



"e-Maritime strategic framework and pilot implementation" Mary Vayou, Project Coordinator BMT Group Ltd

Kick-off Meeting, Brussels

eMAR 09 Feb 2012

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Project strategy

- To combine a top-down route (EMSF) with a bottom-up way through the pilot implementation involving interfacing and upgrading existing applications using the eMAR software platform
- Pilot implementation of the *e-Maritime Strategic Framework* aimed at:
 - giving a broad cross-section of the maritime industry the opportunity to 'learn by doing' in order to assist the Commission in establishing substantiated directives and research plans.
 - showing clearly the boundaries of emerging technologies and leading edge practices.
 - providing better estimates of benefits and impacts.
 - providing an open 'show case' for the EU e-Maritime initiative with facilities for wide participation.



The eMAR objectives

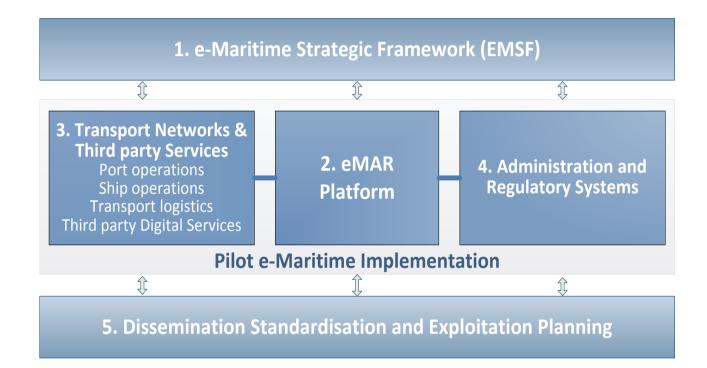
- An e-Maritime Strategic Framework (EMSF) bringing together into a coherent whole <u>concepts</u>, <u>processes</u>, <u>standards</u> and <u>technologies</u> that will enable networking and computer supported co-operation among the principal maritime transport stakeholder groups.
- A prototype e-Maritime Platform based on existing technologies and outputs from ongoing projects, to establish upgraded solutions for acquiring, handling, exchanging and sharing essential data in the most efficient way, taking into consideration commercial confidentiality between stakeholders.
- A pilot implementation of the e-Maritime Strategic Framework to facilitate its practical evaluation and determination of specific policy, standardisation and future research requirements. The pilot implementation will involve a target of 100 organisations, both from the private and public sector, interfacing their existing applications using the prototype e-Maritime Platform



| | Stake | holder categories | Consortium partners & subcontractors | | | | | | | | |
|---|--------------------------|----------------------------------|---|--|--|--|--|--|--|--|--|
| | | Large research and consultancy | BMT | | | | | | | | |
| | | Market research | MORI | | | | | | | | |
| | | Global marine services provider | Inchcape Shipping Services | | | | | | | | |
| | | Shipbroking solutions | ICAP | | | | | | | | |
| | - | Transport ICT solution providers | DANAOS, eBOS, INLECOM, MJC2, PTV, CLMS | | | | | | | | |
| | Transport solutions | Shipping e-commerce solutions | SHIPSERVE | | | | | | | | |
| | organisations | Port Community Systems | PORTBASE, PortNet, SOGET, VALENCIA.COM | | | | | | | | |
| | | Shipping Navigation and | SAM Electronics | | | | | | | | |
| S | | electronic systems | | | | | | | | | |
| | | Marine systems manufacturer | Wärtsilä | | | | | | | | |
| Ð | | SME Transport consultancies | MARLO, NECL, Econsult | | | | | | | | |
| č | Administration | | Norwegian Coastal Administration | | | | | | | | |
| | | | Maritime Administration of Latvia | | | | | | | | |
| L | Classification Societies | | DNV | | | | | | | | |
| | | Ports / Freight Village | Valencia Port, Le-Havre, Rotterdam, | | | | | | | | |
| B | Transport service provi | | Interporto Bologna | | | | | | | | |
| | | Shipping | DANAOS Shipping | | | | | | | | |
| | Transport Associations | | ECSA, EMEC, CLECAT | | | | | | | | |
| | Universities | | •University of South Denmark -Department of | | | | | | | | |
| | | | Maritime Research and Innovation | | | | | | | | |
| | | | •University of Piraeus Research Centre | | | | | | | | |
| | | | •Vilnius Gediminas Technical University | | | | | | | | |
| | | | •Competence Centre of Intermodal Transport | | | | | | | | |
| | | | and Logistics | | | | | | | | |

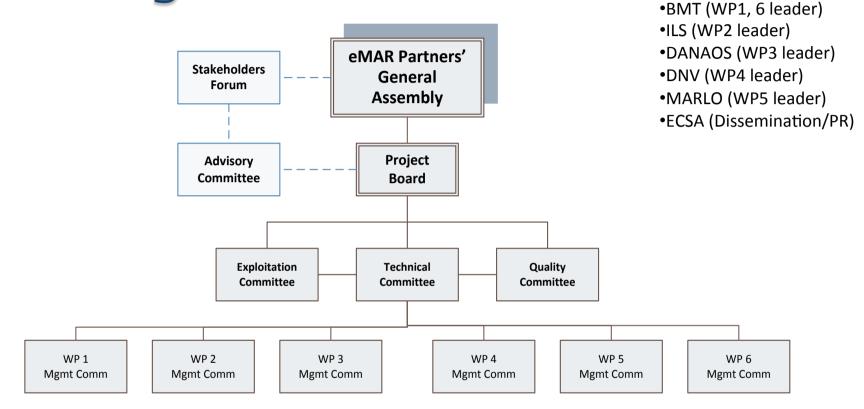


Project structure





Management Structure





Workplan

| | Tasks in Work Packages | Lead | person- | % | | | | | | | | | | | | | onth | - | | | | | | | | | | | | Start- | |
|------|--|--------|---------|------|---|-----|-------|----|------|----|------|------------|-------|------|-------|----|-------|----|------|------------|------|------|------|-----------------|----|------|------|--------|-----|--------|-----|
| | - | | months | | | 23 | 456 | 78 | 9 10 | | | 13 1 | 14 15 | 5 16 | 17 18 | 19 | 20 2: | 22 | 23 2 | 24 2 | 5 26 | 27 2 | .8 2 |) 30 | 31 | 32 3 | | 4 35 3 | | (mon | · · |
| | e-Maritime Strategic Framework (EMSF) | 1 | 55.1 | 15% | | | | | | M | Z | | | | | | | | | | | | L | | | | М | • | _ | 1 | 34 |
| T1.1 | Stakeholder needs analysis & market surveys | 16 | 18.5 | | | | | | | | | | | | | | | | | | | | _ | | | | _ | | _ | 1 | 6 |
| T1.2 | Policy, legal and standardization requirements analysis | 17 | 5.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 9 |
| | e-Maritime Strategic Framework (EMSF) Specification | 1 | 31.1 | | | | i | | | V1 | | | | | | | | | V | /2 | | | | | | | V3 | | _ | 4 | 34 |
| WP2 | eMar Platform | 10 | 58.0 | 15% | | | | | | | | Ν | M4 | | | | | | | | M7 | | | | | | | | | 6 | 32 |
| T2.1 | eMAR Architecture and Base Platform | 10 | 21.3 | | | | | | | | V1 | | | | | | | | V | /2 | | | | | | | | | | 6 | 32 |
| T2.2 | Connectivity and Information Management Services | 4 | 14.0 | | | | | | | | | V | /1 | | | | | | | | V2 | | | | | | | | 1 | 11 | 32 |
| T2.3 | e-Maritime Semantic Services | 1 | 4.9 | | | | | | | | | V | /1 | | | | | | | | V2 | | | | | | | | 1 | 11 | 32 |
| T2.4 | Optimisation Services | 15 | 4.9 | | | | | | | | | | | | | V1 | | | | | V2 | | | | | | | | 1 | 11 | 32 |
| WP3 | eMAR Business Applications | 2 | 141.1 | 38% | | | | | | | | | | | | | N | 5 | | | | | | | | | | | 1 | 11 | 33 |
| T3.1 | Port e-Maritime Solutions | 25 | 31.6 | | | | | | | | | | | | | | V | 1 | | | | | | | | V | 2 | | | 11 | 33 |
| T3.2 | Shipping e-Maritime Solutions | 2 | 16.5 | | | | | | | | | | | | | | V | 1 | | | | | | | | V | 2 | | | 11 | 33 |
| T3.3 | Transport Logistics e-Maritime Solutions | 11 | 40.7 | | | | | | | | | | | | | | V | 1 | | | | | | | | V | 2 | | 1 | 11 | 33 |
| T3.4 | Interfacing Third party Digital Services | 9 | 52.3 | | | | | | | | | | | | | | V | 1 | | | | | | | | V | 2 | | 1 | 11 | 33 |
| WP4 | eMAR Administration Applications | 3 | 47.8 | 13% | | | | | | | | | | | | | | | Ν | / 6 | | | | | | | | | 1 | 11 | 33 |
| T4.1 | Interfacing with SSN and related developments | 24 | 12.4 | | | | | | | | | | | | | | | | V | /1 | | | | | | V | 2 | | 1 | 11 | 33 |
| T4.2 | eMAR NSW | 13 | 21.9 | | | | | | | | | | | | | | | | v | /1 | | | | | | V | 2 | | - 1 | 11 | 33 |
| T4.3 | Interfacing with Class, Safety, Security & Environmental Systems | 3 | 13.5 | | | | | | | | | | | | | | | | ۷ | /1 | | | | | | V | 2 | | 1 | 11 | 33 |
| WP5 | Dissemination, Evaluation and Standardisation | 14 | 59.1 | 16% | | | | | | | M3 | | | | | | | | | | | | | | | | | | | 1 | 36 |
| T5.1 | Website, intranet and observatory | 4 | 2.1 | | | | | | | | V1 | | | | | | | | V | /2 | | | | | | | | V | 3 | 1 | 36 |
| T5.2 | E- Maritime Forum and Dissemination Programme | 6 | 15.4 | | П | | | | | | V1 | | | | | | | | V | /2 | | | | | | | | V | /3 | 2 | 36 |
| T5.3 | Evaluation, Policy and Research Recommendations | 14 | 14.2 | | | | | | | | V1 | | | | | | | | V | /2 | | | | | | | | V | 3 | 7 | 36 |
| T5.4 | Standardisation | 14 | 4.0 | | | | | | | | V1 | | | | | | | | V | /2 | | | | | | | | V | 3 | 7 | 36 |
| T5.5 | Exploitation planning | 1 | 4.8 | | | | | | i | | V1 | | | | | | | | V | /2 | | | | | | | | V | 3 | 7 | 36 |
| T5.6 | EU e-Maritime Programme Support | 1 | 18.6 | | | | IA V1 | | | | CR V | V 1 | | | | | | | С | R V2 | | | | | | | | IA, C | :R | 1 | 36 |
| WP6 | Project Management | 1 | 14.5 | 4% | | И1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 36 |
| T6.1 | Legal and administrative project management | 1 | 4.5 | | | 1 | | | | | V2 | | | | | | | | V | /3 | | | | | | | | V | 4 | 1 | 36 |
| T6.2 | Project planning and technical co-ordination | 10 | 7.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 36 |
| T6.3 | Quality assurance | 14 | 3.0 | | | V | 1 | | | | V2 | | | | | | | | V | /3 | | | | | | | | V | /4 | 1 | 36 |
| | Total (Person-m | onths) | 375.6 | 100% | 1 | 2 3 | 456 | 78 | 9 10 | 11 | 12 | 13 1 | 14 15 | 5 16 | 17 18 | 19 | 20 2 | 22 | 23 2 | 24 2 | 5 26 | 27 : | 28 2 | 9 30 | 31 | 32 3 | 3 34 | 35 | 36 | | |

Outputs phased development

