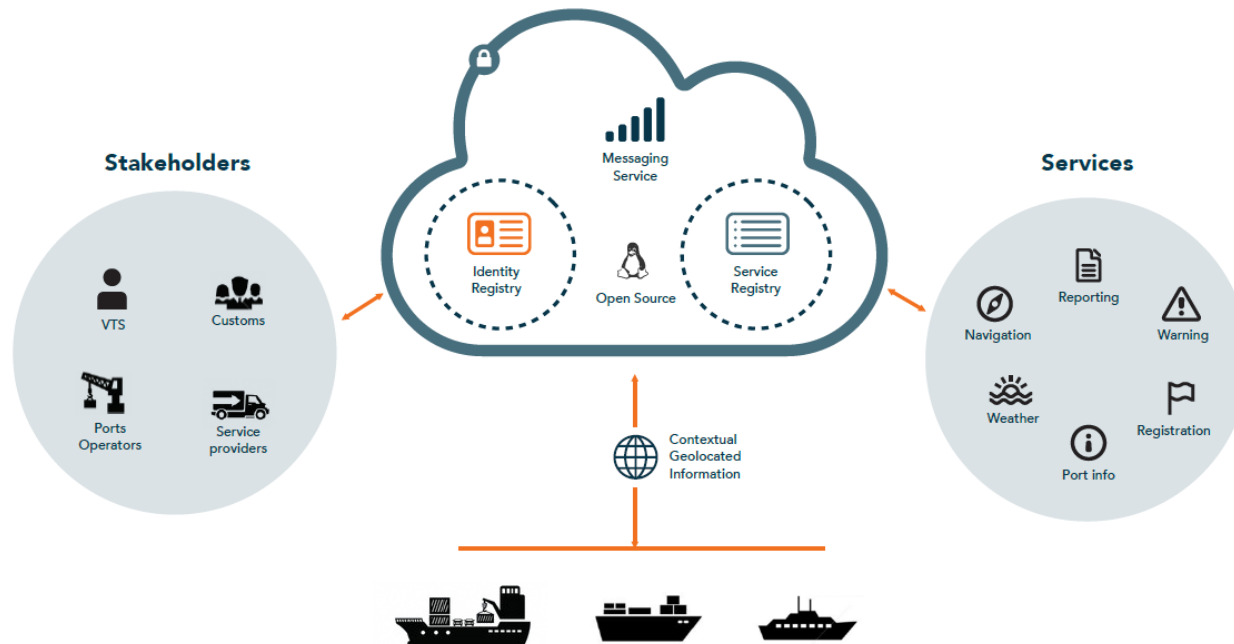


# REALISING THE POTENTIAL OF THE MARITIME CLOUD

## *Scenarios for Shipping Operations in 2020*



Bjørn Borbye Pedersen, Danish Maritime Authority  
Digital Ship Copenhagen, April 5th 2016.



# THE EFFICIENSEA2 PROJECT

AIM: CO-CREATE AND  
DEPLOY INNOVATIVE  
AND SMART SOLUTIONS  
FOR EFFICIENT, SAFE  
AND SUSTAINABLE  
TRAFFIC AT SEA

## FACTS

Length: **36** months

Start: May **2015**

End: April **2018**

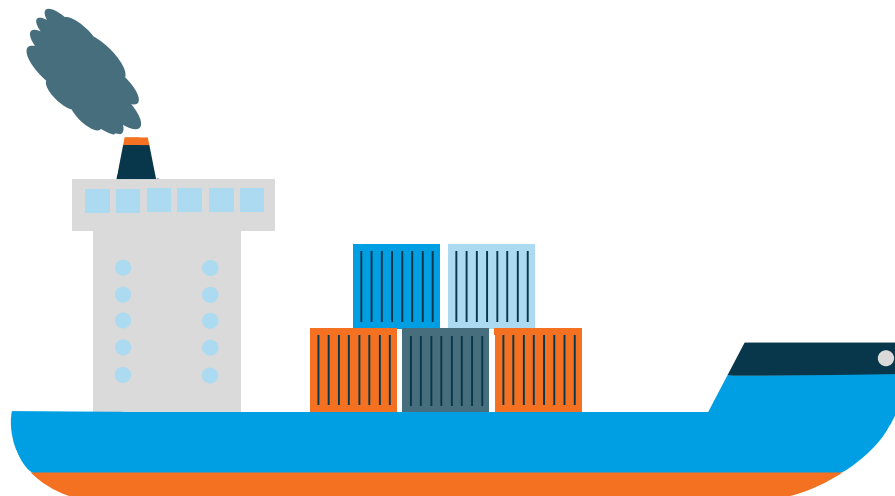
Budget: **11.5** M Euro

EU funding: **9.8** M Euro

Partners: **32**

Partner countries: **12**

Total work: **1164** man months



# EfficienSea2 scope – four areas of focus

- 1 End user services – smart navigation and administration
- 2 Platform displays – web and onboard equipment
- 3 Communication framework – The Maritime Cloud
- 4 Communication channels – smart roaming and VDES

# EFFICIENSEA2 PARTNERS



# THE MARITIME CLOUD





Identity  
Registry

# IDENTITY AND AUTHENTICATION

THIS IS WHO I AM



Low trust

High trust



Identity  
Registry

# AUTHORISATION

THESE ARE MY RIGHTS



Weather



Warning



Port info



Navigation



Weather



Warning



Registration



Certificate



Port info



Navigation



Weather



Warning





# MESSAGING SERVICE



Contextual  
Geolocated  
Information





Service  
Registry

# DISCOVERY

## LOCATING MY SERVICES





Service  
Registry

# CATALOG

## MY SERVICES

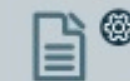
### Authorised



Certificate



Registration



Reporting



Chart update



### Commercial



Reporting



Weather



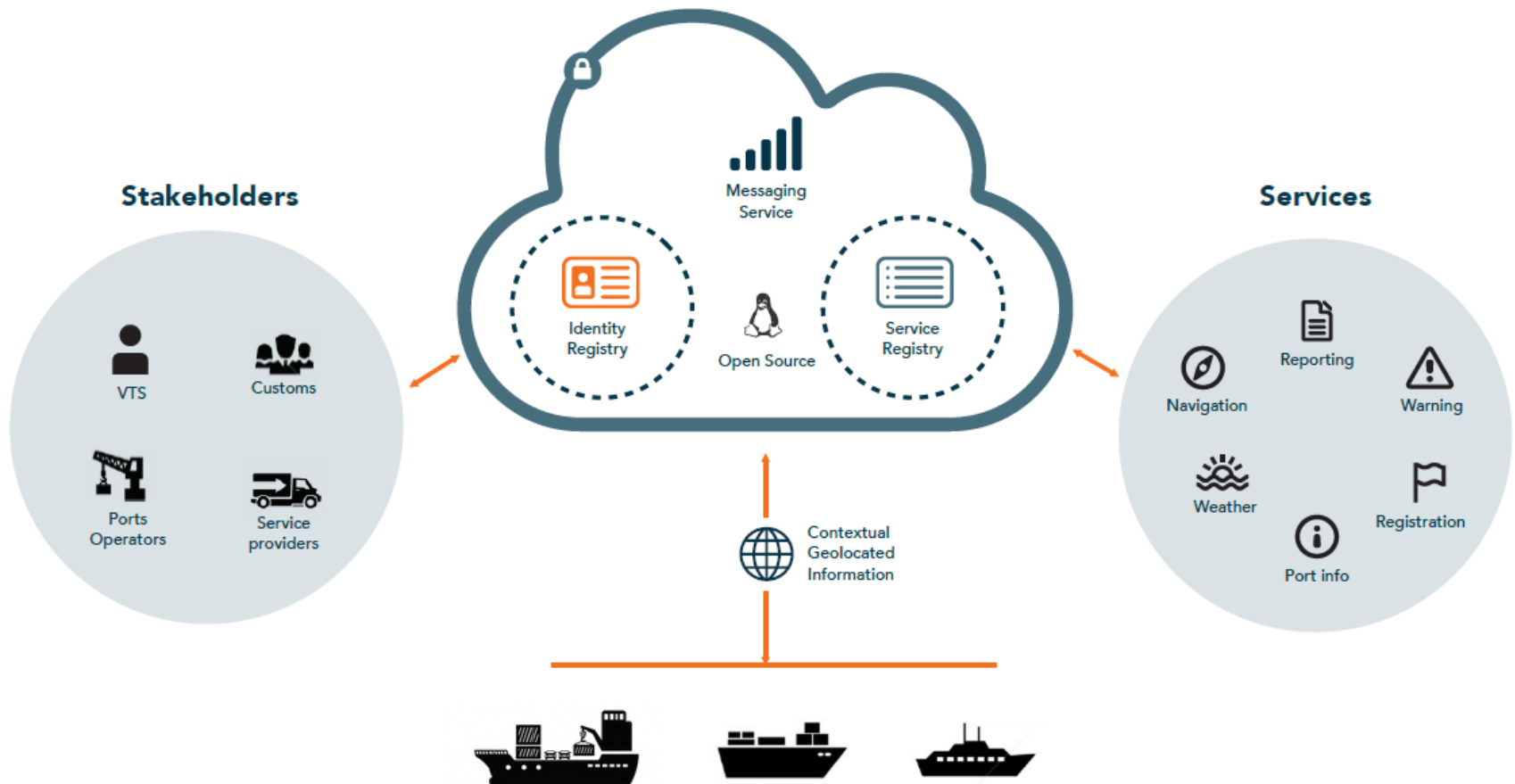
Port info



Marina info

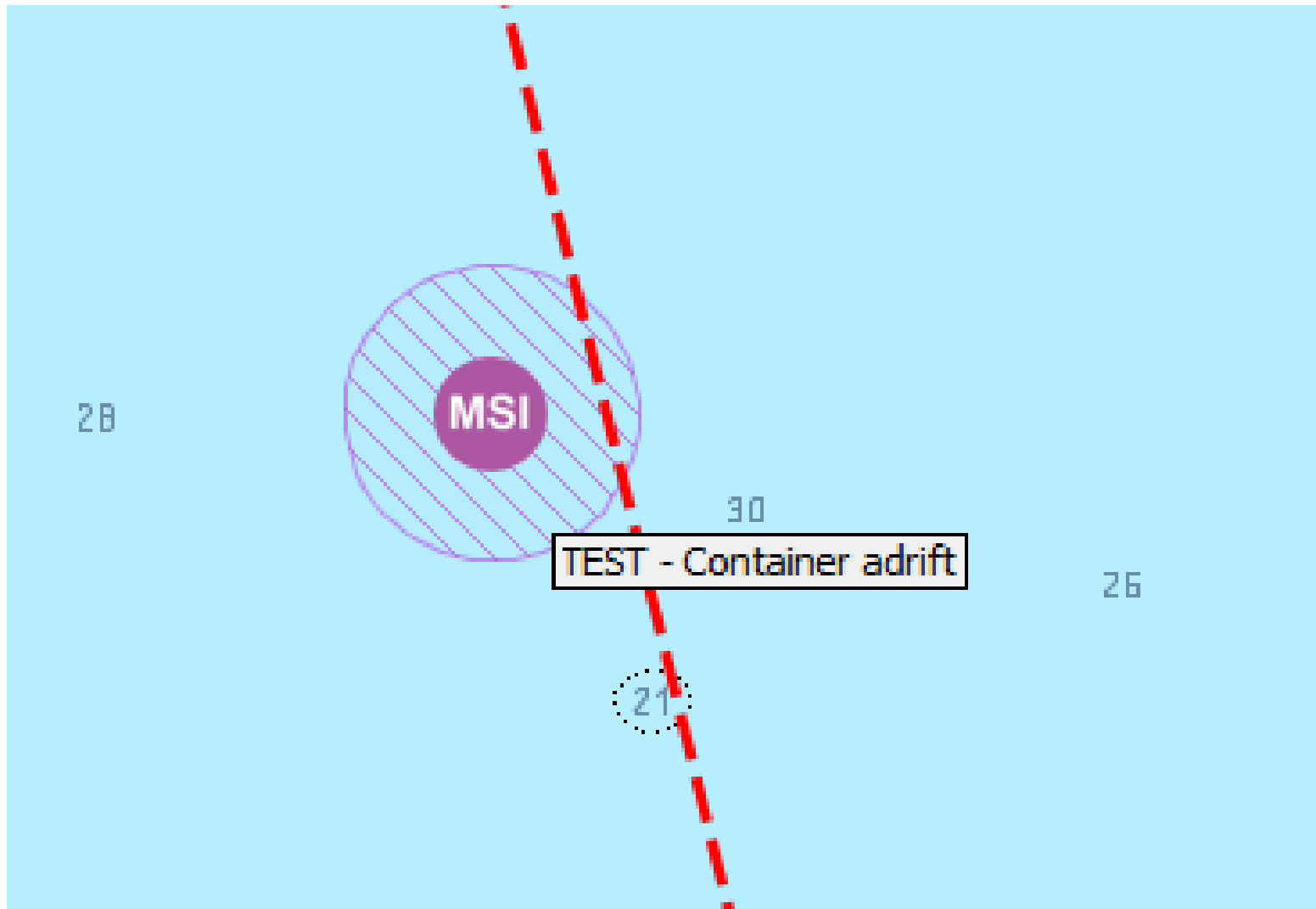


# Fast forward to 2020...





# 2020 Maritime Safety Information on route

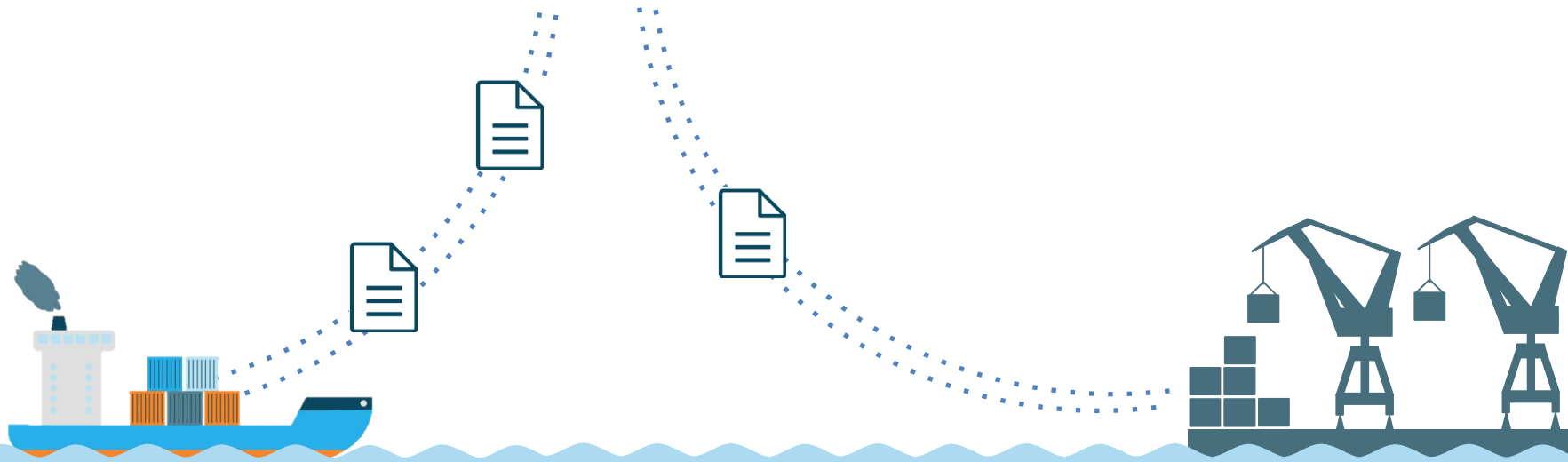




# SECURE INFORMATION EXCHANGE



THE MARITIME CLOUD





# What would this 2020 future mean for your business?

## Which part of the Maritime Cloud is most crucial for your operations?

- Jeppe Skovbakke Juhl, Senior Marine Technical Officer, **BIMCO**
- Hans Ottosen, CEO, **Danelec**
- Jan Kragh Michelsen, Vice President Maritime Business Unit, **Cobham SATCOM**
- Mads Friis Sørensen, Branch Manager, **Furuno**
- Vinay Venkatraman, CEO, **Leapcraft**
- Ulf Siwe, Communication Officer, **Swedish Maritime Administration**

# THE MARITIME CLOUD



# Stay connected

Learn more about the Maritime Cloud, EfficienSea2 and how we work for efficient, safe and sustainable traffic at sea at:  
**[www.efficiensea2.org](http://www.efficiensea2.org)**



Join our EfficienSea2 LinkedIn group to get project updates

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