



**SKEMA - PROPS Stakeholder workshop**  
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***The EU e-Maritime initiative***

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## What is the EU e-Maritime initiative (1)

- The EU e-Maritime initiative is intended as a broad and embracing initiative in the maritime transport sector aimed at facilitating and supporting the development and take-up of the latest enabling ICT technologies for the improvement of maritime transportation services as part of the integrated EU Transport System.
- The e-Maritime initiative will take fully into account the international nature of shipping and will establish co-operation with international organisations concerned with maritime safety and security.



## What is the EU e-Maritime initiative (2)

- it embodies a set of capabilities, strategies and policies facilitating the deployment of “e-Maritime” in Europe
- to be implemented through a framework Directive that encompasses legal, organisational, and technical frameworks (including Human Factors, Change Management, Standards) to enable maritime transport actors to seamlessly and effortlessly exchange information and improve the efficiency and quality of their services



## An EU e-Maritime Framework (1)

- A framework Directive sets:
- ❑ The scope, context, definitions and the minimum requirements
  - ❑ The general rules seeking the active encouragement of best ICT practices throughout the industry.
  - ❑ The key application domains where competitiveness and performance can be strengthened and enhanced
  - ❑ The objectives, structure and mandate for policy/technical bodies that would facilitate or undertake the development solutions and the regulatory framework to support them (through subsequent Directives).

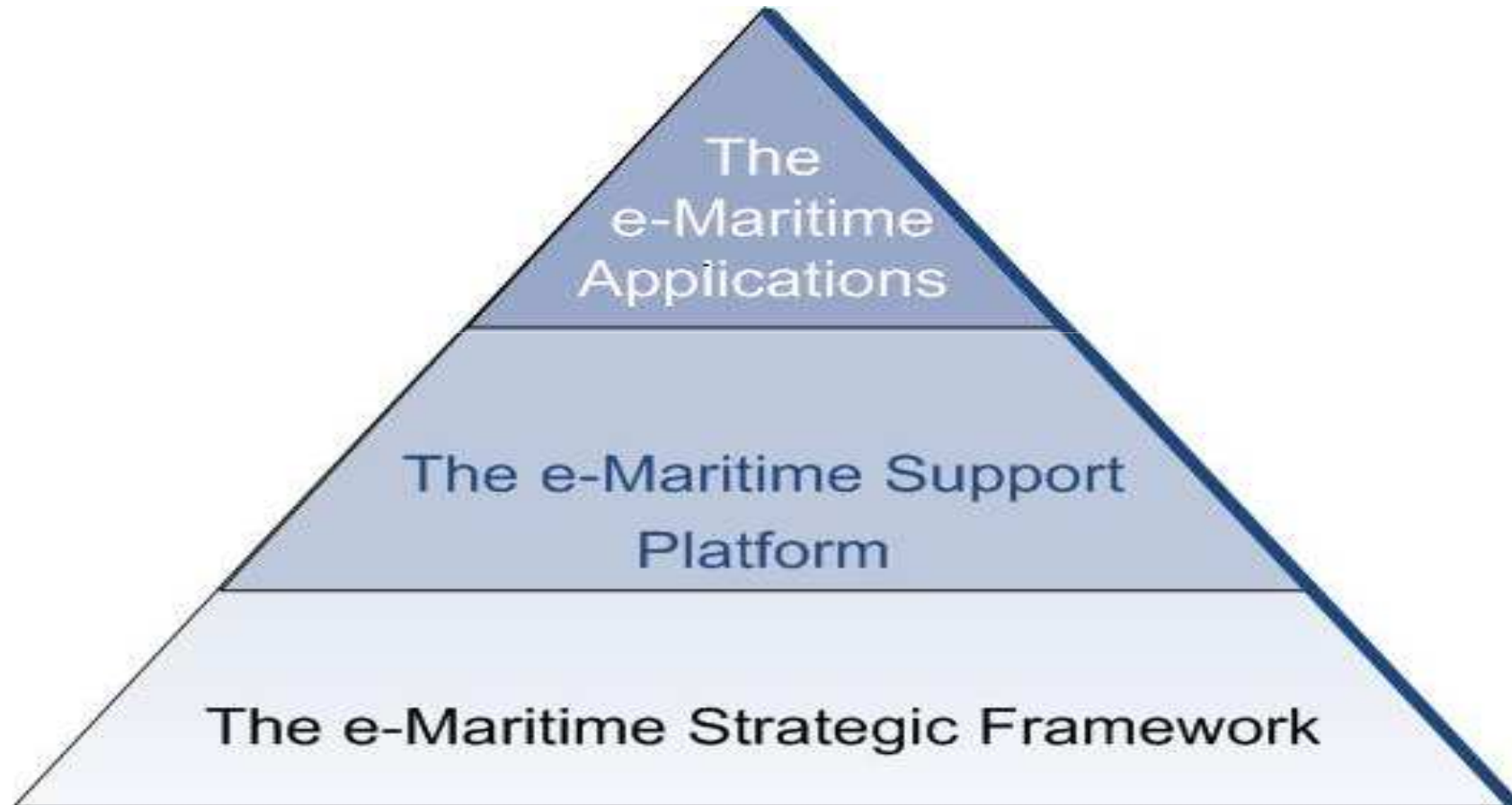


## An EU e-Maritime Framework (2)

- Subsequent Directives will link specific objectives, e.g. e-learning and improved working conditions with information management. The (only) aspects they have in common are:
  - ❑ the use of ICT for interoperability and integration within a broader scope of operations
  - ❑ and the potential to be included within a single framework Directive (most important for the Commission)



# The EU e-Maritime components





## The e-Maritime Strategic Framework

- Will specify a coherent view of the way Maritime Transport could operate at a future date (say 2020)
- Reflects the framework directive on the key stakeholder requirements, basic principles to ensure interoperability (standards), policies, legal, technology, human factors, ongoing developments.
- To be completed by 2012



## The e-Maritime Support Platform

- Enabling technologies: communication, navigation and surveillance networks
- EU value adding networks: SSN, databases, e-Customs, e-Freight
- Standards, ICT and software engineering tools for interoperability and integration of data and services
- facilitating the development and deployment of e-Maritime applications
- To be completed by 2015





## The e-Maritime Applications

- demonstrating the potential benefits of e-Maritime in real life situations involving administrations and business across Europe
- grouped in 4-5 main categories of operations where benefits can be easily appreciated.
  - Administration Domain Applications;
  - Improved Shipping Operations;
  - Improved Port Operations;
  - Integration into Logistic chains;
  - Promote seafaring profession and sea-shipping
- to be in operation by 2018



## Administration Domain Applications

- such as National Single Windows for ship and cargo reporting integrated to SSN, e-customs and other mode platforms for integrated safety, security and operation and emergency management processes in EU coastal waters
- compliance to and enforcement of regulations and policy implementation
- EU system for the collection and sharing of data relevant to the compilation of maritime transport statistics



## Ship Operation Applications

- monitoring CO2 operational index – improved ship environmental monitoring and control
- improved automation in ship reporting
- inspection planning and compliance monitoring
- proactive maintenance, remote technical support, interaction with classification societies
- resource management optimisation



## Port Operations Applications

- Port Community Systems for Small and Medium size ports
- Integration of Port Single Windows with national and international web portals
- Managing quality of data collection and automation of statistics reports
- Coordination of inspections
- Resource management, optimized movements of cargo, containers, passengers, equipment
- Integrated port security management



## Logistic Chains Applications

- support integration of SSS into logistic chains with services that support the establishment of co-operating transport networks
- search and comparison of transport services and negotiation mechanisms
- monitoring and control of service quality
- influence the environmental footprint of transportation on key inter-modal corridors



## Promoting Seafaring and Shipping Image

- Improving the image of EU Shipping
- Informing on the various professions in the maritime transport sector
- Applied e-Learning and training courses for carrier development both at sea and in land
- Communication and infotainments services for the well being of seafarers

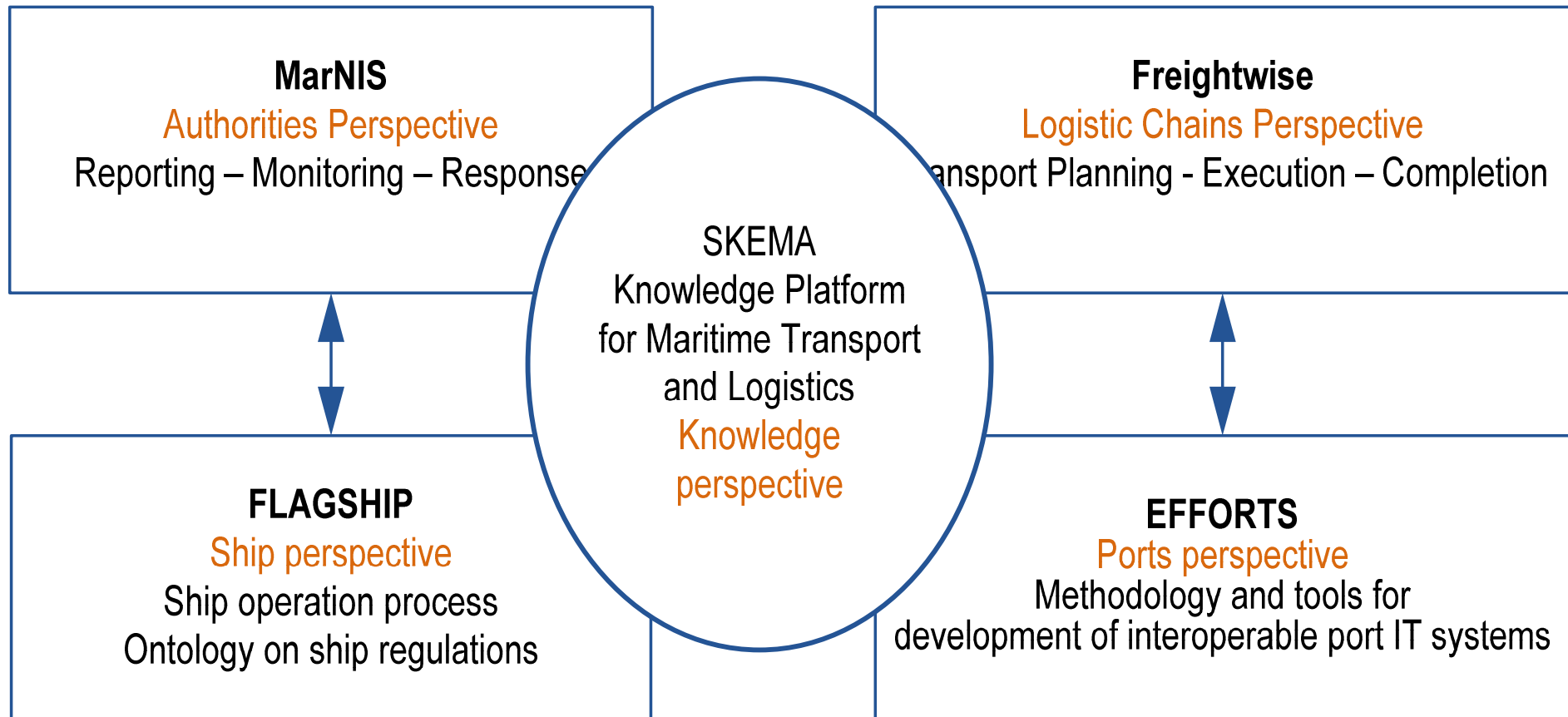


## Related Developments

- Community Vessel Traffic Monitoring and Information System Directive (2009/17/EC, amending 2002/59/EC)
- e-Navigation
- e-Customs
- e-Freight
- Integrated Surveillance System - EUROSUR



# Reference Projects







## e-Maritime next steps

- One or two studies will elaborate on the different aspects of the Communication and the Directive; July – December 2009;
- Extended consultation will take place from September 2009;
- An Impact Assessment will be delivered February 2010;
- The draft Communication and the Directive including a roadmap will be ready for adoption by the Commission in June 2010



## Questions for consultation

1. Comment on the scope and the approach presented;
2. Identify the potential risks for this initiative;
3. State the most important drivers for change;
4. State the aims in which e-Maritime should be focussed from your own business perspective;
5. Identify alternatives for achieving “e-Maritime” aims other than the presented approach;
6. How one could establish a better understanding of the different practices between the different EU actors?



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## References

- **Maritime Transport Policy:** [http://ec.europa.eu/transport/index\\_en.html](http://ec.europa.eu/transport/index_en.html)
- **Logistics:** <http://ec.europa.eu/transport/logistics/>
- **Customs:** [http://ec.europa.eu/taxation\\_customs/taxation/index\\_en.htm](http://ec.europa.eu/taxation_customs/taxation/index_en.htm)
- **Integrated Maritime Policy:** <http://ec.europa.eu/maritimeaffairs/>
- **SafeSeaNet:** <http://www.emsa.eu.int/>
- **MarNIS (Maritime Navigation and Information Services):** [www.marnis.org](http://www.marnis.org)
- **FREIGHTWISE:** <http://www.freightwise.info/cms>
- **SKEMA:** <http://www.skematransport.eu/>



**European Commission**

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The present is a personal opinion. It does not represent an  
official position of the European Commission

Thank you for your attention

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