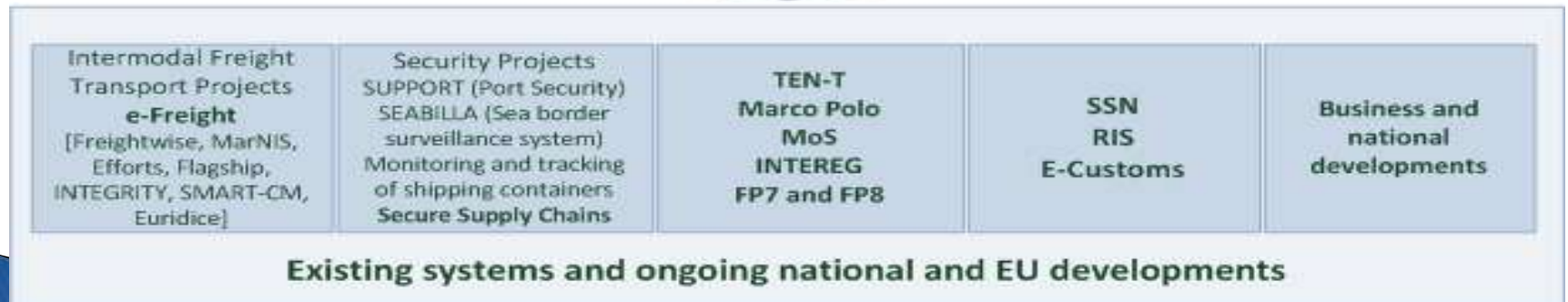
- ▶ Provide your views on the type and scale of impacts that might occur as a result of the e-Maritime initiative
- ▶ Please indicate expected scale and extent of impacts, whether negative or positive
- ▶ Are there other important impacts that would need special consideration?

Draft Roadmap

2010

2015

e-Maritime Framework Directive and other Policy measures



Thank you

The e-Maritime consultation questionnaire:

<http://ec.europa.eu/yourvoice/ipm/forms/dispatch?form=emaritime>

SKEMA e-Maritime study: <http://www.eskema.eu/>

Maritime Transport Policy:

http://ec.europa.eu/transport/index_en.html

christos.pipitsoulis@ec.europa.eu