

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**

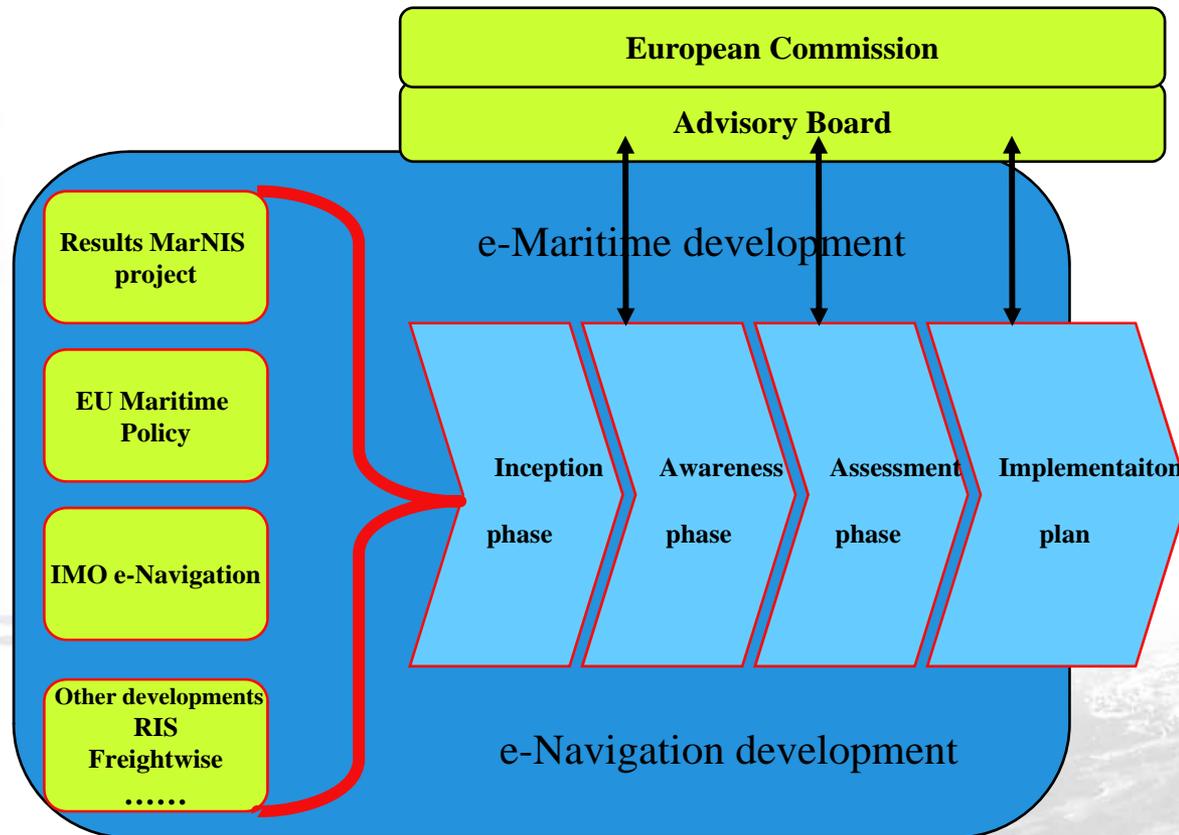


Next steps

- **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⁺⁺ Network

Maritime related Authorities

Port Commercial Community systems (PCCS)

MarNIS Node

VTM in Ports

Local/Port Single window (PSW)

EMSA Central Server System - SSN⁺⁺

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

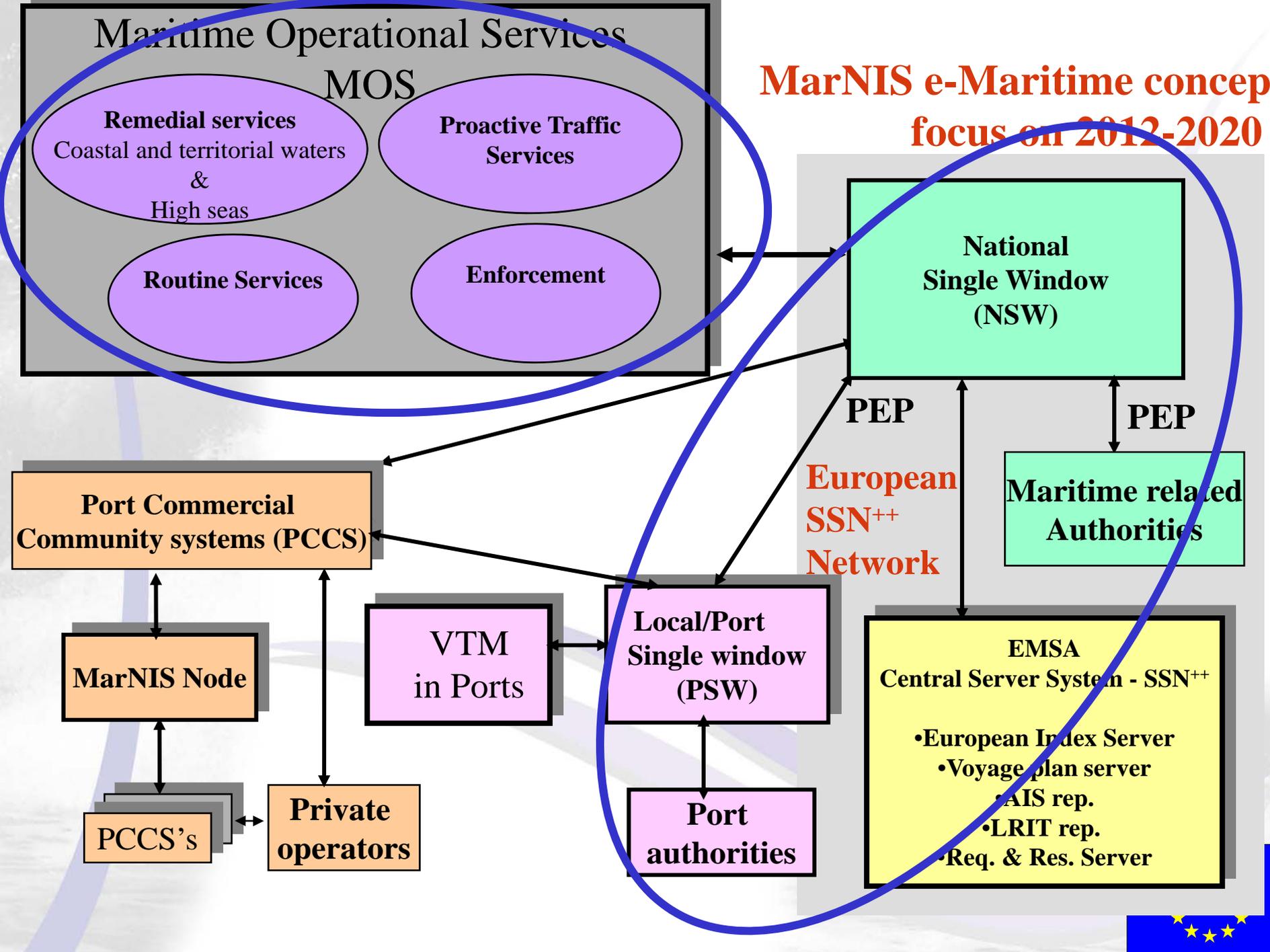
PCCS's

Private operators

Port authorities



MarNIS e-Maritime concept focus on 2012-2020





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Thank you

