



Project Presentation

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Efficiensea2.org



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Project Objective

CO-CREATE AND DEPLOY
INNOVATIVE SOLUTIONS
FOR SAFER AND MORE
EFFICIENT WATERBORNE
OPERATIONS



FACTS

Length: **36** months

Start: May **2015**

Budget: **11.5** M Euro

EU funding: **9.8** M Euro

Partners: **32**

Partner countries: **12**

Total work: **1164** man
months

Partners



Four focus areas

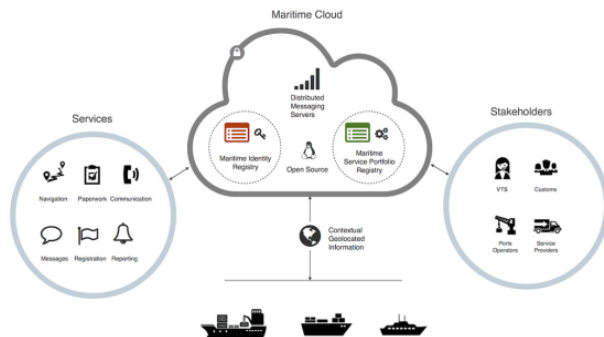
1. End user services



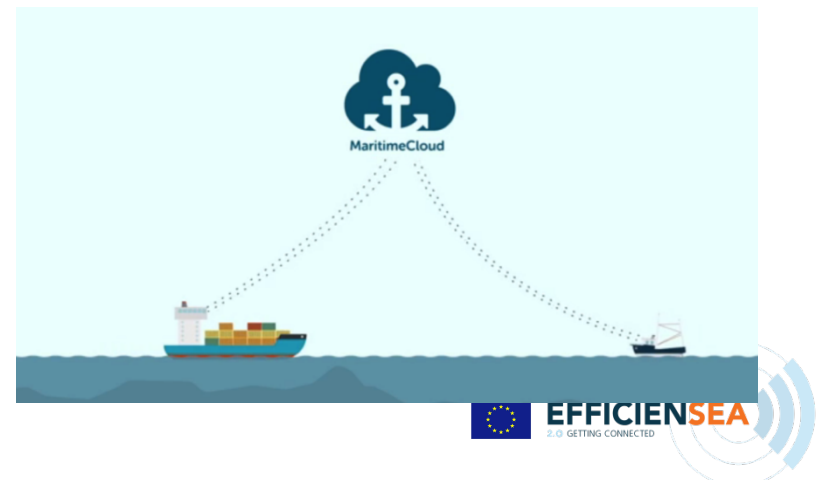
2. Platform displays



3. Communication and service framework



4. Communication channels



Movie Time

- www.maritimecloud.net

e-Navigation Services



NAVIGATIONAL WARNINGS SERVICE

METOC SERVICE ON ROUTE

SPACE WEATHER SERVICE

ROUTE OPTIMISATION STANDARD
SERVICE

ROUTE EXCHANGE SERVICE AND
STANDARD

NO-GO AREAS & COMFORT ZONES

AUTOMATED DIGITAL REPORTING TO VTS
AND PORTS

SAR SOLUTIONS FOR ARCTIC

NAUTICAL CHARTS SERVICES ON THE
S100 STANDARDS

STANDARD AND SERVICE FOR PORT
INFORMATION

EMISSION MONITORING SERVICE



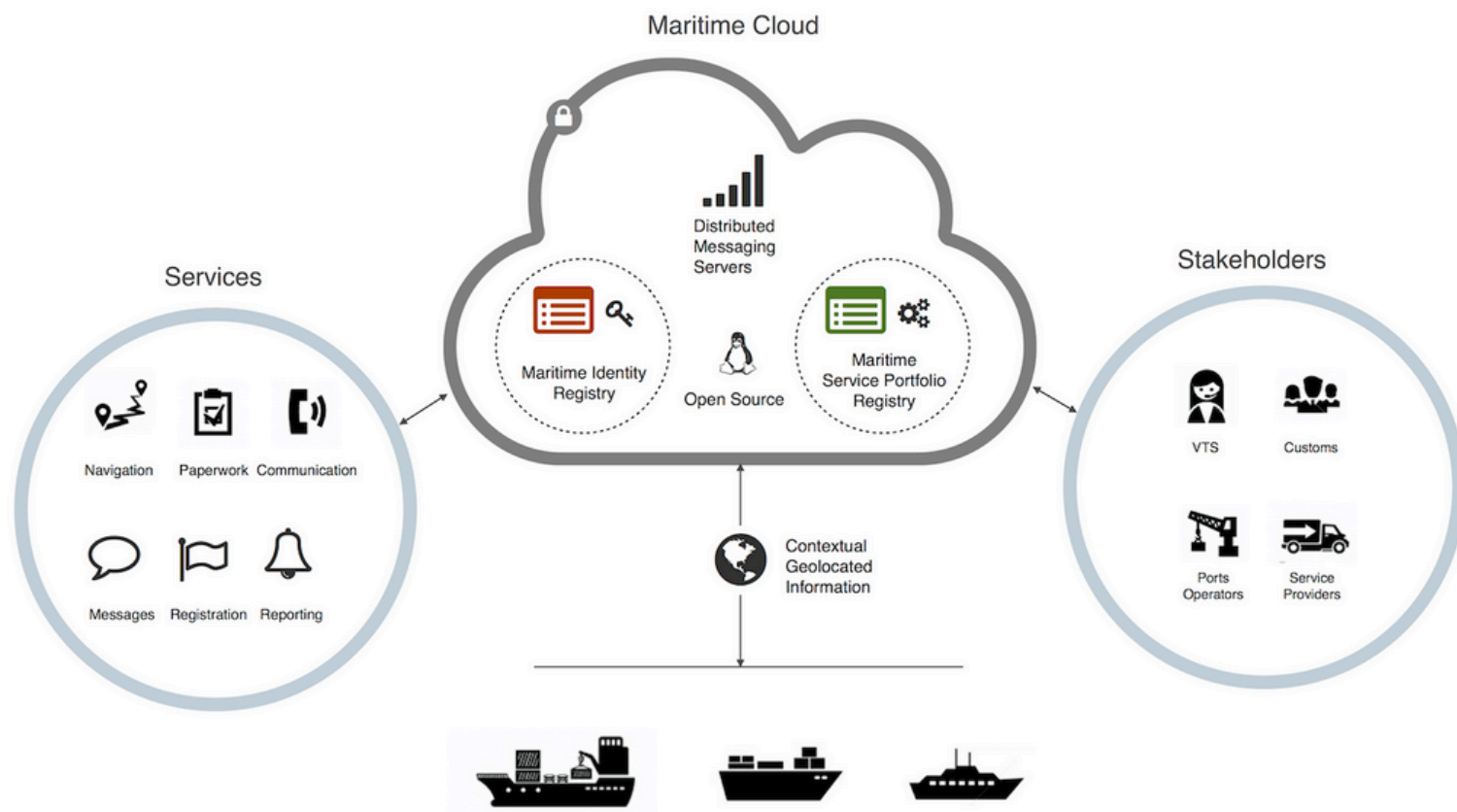
EFFICIENSEA
GETTING CONNECTED



Platforms

- 
- ARCTIC WEB & BALTIC MARITIME WEB
 - EPD e-NAVIGATION & PROTOTYPE DISPLAY
 - COMMERCIAL PROTOTYPES
 - ONSHORE

Find & Connect – Maritime Cloud



Getting & Exchanging Data

- VHF DATA EXCHANGE SYSTEMS

- AVAILABLE & EMERGING COMM. TECHNOLOGIES



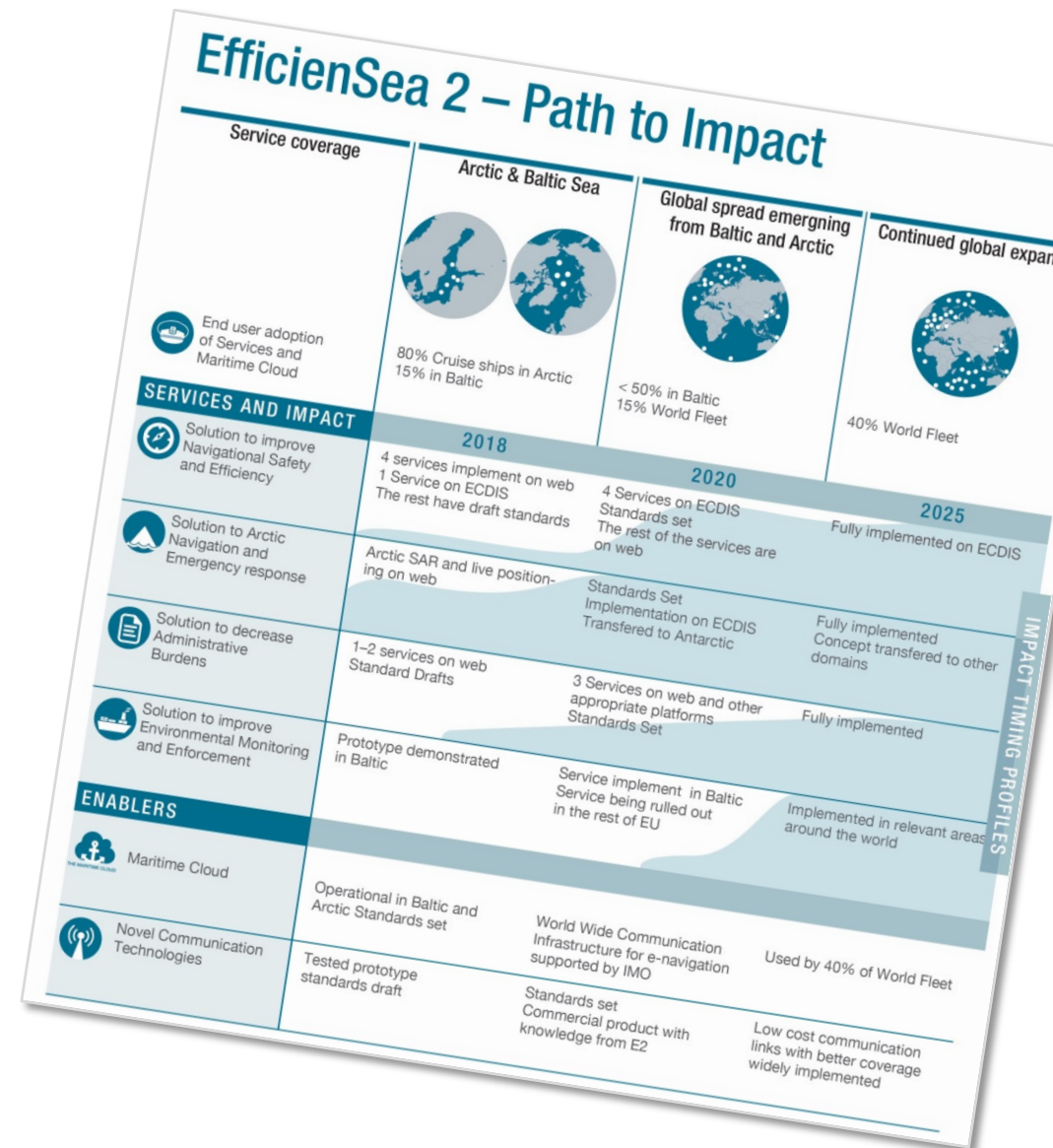
- ROBUST, SEAMLESS & LOW COST ROAMING

- CONNECTION TO SHIP SYSTEMS



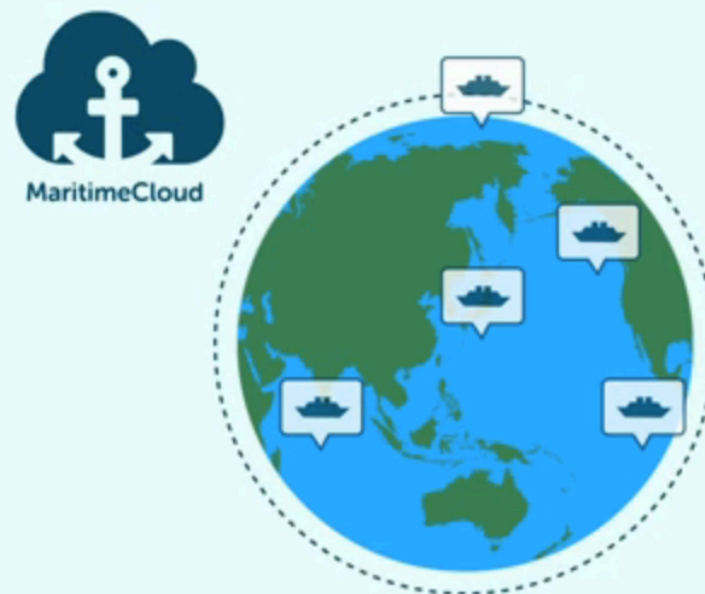
Reaching Impact

- STANDARDISATION
- COORDINATION WITH PROJECTS & POLICIES
- INTERACTION & SUPPORT FROM STAKEHOLDERS
- GOVERNANCE & BUSINESS MODEL
- ENSURING THAT IT WORK FOR THE USERS



In three years...

- ARCTIC WEB & BALTIC MARITIME WEB
- STANDARDISED SERVICES
- PROTOTYPES OF EQUIPMINT
- MARITIME CLOUD
- MATURED COMMUNICATION TECHNOLOGIES



Thank you!



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