

GUTTA
Project

LECCE
ITALIA

March
2019

Capitan
Ulf Svedberg
Swedish
Maritime
Administration





20 years at sea

Swedish Maritime

novation



15 years as Pilot/Chief Pilot





Why Shipping is energy efficient!



EUROPEAN UNION
European Regional Development Fund

Interreg
Italy - Croatia





100-200 kg



2-3 Tons



EUROPEAN UNION
European Regional Development Fund

Interreg
Italy - Croatia



10 tons



70 Tons!!





2010 - 2013

**BUDGET:
4 M Euro**

**7 Partners
3 Countries**



2013-2015

**BUDGET:
24 M Euro**

**39 Partners
10 Countries**



2015-2019

**BUDGET:
43 M Euro**

**50+ Partners
13 Countries**

STM Validation

SEAING IS BELIEVING

Sharing Information

Digitizing AND Digitalization

Improve Safety in Navigation

Reduce fuel/emission

Economy

Route exchange

Automatically
visible on ECDIS

AIS = message
carrier

RTZ = Format



Route optimization



Route optimization



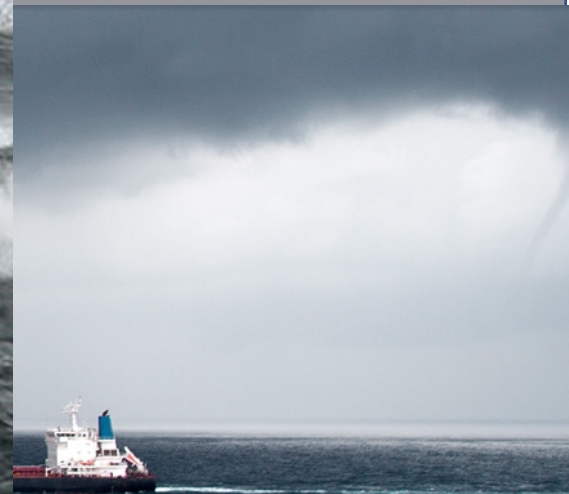
Route optimization



Route optimization



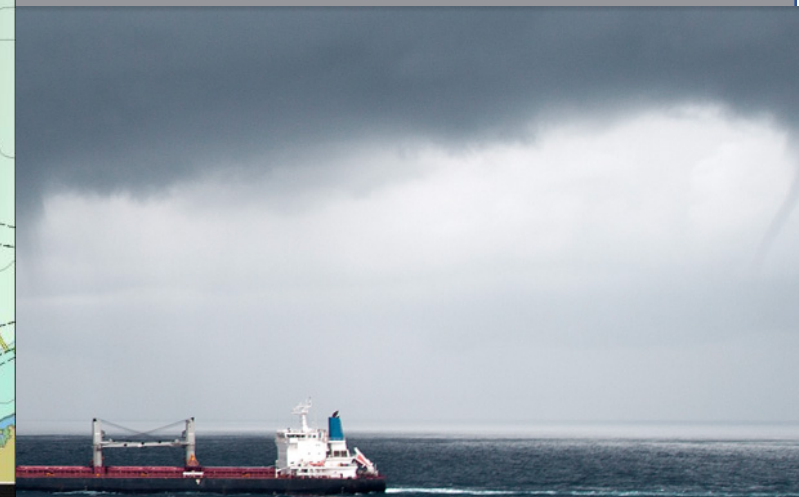
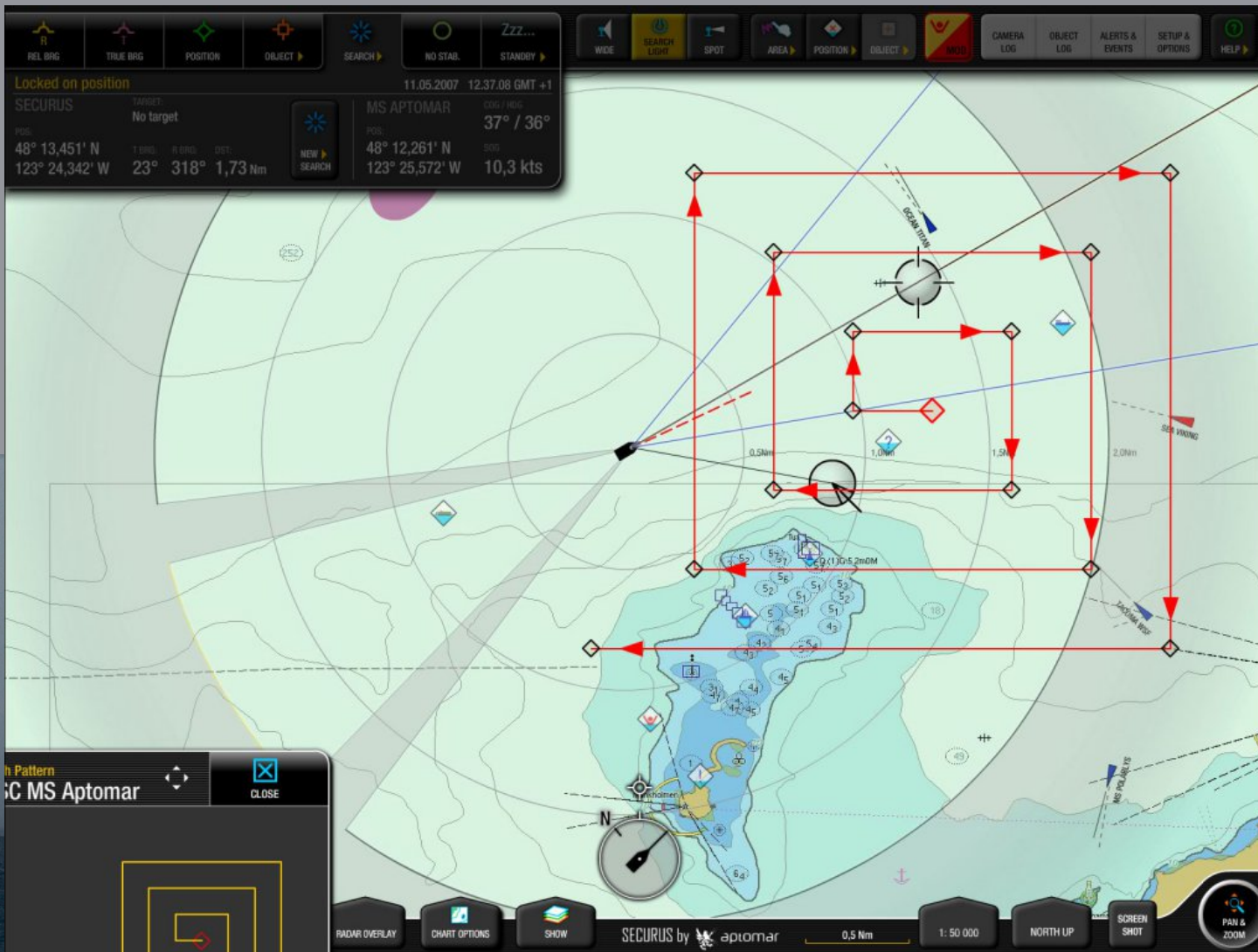
Shore based pilotage



Anomalies surveillance



Transmit SAR search patterns



Transmit ICE routes



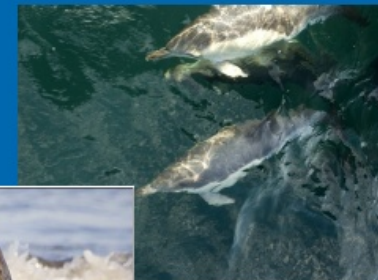
Broadcast of Geodefined areas



Particularly Sensitive Sea Areas (PSSAs)

- ❖ Can be anywhere at sea- TS, EEZ, and
- ❖ To be designated as a PSSA, an area must:
 1. Have certain characteristics (ecological, economic, scientific)
 2. Be vulnerable to damage by international shipping, traffic, and
 3. Have protective measures adopted to address the identified vulnerability

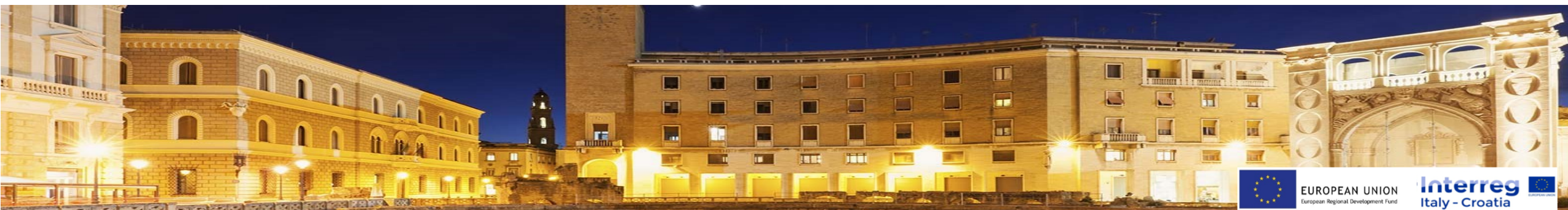
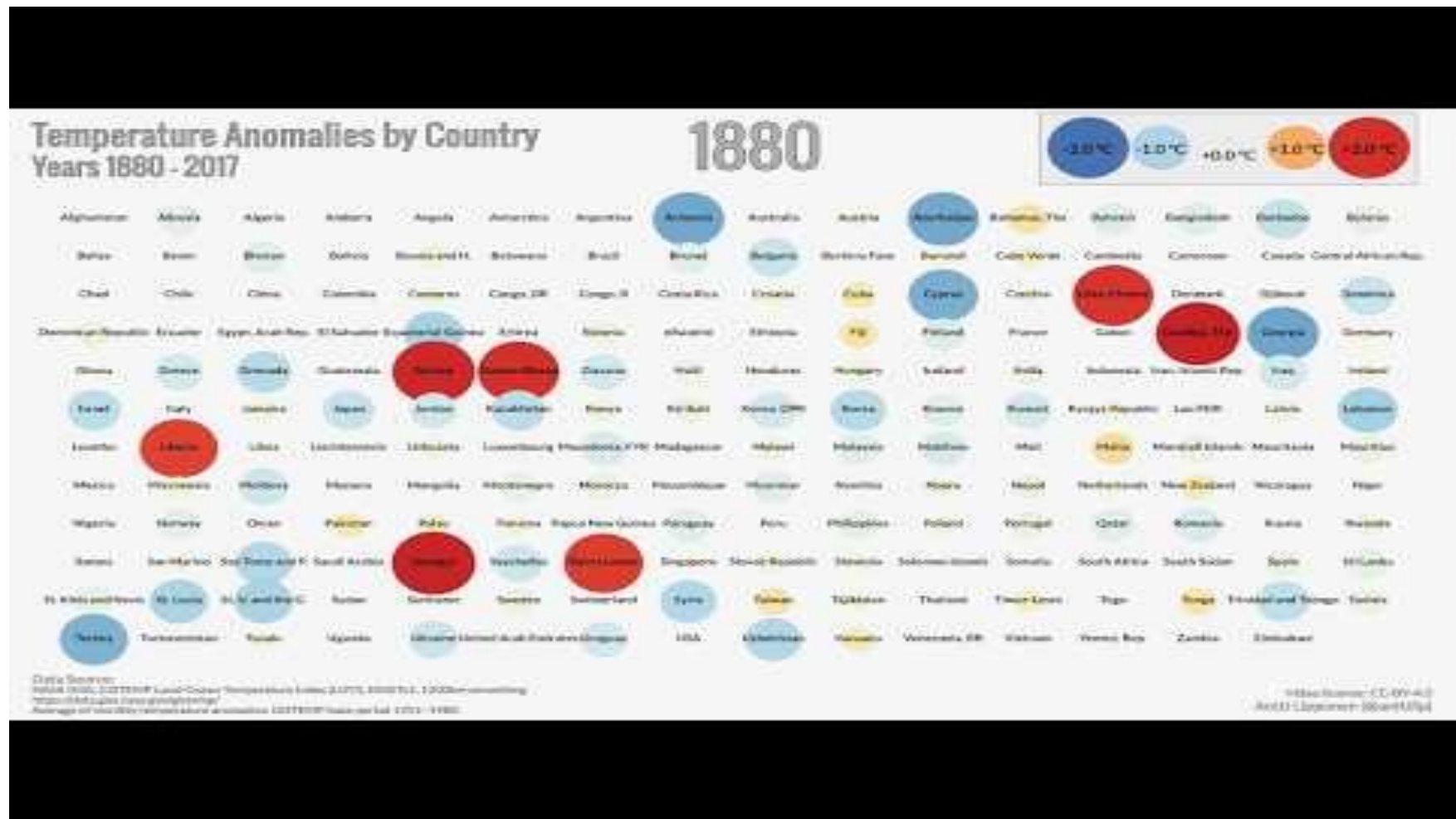
Marine Mammals



Broadcast of AtoN



Climate changes and the maritime responsibility



INTERACTION IN CONFINED WATERS

Stockholm entrance



Passage of 50 M or more

Narrow winding fairways

No-Meeting Zones

Speed restriction Zones

Timetable Traffic

Ice conditions

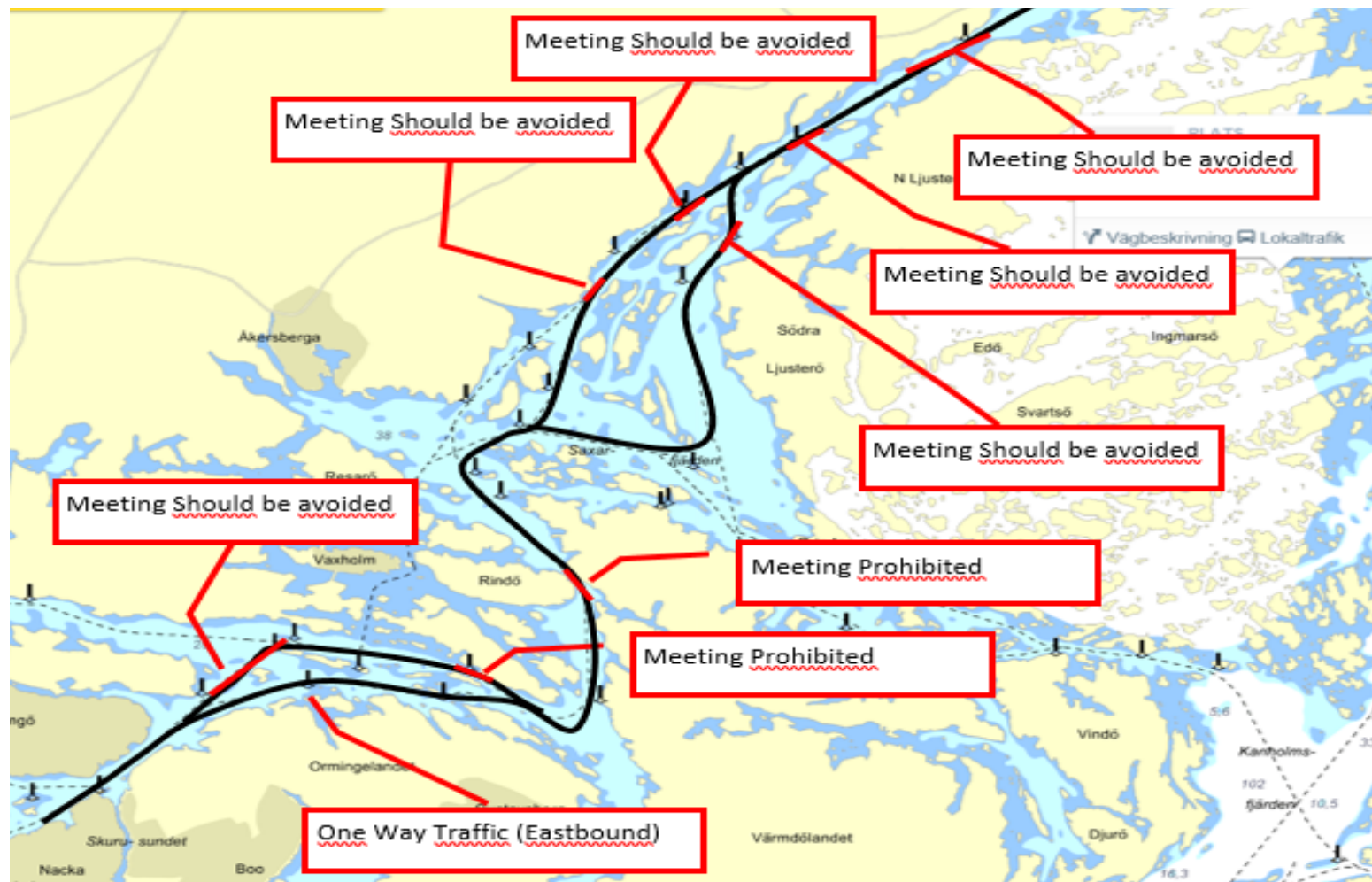
Leisure crafts

Local sea transportation

Sensitive shores

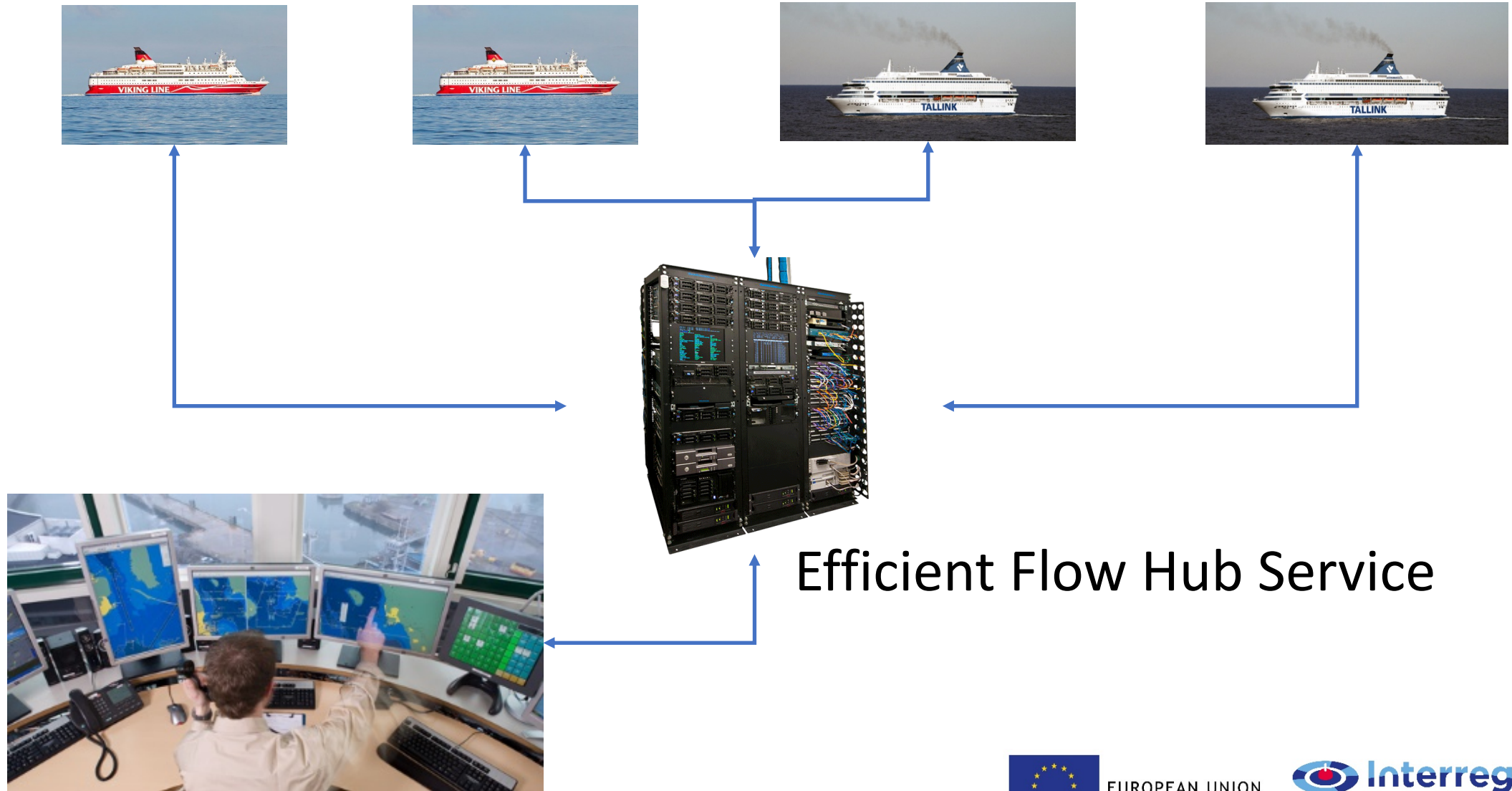


Smarter Tools for Interactions



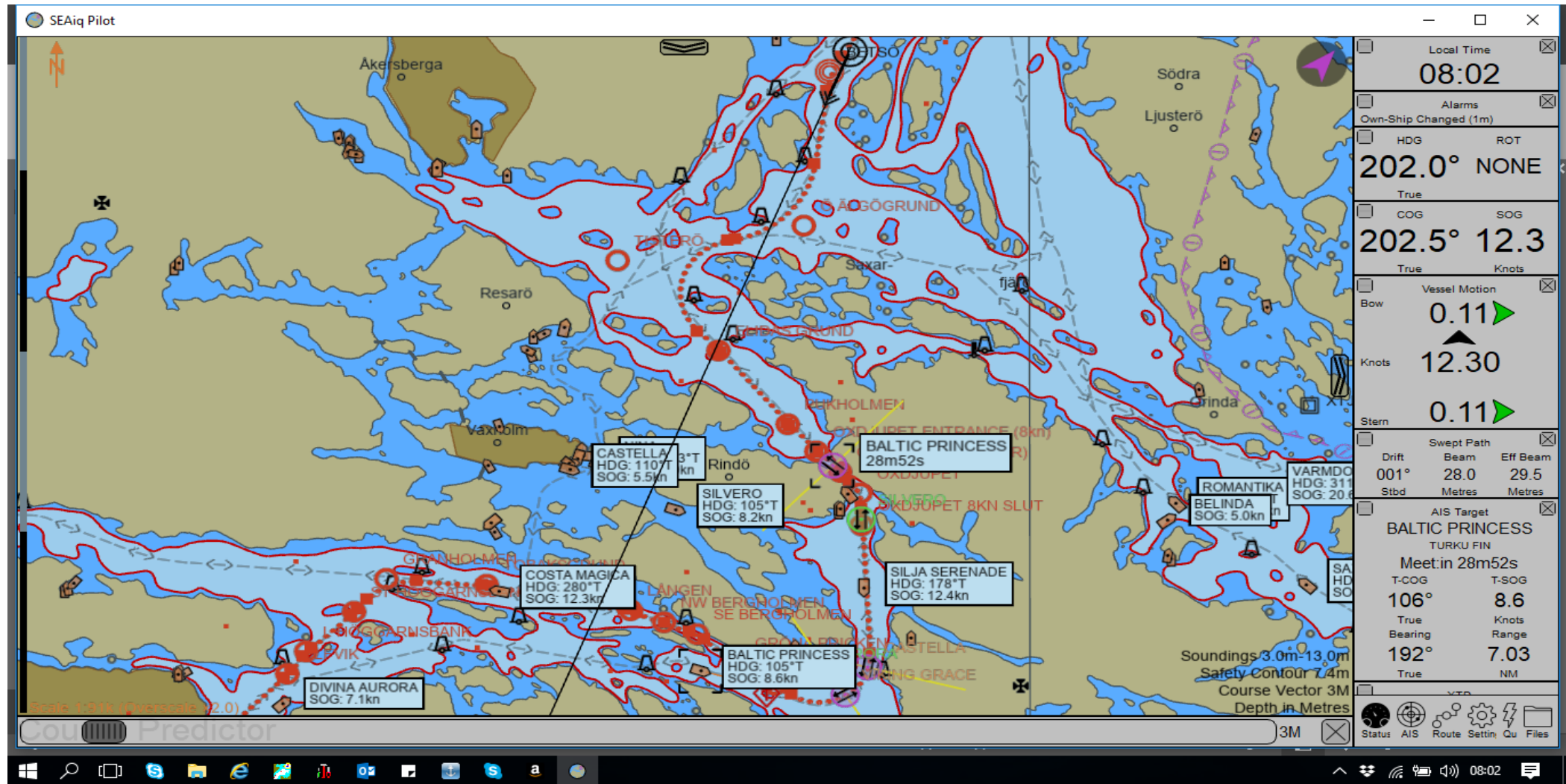


STM Concept & Route exchange





Smart calculations



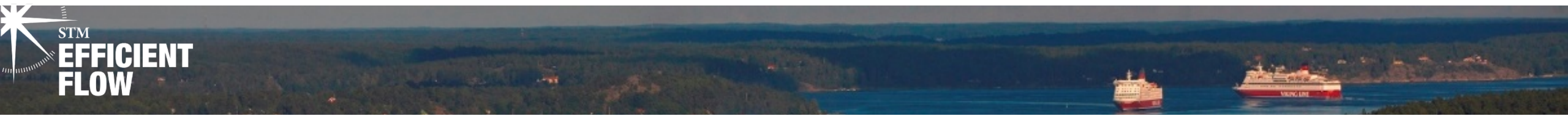
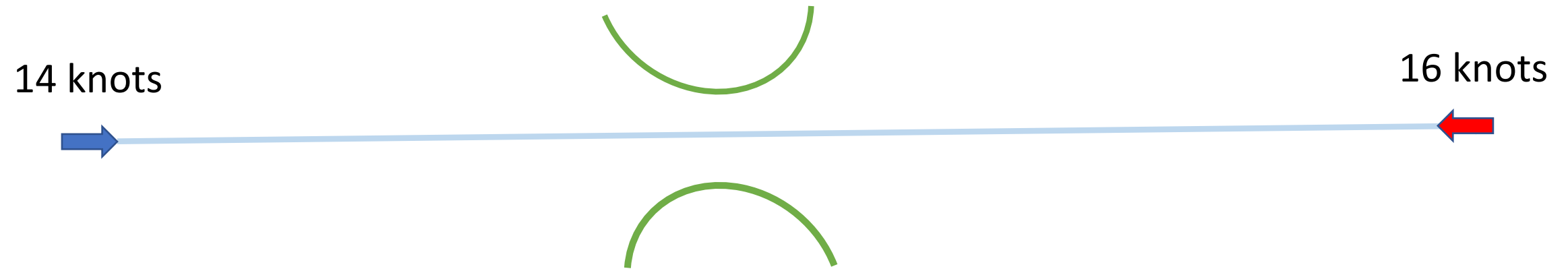
EUROPEAN UNION
European Regional Development Fund





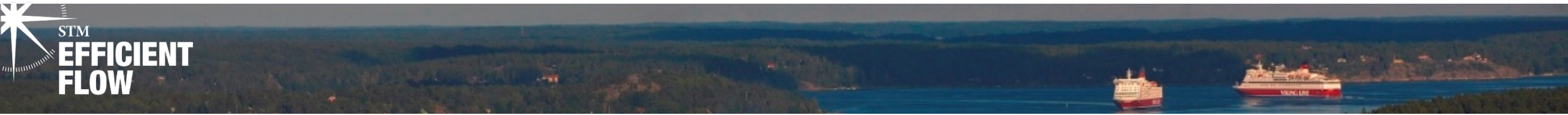
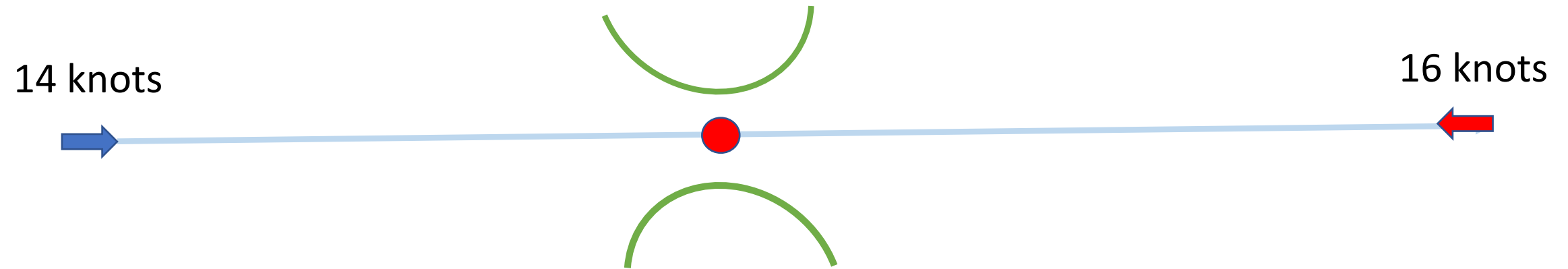
EUROPEAN UNION
European Regional Development Fund

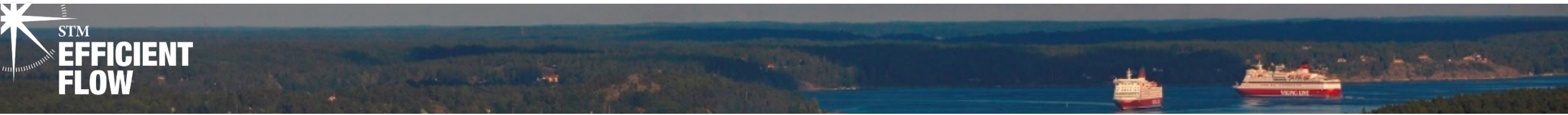
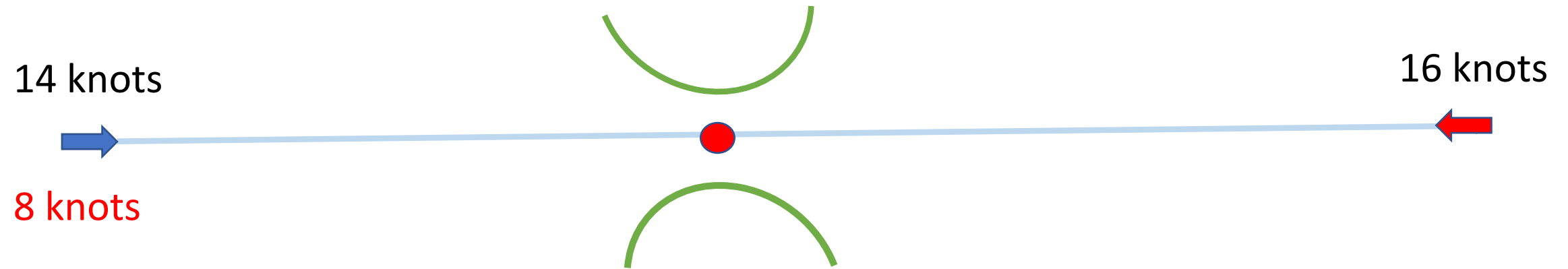
Interreg
Central Baltic





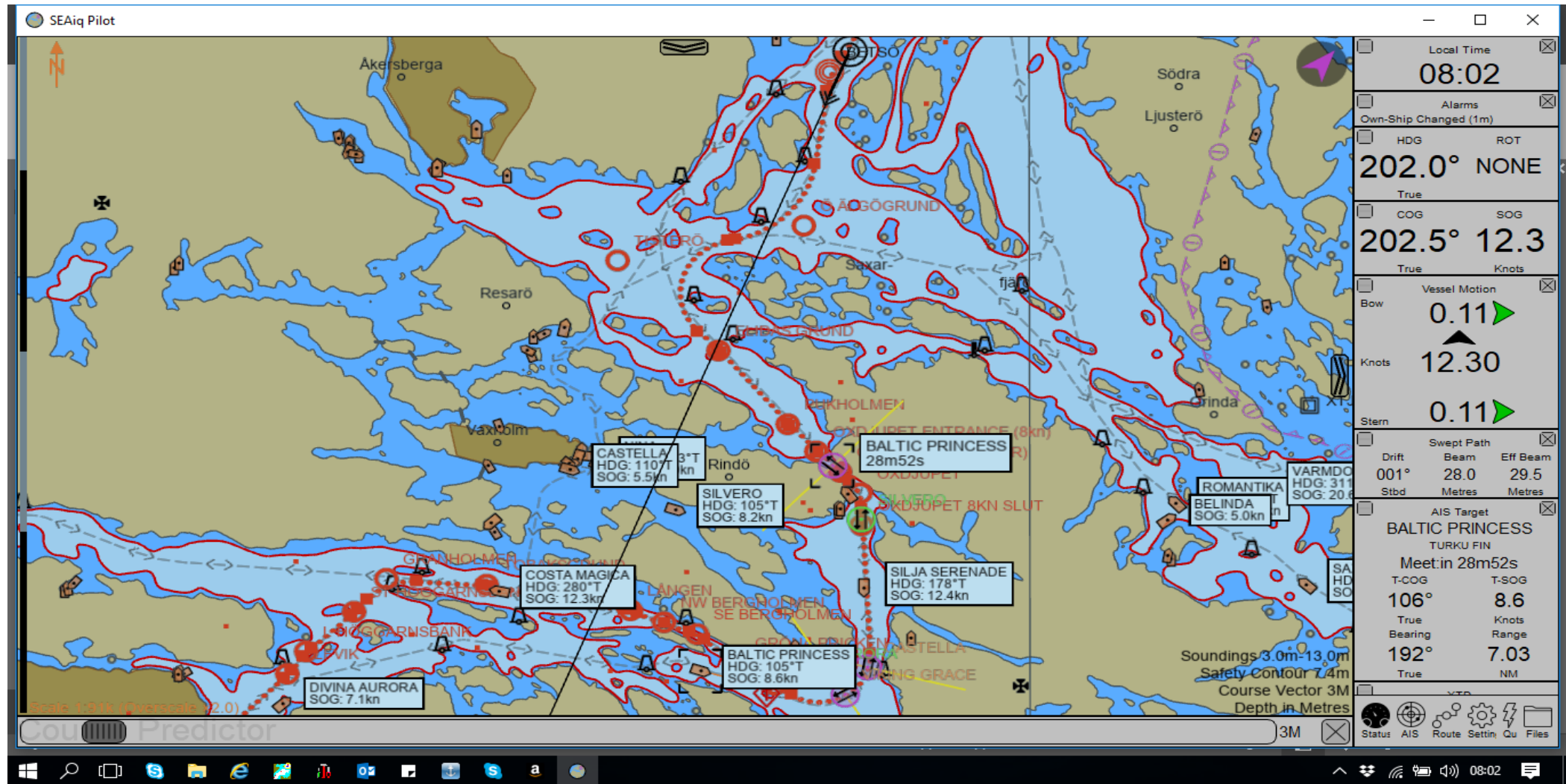
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Smart calculations



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Participants

VTS Vessel Traffic Service Center

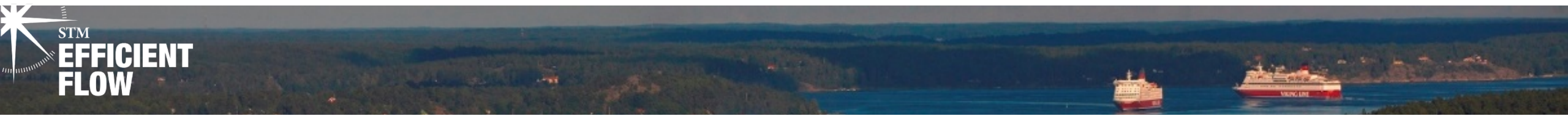
- Turku, Finland
- Stockholm, Sweden

Pilots

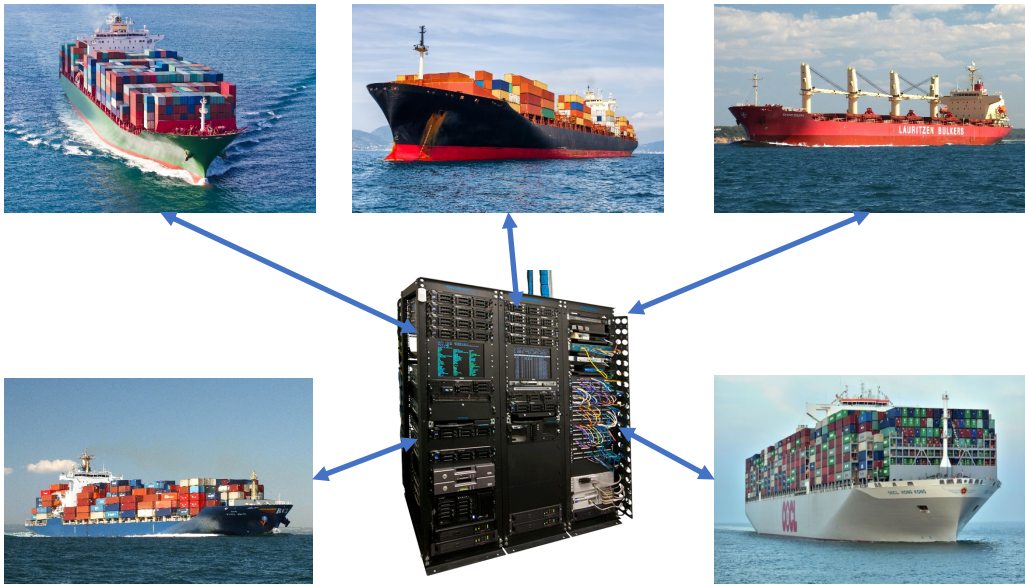
- Stockholm
- Turku

18 Ferries

- Viking Line
- Birka Line
- Tallink-Silja
- FinnLines







Efficient Flow Hub Service STM Concept & Route exchange



Sea Traffic Coordination Center





Ctrl + C

Ctrl + V

The roadmap to success!!

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Swedish
Maritime
Administration

Grazie mille de parte mia!
Puno hvala od mene!
Thanks a lot!

