

# Maritime Navigation and Information Services

## MarNIS

The MarNIS contribution to IALA  
on  
**E-Navigation**



# MarNIS Objectives

- **Improvement of safety, efficiency of maritime transport and the protection of the environment;**
- **Improvement of efficiency and reliability of information flows;**
- **Develop proposals for administrative, organisational and procedural changes;**
- **Develop proposals for new legislation**



# MarNIS Status

- **Project duration: November 2004 – March 2009**
  - **September 2008: Demonstrator in Genoa on the MarNIS concept – Maritime Operational Services and Maritime Information Management**
  - **October 2008: Demonstrator in Lisbon on VTM in Ports incl POADSS (MarNIS PPU)**
  - **Final review: 16-17 February 2009**
  - **Final Advisory Board meeting: 20 February 2009**
  - **150 reports of which 40 research reports**
  - **Final CD with research results: Publication April 2009**
  - **Final DVD with film on the MarNIS concept: March 2009**

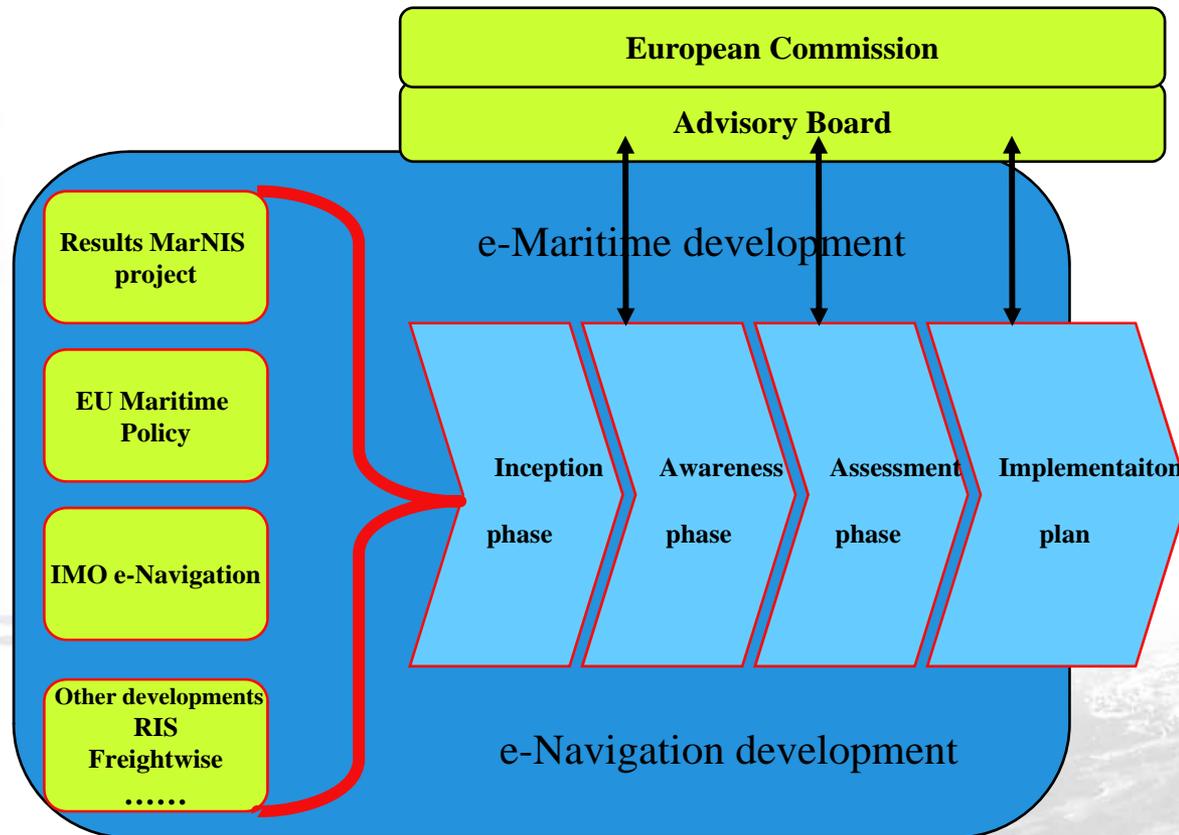


## Next steps

- **Meeting with the Chairman of the Transport Committee of the European Parliament;**
- **Meeting with TEN-T of the EC on the development of an Implementation Plan;**
- **MarNIS paper of the EC to IMO.**



# Proposal for the development of an implementation plan



*Development of an Implementation Plan for the MarNIS concept*



# Agenda

1. **MarNIS concept (Cees Glansdorp)**
2. **MarNIS architecture (Marit Natvig)**
3. **Maritime Operational Services (MOS)**
  - **Concept (Cees Glansdorp and Christer Waldegren)**
  - **Legal aspects (Dominic Jarvis)**
  - **Risk concept and its application in a MOS (Cees Glansdorp)**
  - **MOS operations and manning (Christer Waldegren)**
4. **Maritime Information Management (MIM) (Dominic Jarvis)**
  - **Single windows (SSN++, NSW)**
  - **Reporting and distribution**
  - **Legal impact of the MIM approach**
5. **Human factors (Jens Uwe Schroeder)**
  - **Model courses**
  - **Job profiles**
  - **Training aspect**
6. **Conclusions and European Commissions intentions (Christos Pipitsoulis (DGTREN)).**



# Maritime Operational Services

MOS

**Remedial services**  
Coastal and territorial waters  
&  
High seas

**Proactive Traffic Services**

**Routine Services**

**Enforcement**

## MarNIS e-Maritime concept focus on 2012-2020

**National Single Window (NSW)**

PEP

PEP

**European SSN<sup>++</sup> Network**

**Maritime related Authorities**

**Port Commercial Community systems (PCCS)**

**MarNIS Node**

**VTM in Ports**

**Local/Port Single window (PSW)**

**EMSA Central Server System - SSN<sup>++</sup>**

- Voyage plan server
  - AIS rep.
  - LRIT rep.
- Req. & Res. Server

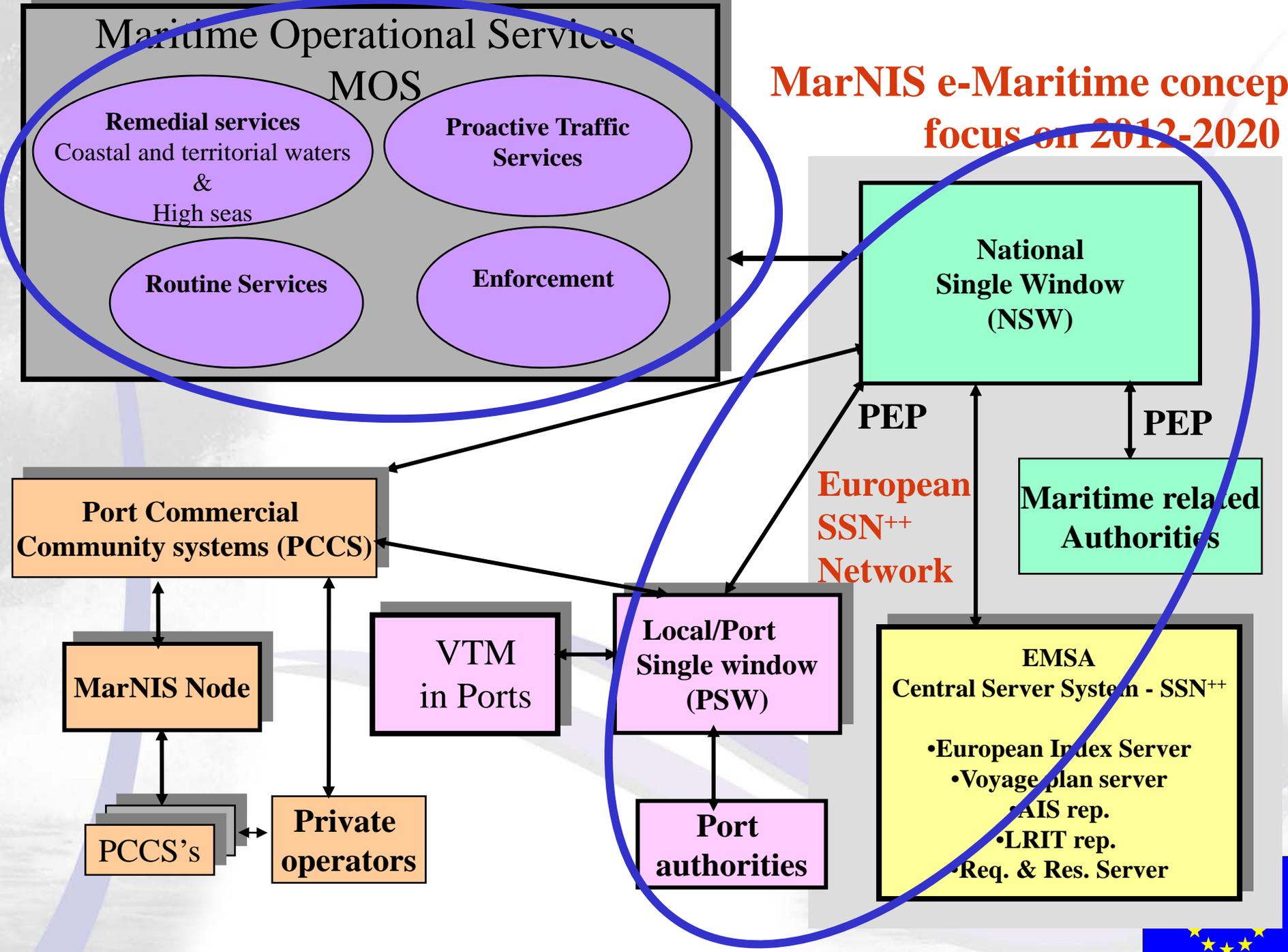
**PCCS's**

**Private operators**

**Port authorities**



# MarNIS e-Maritime concept focus on 2012-2020





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**Thank you**

