EFFICIENSEA 2.0 GETTING CONNECTED

Project Presentation

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Efficiensea2.org

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Project in numbers og objective

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

- The overall objective is to co-create and deploy innovative solutions for safer and more efficient waterborne operations.

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Project partners

Governmental

Danish Maritime Authority (Coordinator)	Denmark
Danish Geodata Agency	Denmark
Danish Meteorological Institute	Denmark
Estonian Maritime Authority	Estonia
Finnish Transport Agency	Finland
Maritime Office of Gdynia	Poland
National Institute of Telecommunications	Poland
Swedish Maritime Administration	Sweden

Commercial enterprises

Collecte Localisation Satellites	France
Danelec Marine	Denmark
Frequentis AG	Austria
Furuno Finland Oy	Finland
GateHouse	Denmark
LITEHAUZ ApS	Denmark
Lyngsø Marine A/S	Denmark
MARSEC-XL	Malta
Rocketbrothers.dk ApS	Denmark
Thrane & Thrane A/S	Denmark
Transas Marine International AB	Sweden
Vissim AS	Norway
United Kingdom Hydrographic Office	United Kingdom

Academia

Chalmers University of Technology	Sweden
Department of Computer Science, University of Copenhagen	Denmark
National Space Institute at the Technical University of Denmark	Denmark
Latvian Maritime Academy	Latvia
Offis e.V.	Germany

International Associations

The Baltic and International Maritime Council

Comité International Radio-Maritime

The International Association of Marine Aids to Navigation and Lighthouse Authorities

Other non-profit organisations

Maritime Development Centre of Europe	Denmark
SSPA Sweden AB	Sweden
FORCE Technology	Denmark

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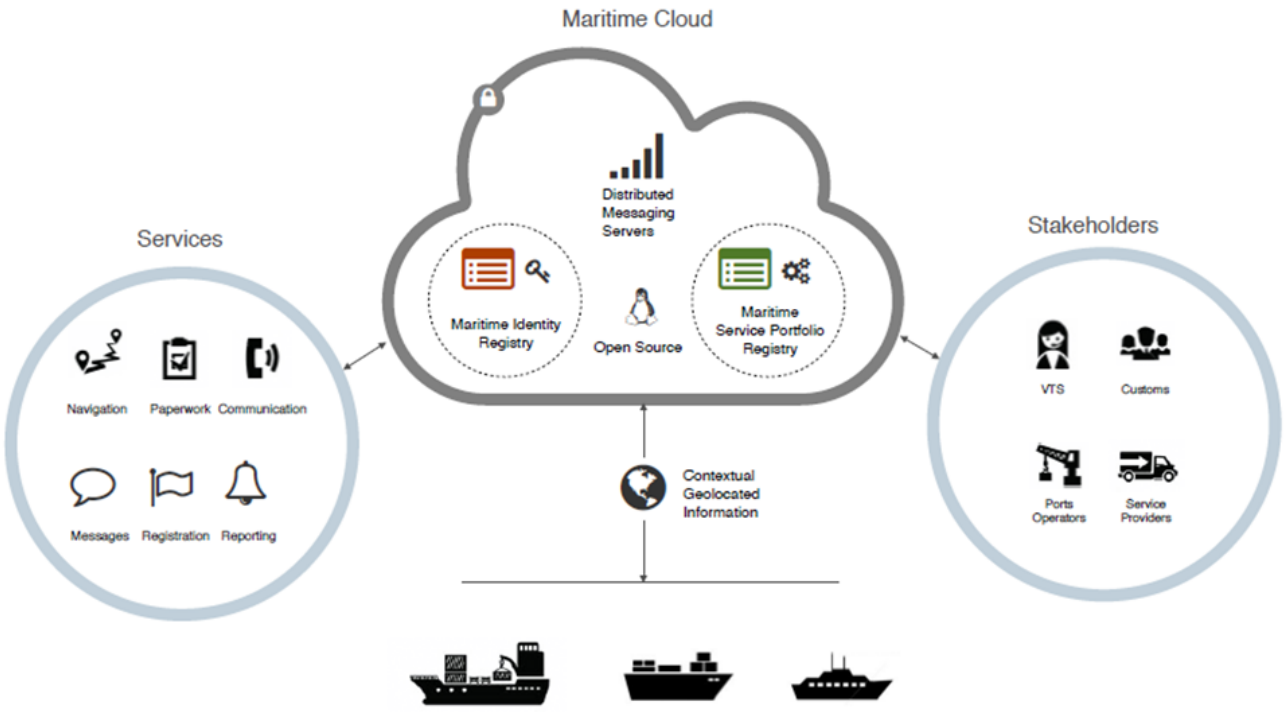
Objective 1: The Maritime Cloud

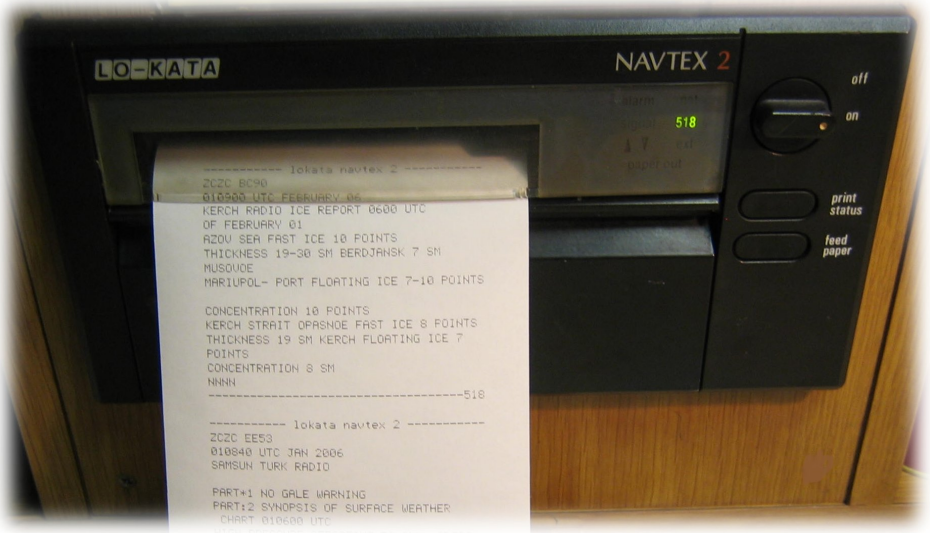
- Create and implement a ground-breaking communication framework

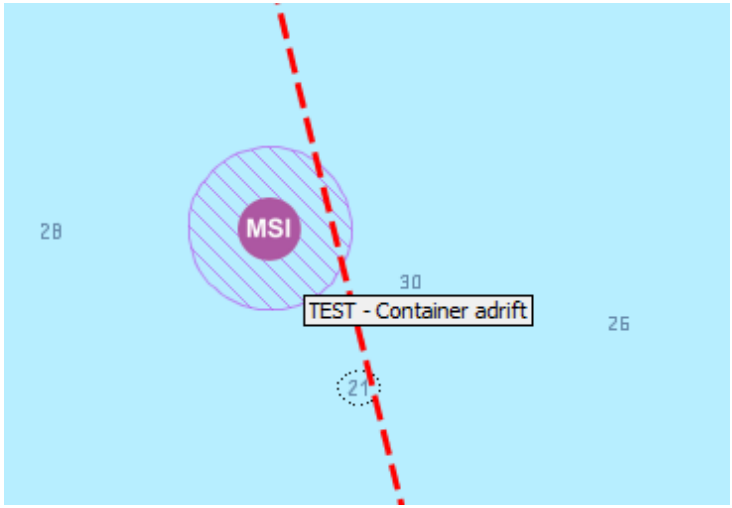
- Link to movie about the Maritime Cloud
- https://dma-enav.atlassian.net/wiki/display/MCCT/Maritime+Cloud



Objective 2: e-navigation services

- Solutions that will reduce the risk of accidents
- 7 different e-navigation services





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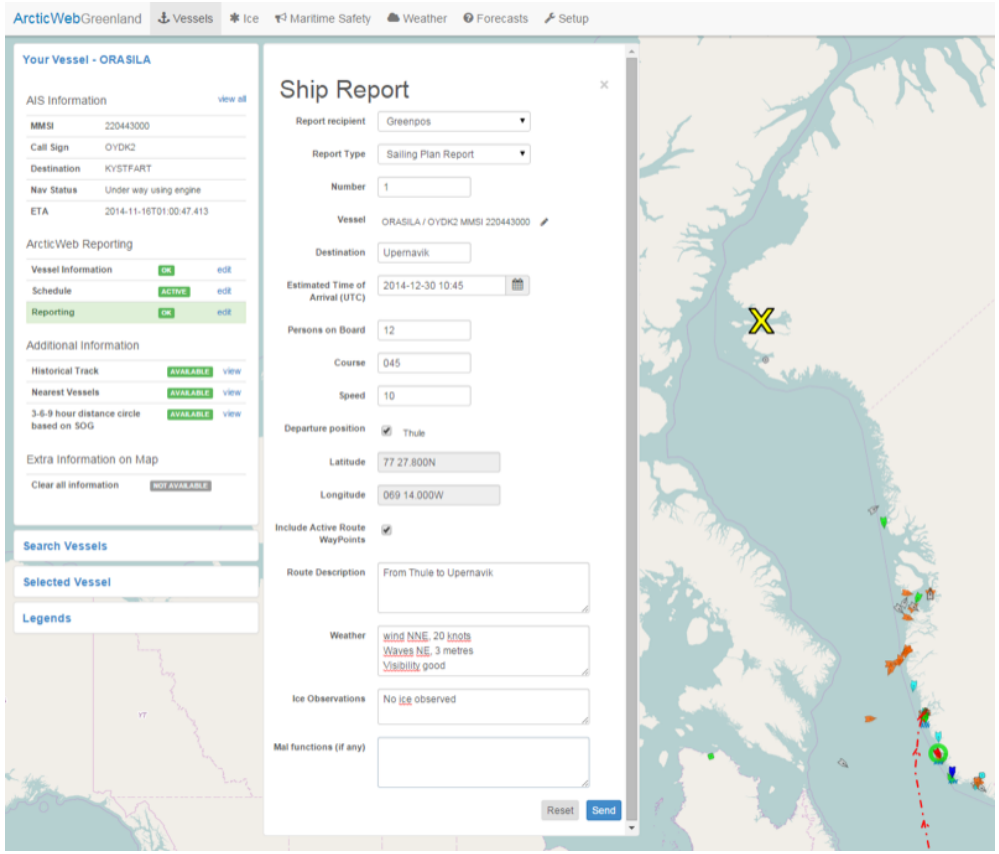
Objective 3: e-maritime services

- Develop, test and, where possible, implement e-maritime solutions.
- 3 services to decrease administrative burdens



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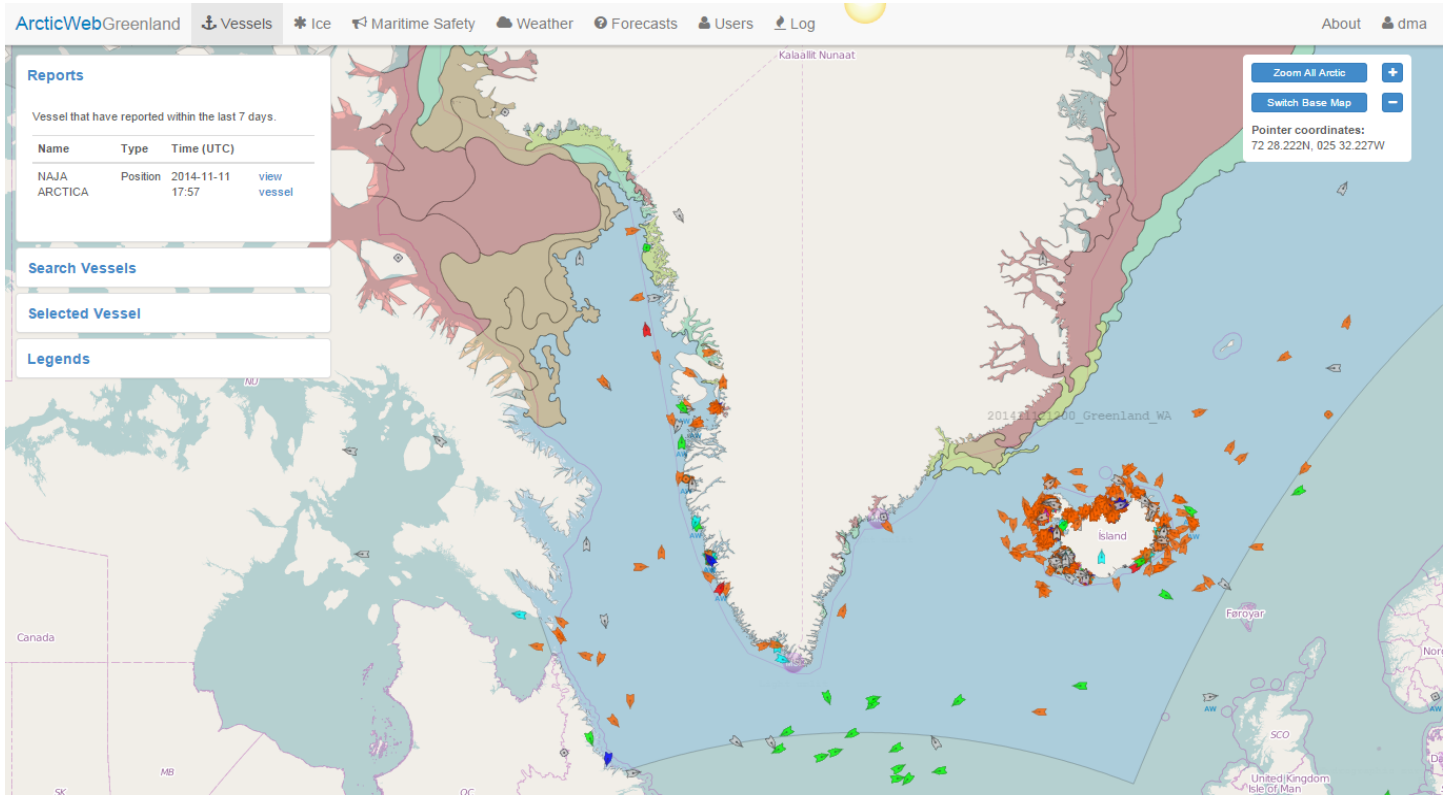
Objective 4: Emergency response solution for Arctic



Objective 5: SOx emissions monitoring service

- Develop solutions to monitor emissions with a focus on SOx and conduct validation trials in the Baltic Sea Region.

- A service for monitoring information about vessels' SOx emissions will be developed

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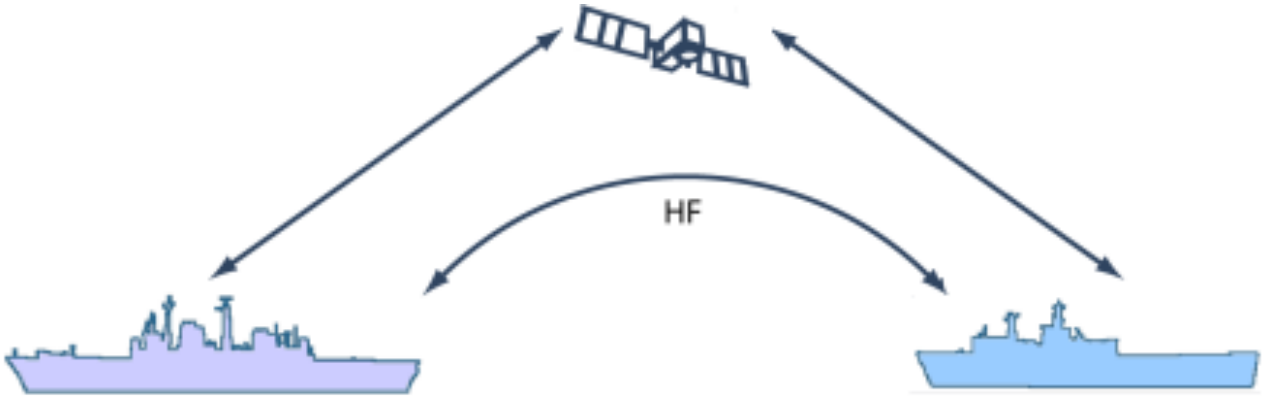
Objective 6: Novel communication channels

- Create innovative and cost-effective solutions with novel communication technology to deal with ships' challenge of getting access to information services at a reasonable price, especially in remote places such as the Arctic.

- Work will focus on maturing VDES (VHF Data Exchange System)



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Objective 7: Standardisation and harmonisation

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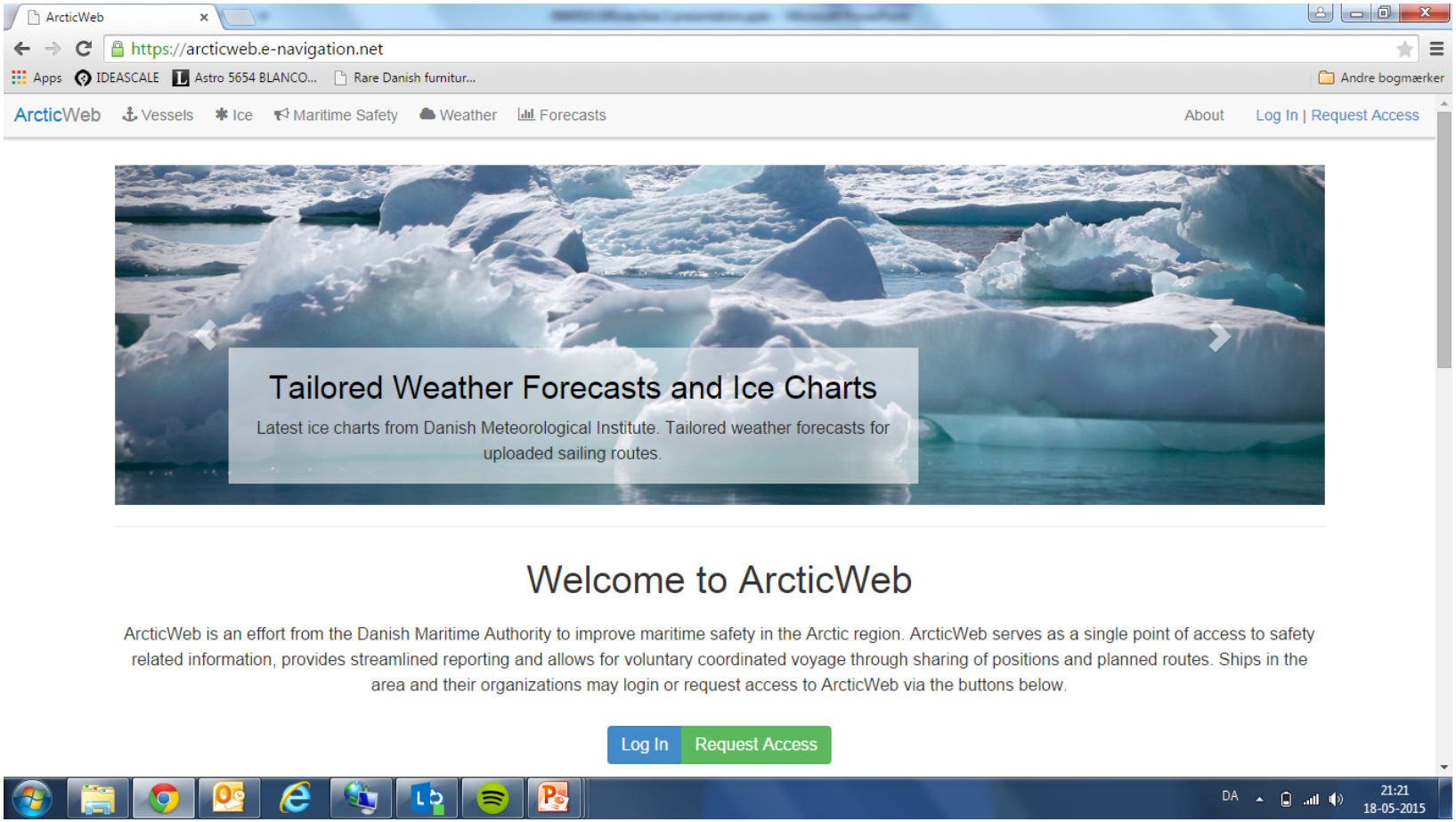
First the Arctic and Baltic – then the rest of the globe



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