

# iala-aism



## *Mona Lisa 2.0*


**Final Conference  
Göteborg, November 2015**

**IALA**

***The International Association of  
Marine Aids to Navigation  
and Lighthouse Authorities***

**Ómar Frits Eriksson**  
**Chairman IALA e-Navigation Committee**  
**Director, Maritime Technology, Danish Maritime Authority**

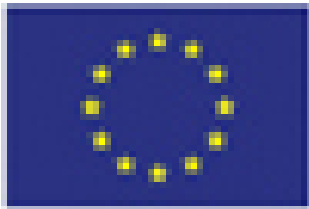
# IALA Committees

- 1) AtoN Requirement Management Committee**
  - 2) VTS Committee**
  - 3) Engineering and Sustainability Committee**
  - 4) e-Navigation Committee**
- + Legal Advisory Panel (LAP)  
Policy Advisory Panel (PAP)**
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# MONA LISA

SECURING  
THE CHAIN BY **2.0**  
INTELLIGENCE AT SEA



**Co-financed by the European Union**  

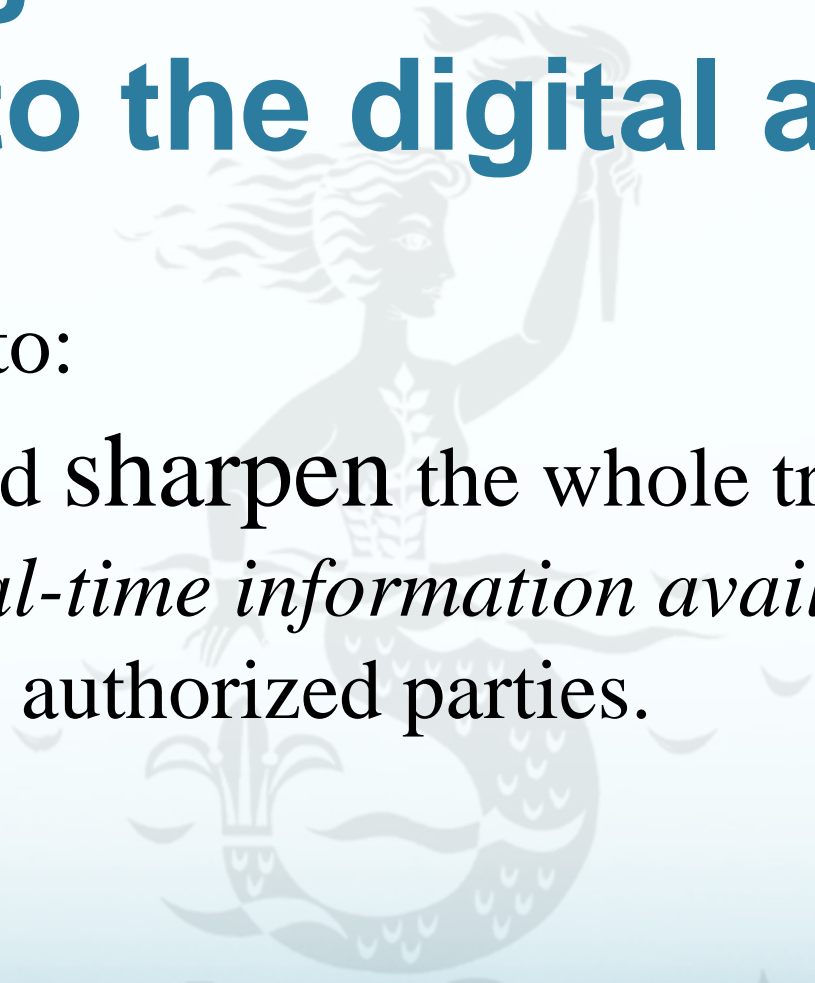
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**Trans-European Transport Network (TEN-T)**

# Taking maritime transport into the digital age

The vision is to:

**shake** up and **sharpen** the whole transport chain  
by *making real-time information available* to all  
interested and authorized parties.



# Taking maritime transport into the digital age...

It is called Sea Traffic Management (STM) and  
it will change the maritime world.

It is like introducing the Smartphone,  
at first no one really knows what they need it for,  
and then they cannot live without it.

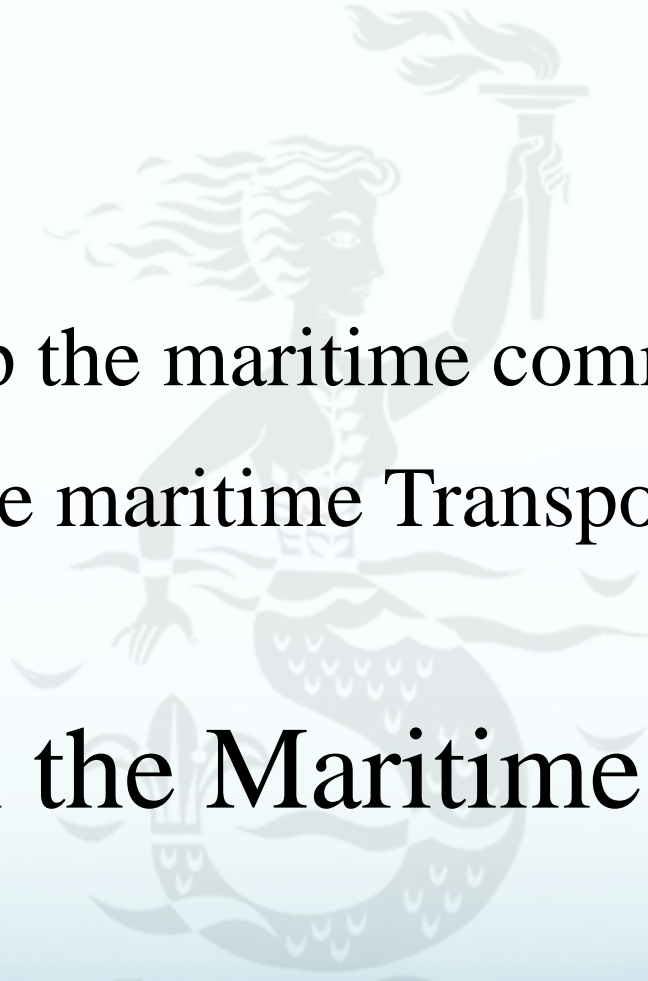
*Magnus Sundström*

# Valuable results

Shaking up the maritime community

Sharpen the maritime Transport Chain

Change in the Maritime World



# Valuable results

More tangible results:

**SWIM Concept** (*need to Share information*)

**Route Exchange** (std's for sharing voyage info)

**EU Maritime Simulation Network**  
(exceptional and unique asset)



# Sea Traffic Management

Improving *Transport Efficiency*  
and *Reduce Risk* in congested waters.

But *the world is still not ready for it...*

Need for **Change of Mindset**

# Main challenge for making STM come true?

Maritime Community is rather conservative

Ship-owners must see the Business Case

Must be a global initiative

Must be based on International Standards  
(infrastructure such as the Maritime Cloud)

# Dissemination, Dissemination



# Contribution to IALA, IHO, IMO in terms of e-Navigation & VTS

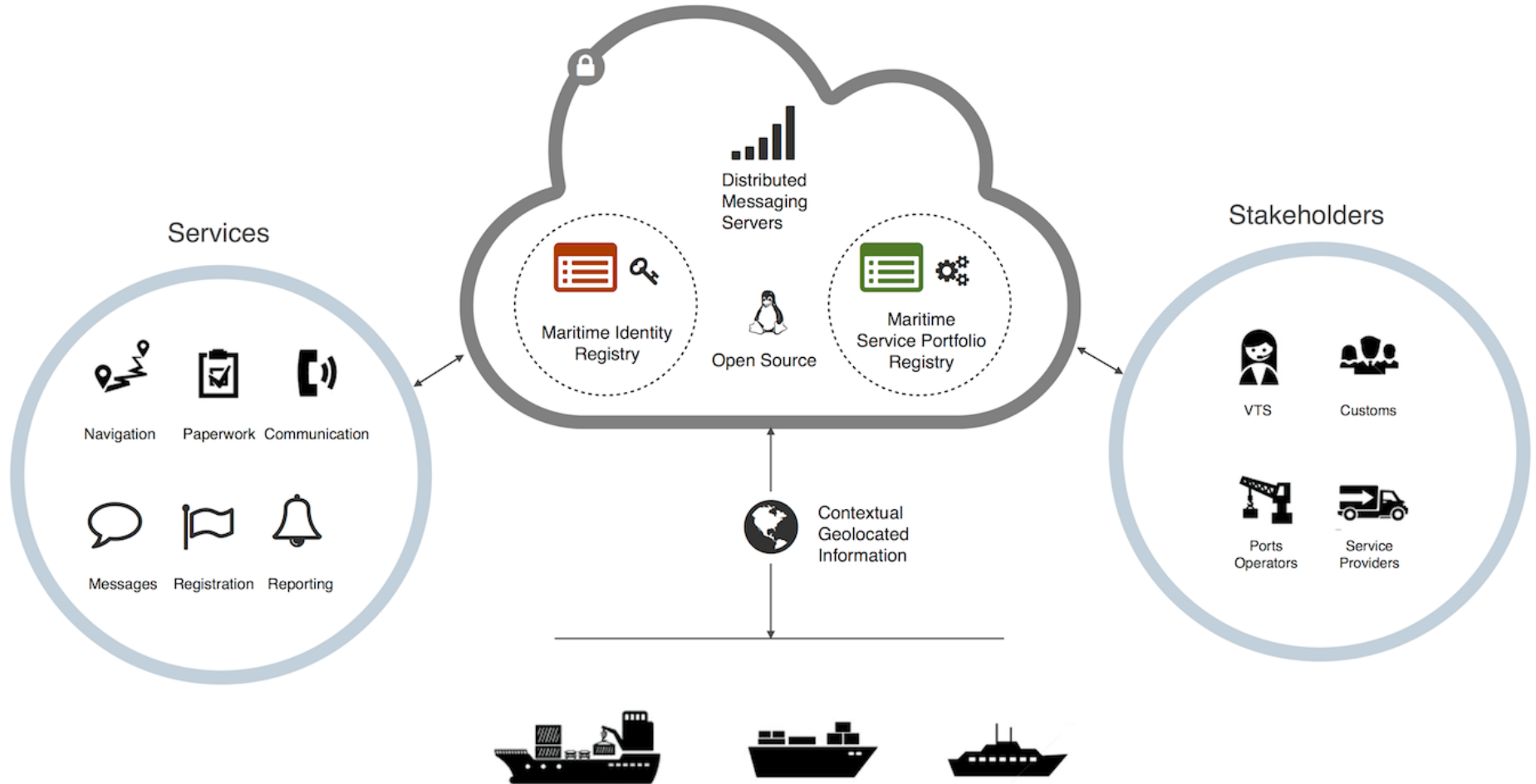
I would like to see more inputs from MONALISA2.0 to IALA ENAV and VTS committees.

Introducing STM will take time, but let's get the International Standards done now.

Lets use the **Maritime Cloud**

as the Global infrastructure framework

# The Maritime Cloud



*Logical Infrastructure framework based on Internet Technology  
Identity and Service Registry – Geographical Awareness  
Utilizes existing Communication Technologies - allows Roaming*

# Keep up the good work

The opinion of the EU with a population of 500 million – cannot be ignored.

All partners representing 10 countries (and EU) should speak with one voice in the IMO and ITU supporting e-Navigation and the principles Developed by MONALISA 2.0

*While Mona Lisa still is smiling  
Let's all shake and sharpen  
Let's make a difference for ships sailing  
Let's make some change happen*

# Something has changed!

*We made Mona Lisa keep on smiling  
We have all shaken and sharpened  
We made a difference for ships sailing  
Some change has already happened!*

*and the show must go on....*