

Hydrographic Surveying and S-100 standards for competitive shipping

[Video file \(large 200+ Mb\)](#)

or...

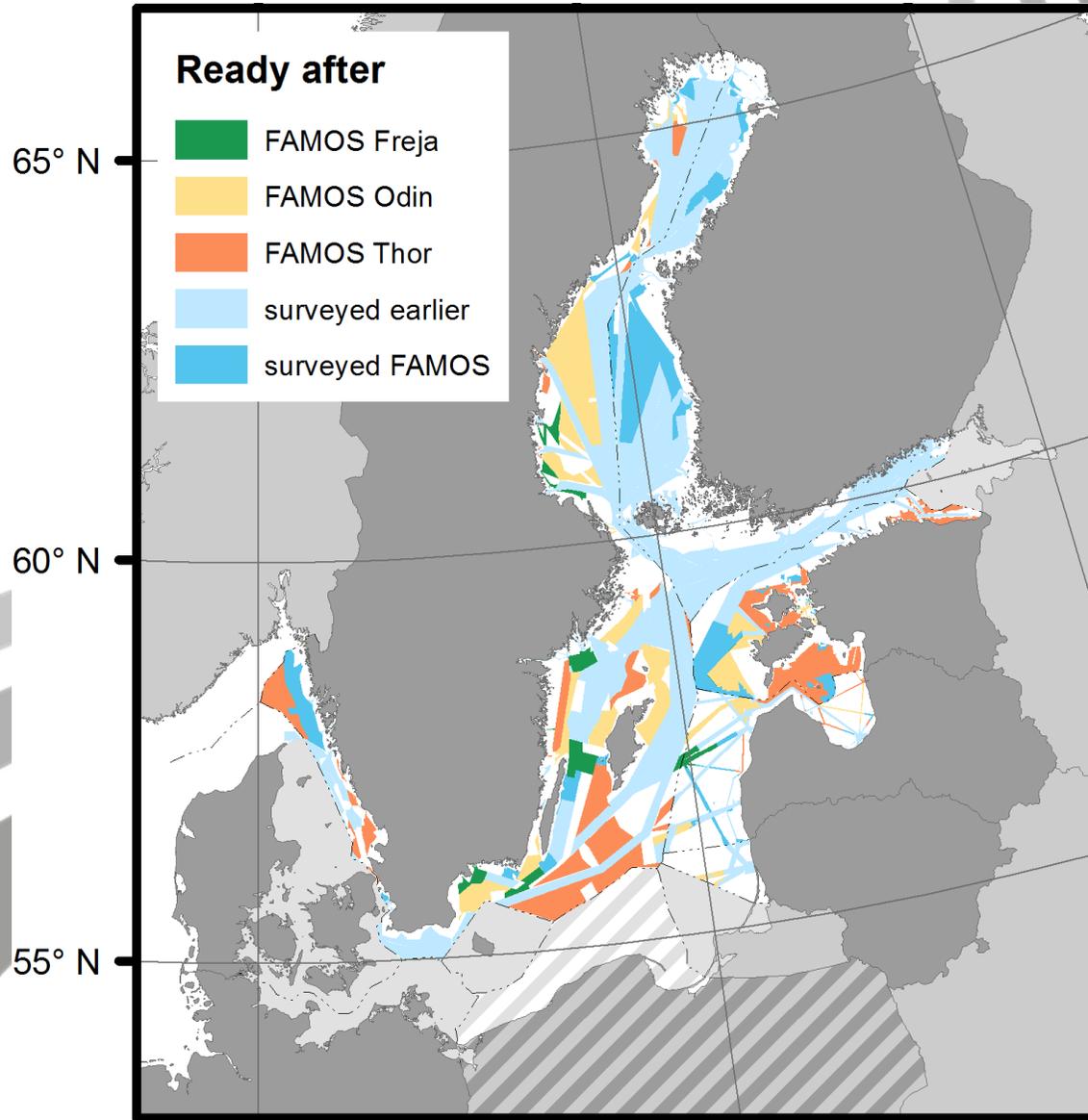
https://www.youtube.com/watch?v=03QLivaG_jE

Major activities in FAMOS (Finalising Surveys for the Baltic Motorways of the Sea)

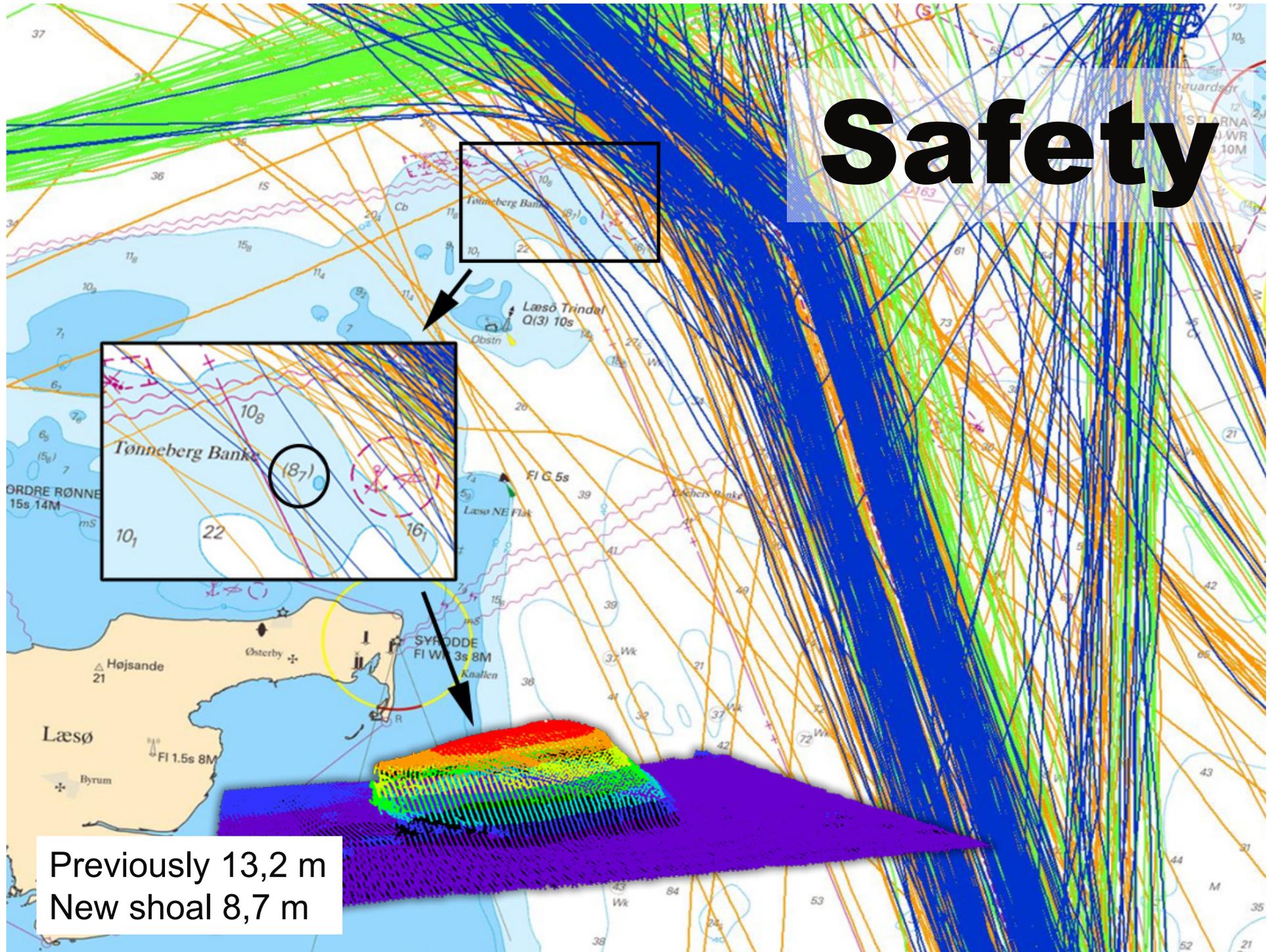
- Hydrographic Surveys
- Improving vessel navigation for the future
- Improving surveying infrastructure
- Data workflow from sounding to bridge

- 15 partners from 7 nations participating

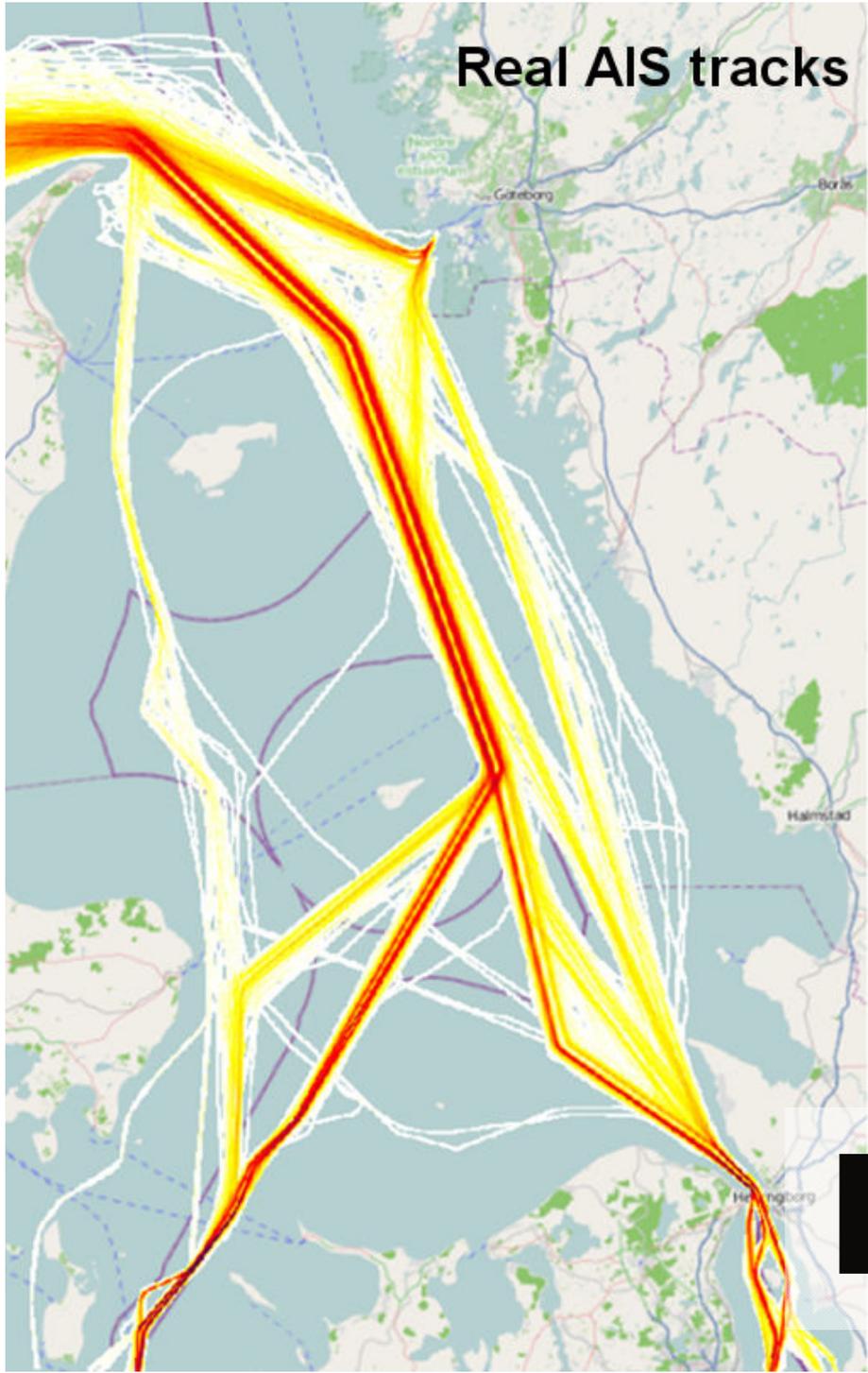
Hydrographic Surveys in FAMOS project



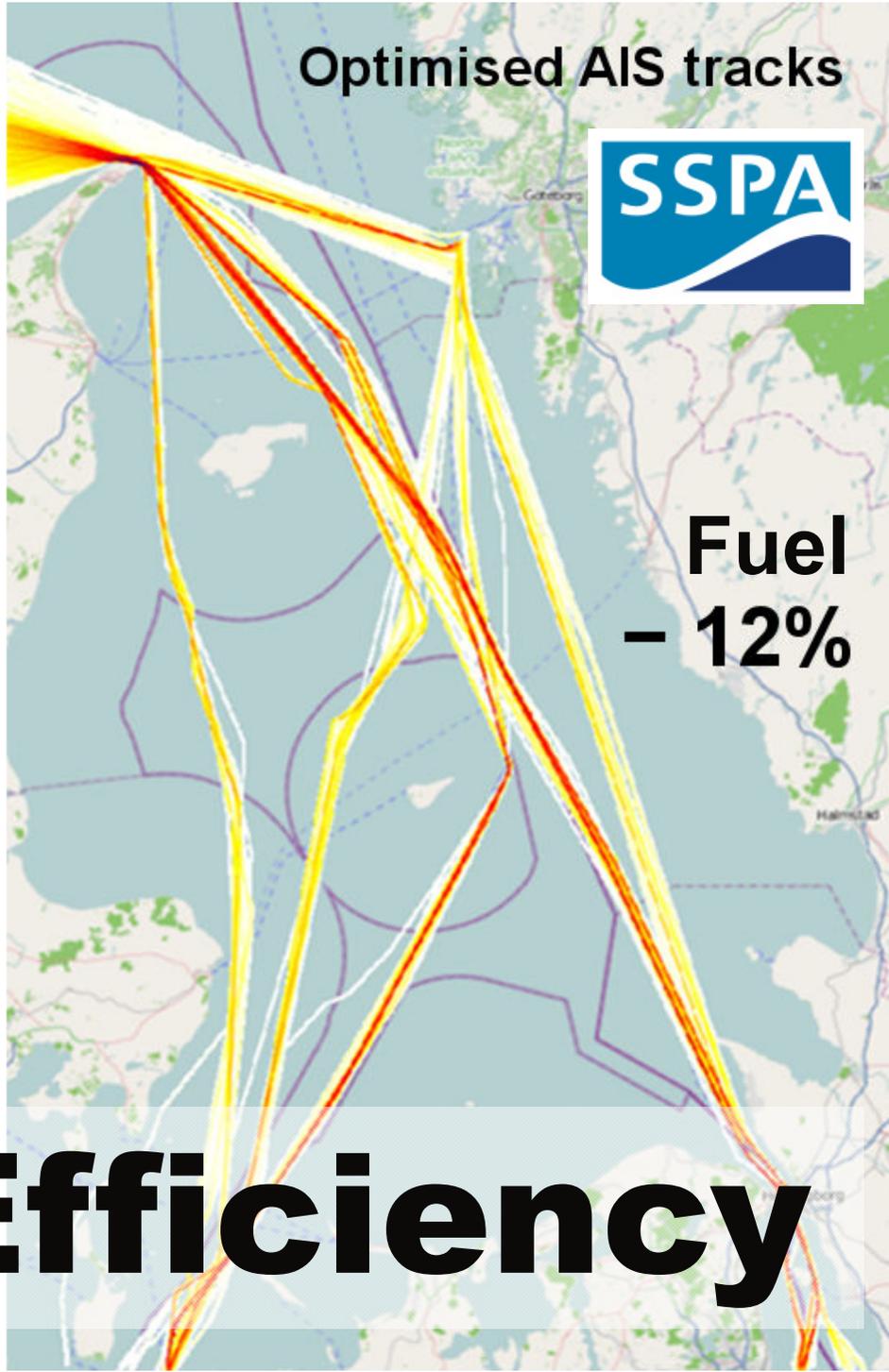
Safety



Real AIS tracks

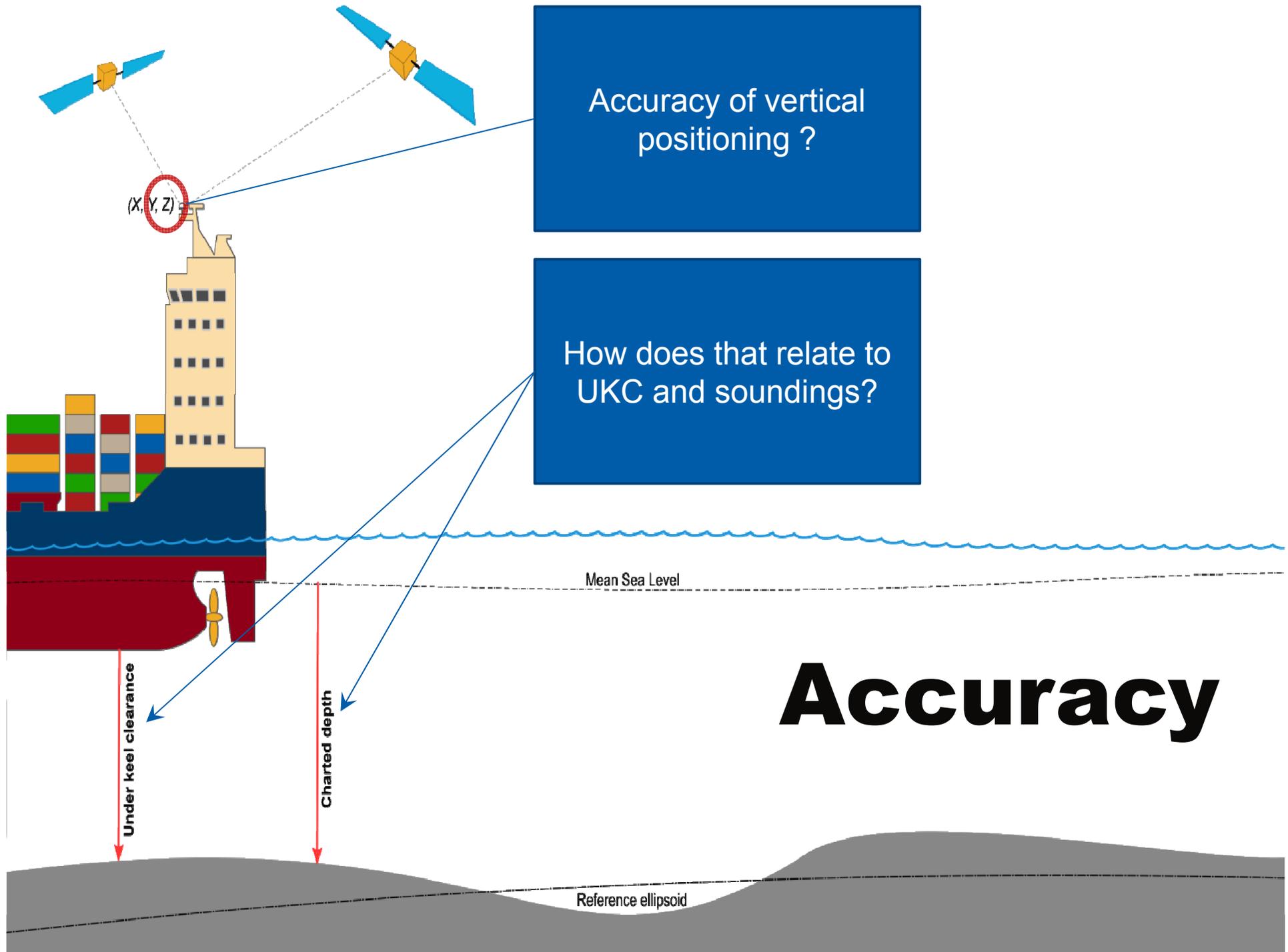


Optimised AIS tracks



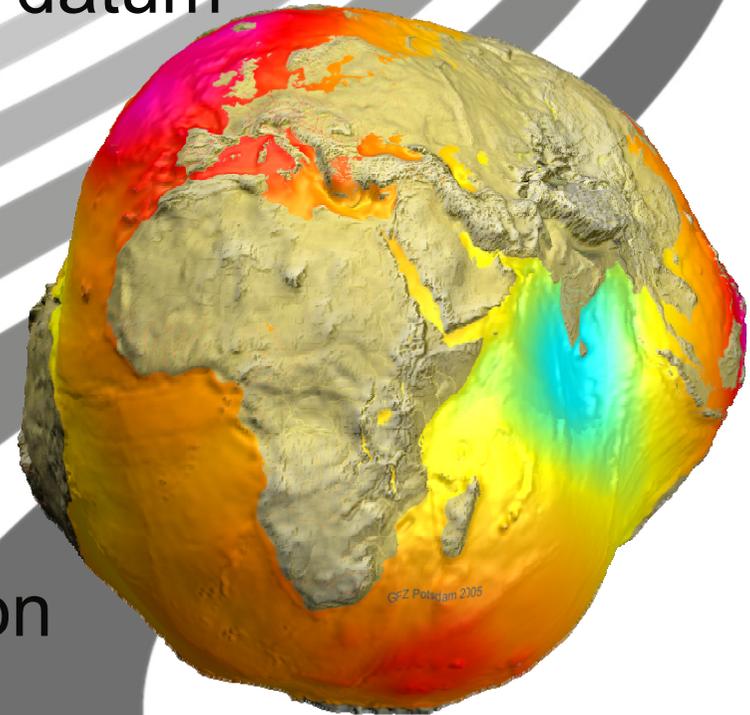
**Fuel
- 12%**

Efficiency



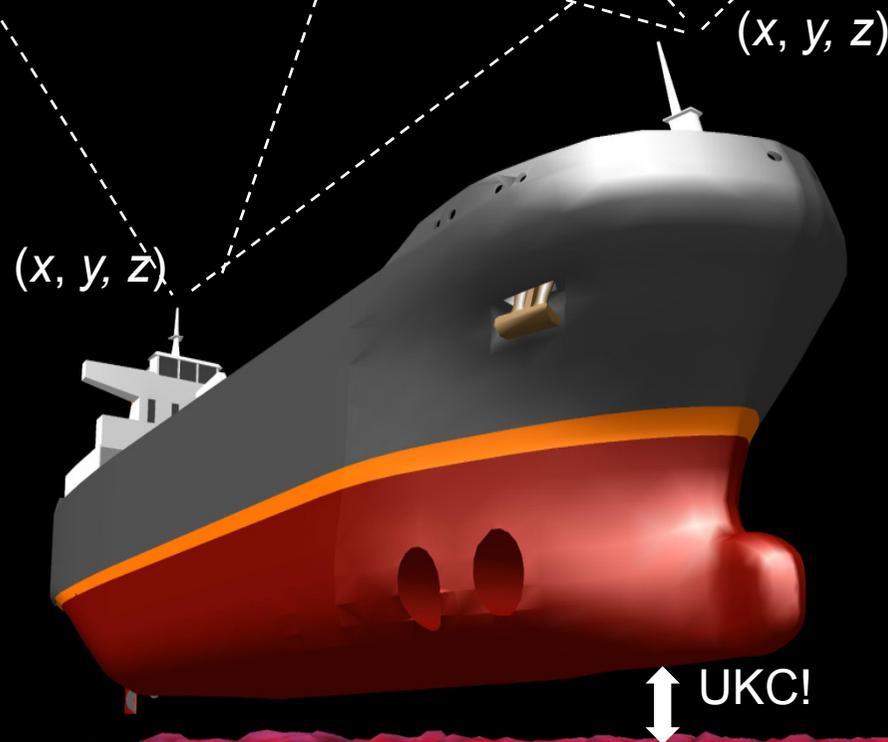
FAMOS act 2: Improving vessel navigation for the future

- A future-proof geodetic chart datum
- Gravimetry Measurements
- Geoid computations
- Mean Sea Surface modeling and water level control
- Shipborne GNSS for precision navigation at sea



Accuracy

3D navigation



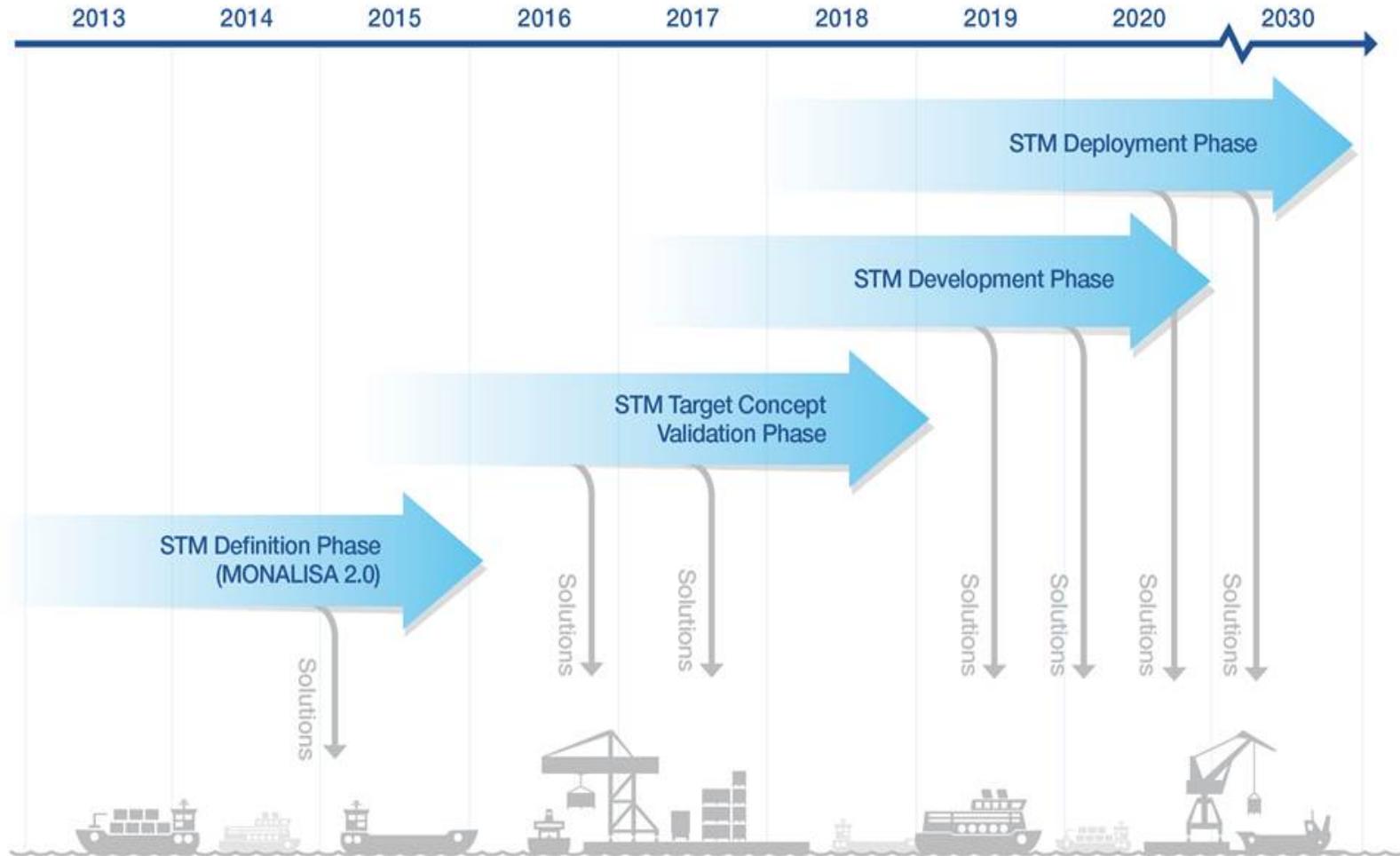
“Under Keel Clearance aware navigation”

Major activities in STM (Sea Traffic Management)

- Port Collaborative Decision Making
 - Voyage Management Test Beds
 - Maritime Simulator Network Test Bed
 - Maritime Service Infrastructure
-
- 39 partners from 13 nations participating



The EU support for STM



Co-financed by the European Union
Connecting Europe Facility

Project Setup



Deployment / Development
2018-2030

STM Services

Improved Performance Targets
(Environment, Safety, Efficiency)

• Business
• Operational

Activity 5
Analysis and Evaluation

• Legal
• Formal Safety Assessment

Activity 1
Port CDM Test beds

Activity 2
Voyage Management Test beds

Activity 3
Maritime Simulator Network Test bed

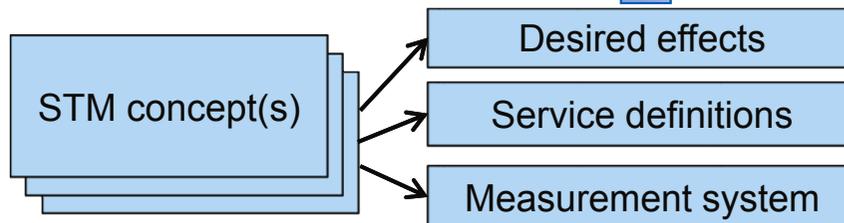


STM Validation Project
2015-2018

SeaSWIM

Activity 4
Maritime Service Infrastructure

Maritime Cloud



2013-2015



Co-financed by the European Union
Connecting Europe Facility



Information

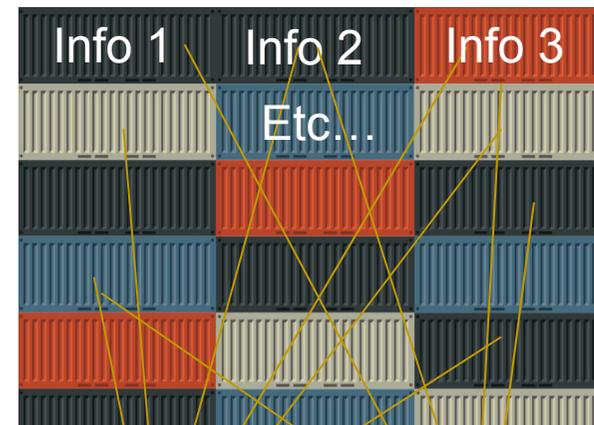
From



Port A

Port B

To



Port A

Port B



HSSC is invited to....

- Note the paper and presentation
- Consider if a presentation on these topics could be a contribution to upcoming IHO Assembly representing some aspects of and promoting the work of HSSC.
- If relevant, give any advice on the content

Thankyou !!

- More information at www.famosproject.eu and www.stmvalidation.eu