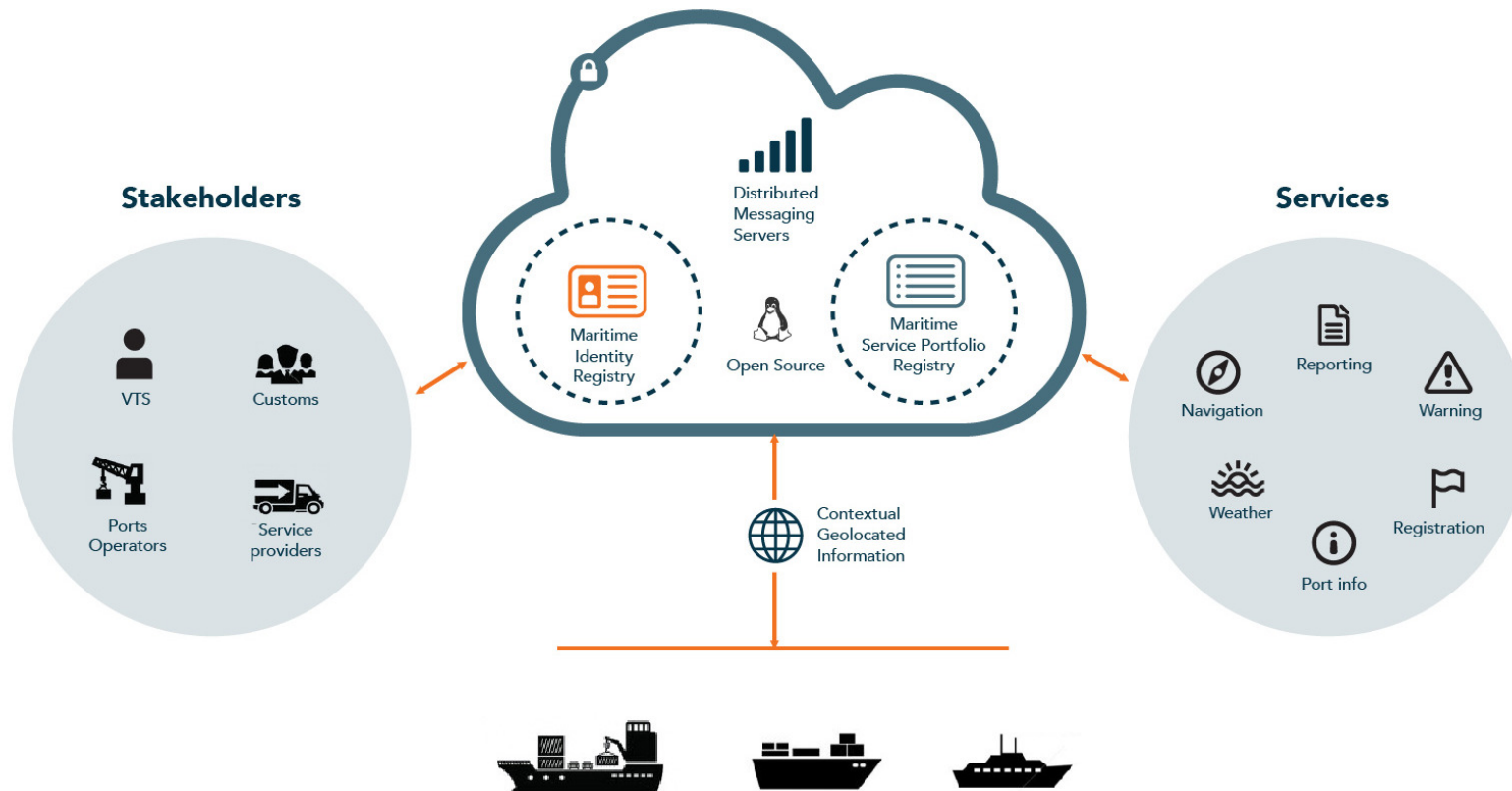


## A Maritime Cloud update



# THE MARITIME CLOUD



# The Maritime Cloud Development Forum

With three working groups

Service  
specification and  
provision



Identity  
management  
and security



Communication  
and messaging





## Unique identifiers for maritime resources; MRN

*"urn:mrn:"<NSS>*

*<NSS>::=<governing-organization>":"<type>":"<type-specific-part>*

ENAV18-9.17 Comments on ENAV17-14.1.5 on MRN Unique Identifiers

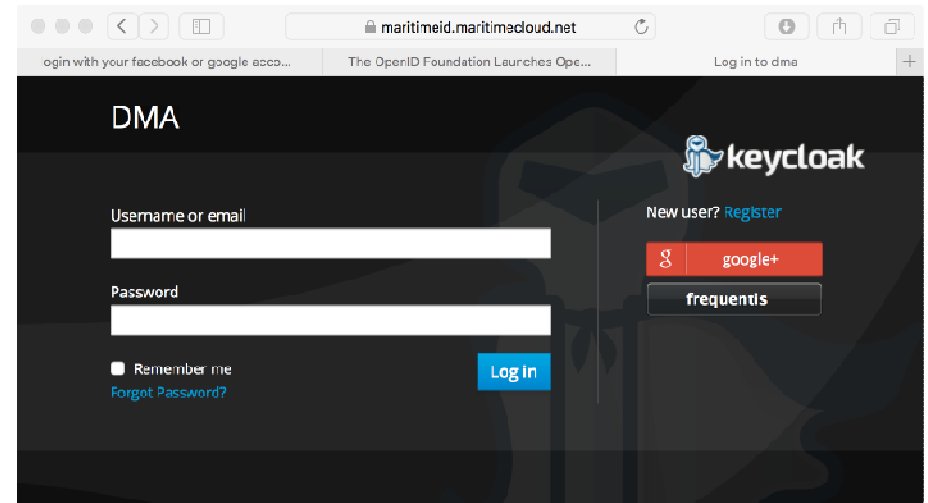
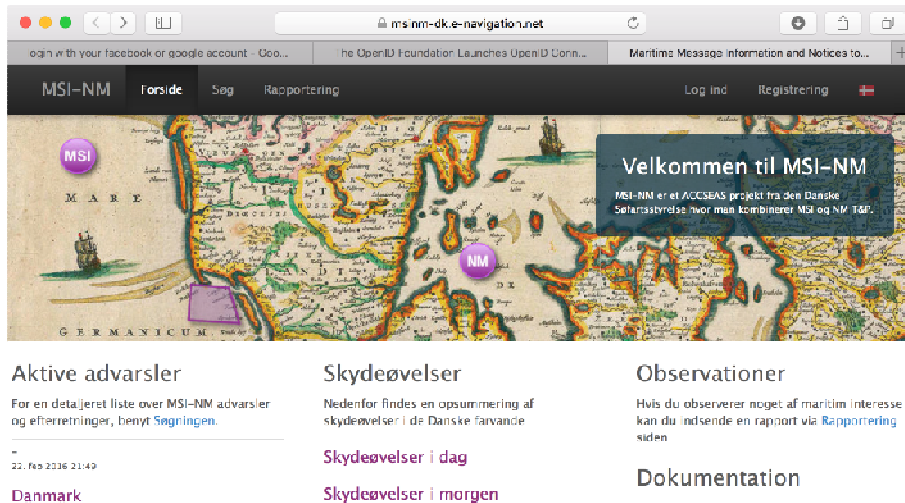
ENAV18-9.18 Proposed action on establishing maritime resource namespace v0.0

Hope we can discuss in WG1

Identity  
management  
and security

## Solutions for identity management and security; twofold

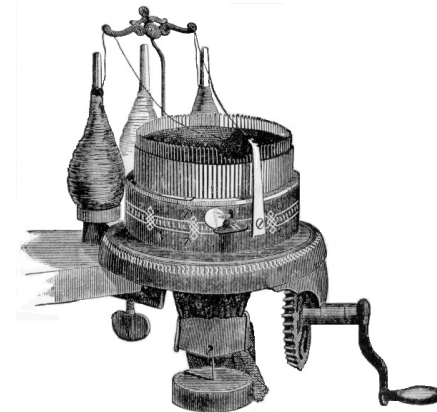
Federated approach using 'OpenID connect' for web and applications



Identity  
management  
and security

## Solutions for identity management and security; twofold

PKI (Public Key Infrastructure) using X509 certificates for M2M





Also for further discussion in WG1?

(we do have an informal paper)



Service  
specification and  
provision

Communication  
and messaging

A small presentation in WG4

At some point also involve WG3





ENAV18-9.5 Questions on a Digital Infrastructure Framework for e-navigation (rev3)

Delivery 2 (e-NAV 18): A set of recommendations for how IALA should react to the opportunities of Maritime Cloud and SWIM.

---

# EfficienSea2 Conference: **GETTING CONNECTED TO THE FUTURE** November 8-9, 2016 in Copenhagen

---

Technology and smart concepts are rapidly evolving within the field of maritime navigation, communication and administration. Join us to learn about the cutting edge developments of EfficienSea2. Discuss and shape the future solutions with us.

- Will The Maritime Cloud be groundbreaking, solve identity management and foster Big Data at sea?
- Experience the alpha release of the regional e-Navigation pilot the BalticWeb platform. Can the Baltic Sea become a role model for global roll out of e-Navigation?
- Examine how standardised, navigational and administrative services can reduce the risk of accidents, increase efficiency and create incentives to comply with emission regulations?

Read more about EfficienSea2 and submit to the conference at [www.efficiensea2.org](http://www.efficiensea2.org). The full programme and exact location in Copenhagen will be announced in August 2016. Join our EfficienSea2 LinkedIn group to get project updates.



The EfficienSea2 project has received funding from The European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 636339