



STM VALIDATION





Update since May 2016

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Swedish Maritime Administration



Co-financed by the European Union
Connecting Europe Facility

Scope of the Project



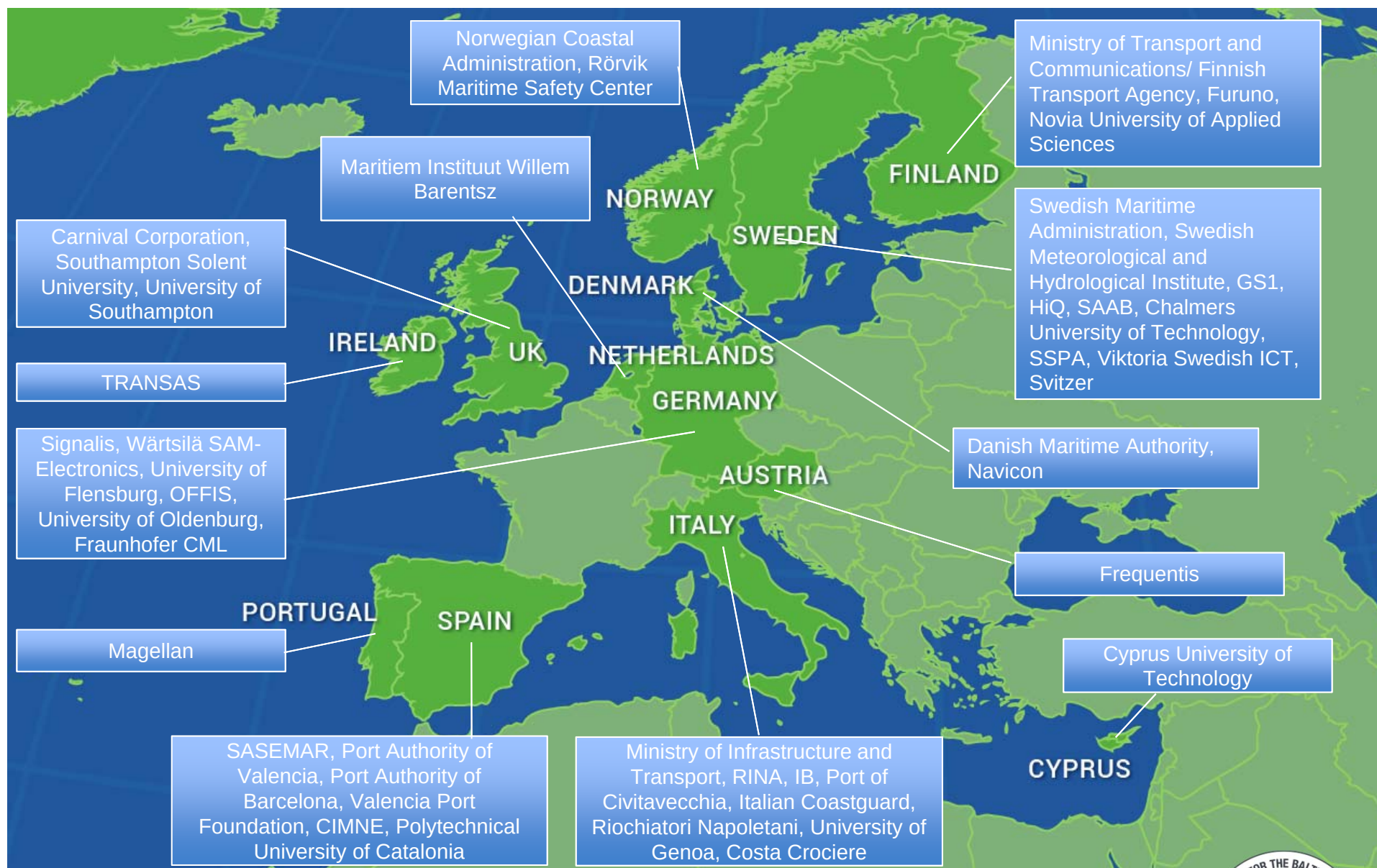


Facts and Figures

Lead partner: SMA
Partnership: 38 beneficiaries
from 13 countries
Total budget: appr.43 million euro
EC contribution: 50%
Time frame: 2015-2018



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Associated Partners

Port of Gothenburg
Kvarken Ports
IBM
Ericsson
Cygate
Raytheon
Kongsberg Maritime
UK Hydrographic Office
BIMCO
SSAB
Rheinmetall
STENA
Intra
VeMarS
Jeppesen
Carmenta



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Status



**Deployment /
Development**
2018-2030

STM Services

Improved Performance
Targets
(Environment, Safety, Efficiency)

Analysis and Evaluation

Influenced the test beds in what to measure, defining KPIs, Bimco

Port CDM
KPI, test months
2500 /day

Voyage Management
225+75, SC specs,
film, Dev forum

Simulator Network
Kongsberg,
Human factor
WS, SAR



**STM
Validation
Project**
2015-2018

SeaSWIM
connector

Maritime Service Infrastructure

Maritime Cloud –
1st version integr.

**20+ Ass
Partners**



2013-2015

STM concept(s)

Desired effects

Service definitions

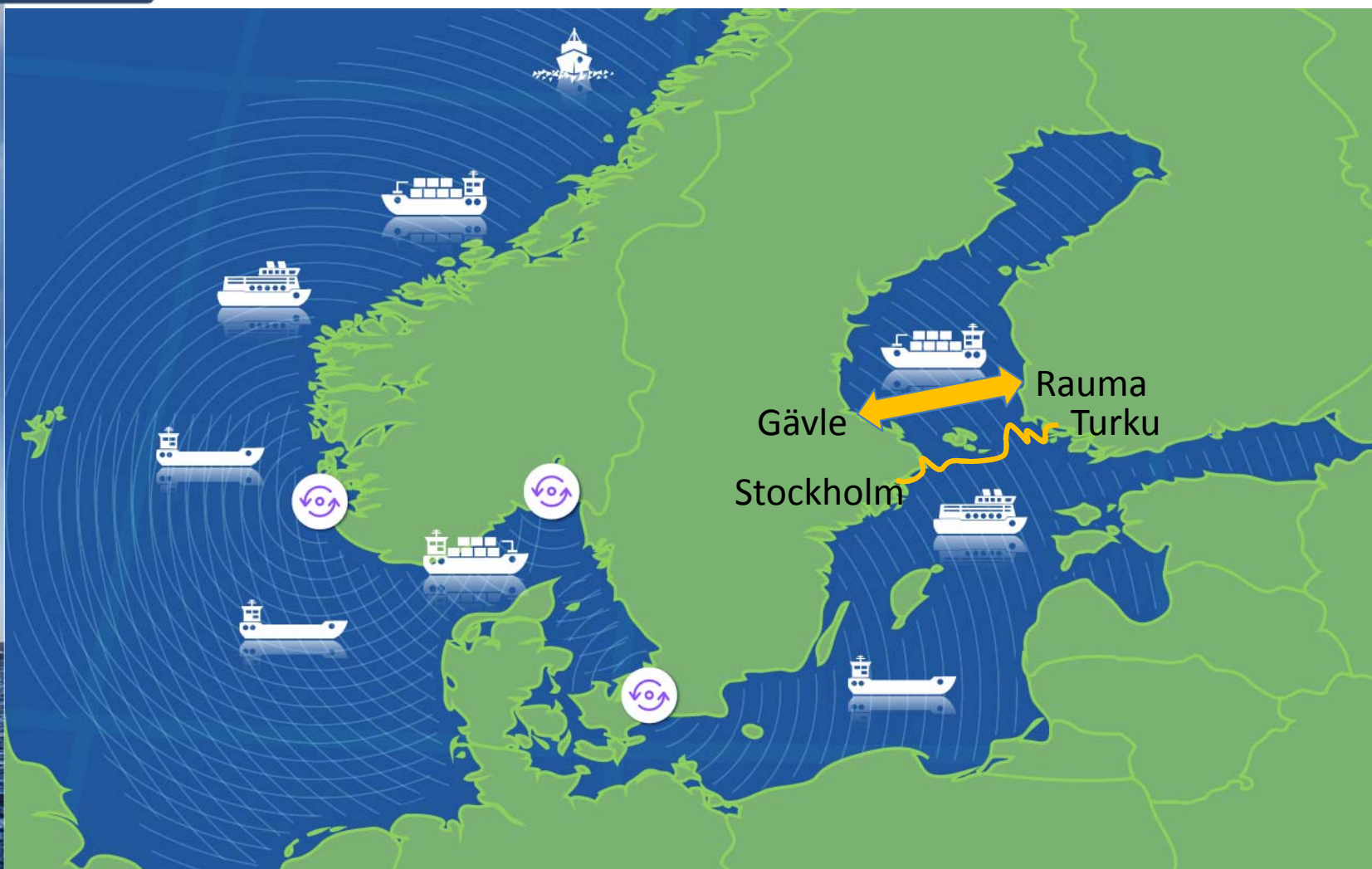
Measurement system



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What's next?



RTF – PA Transport





Baltic relations

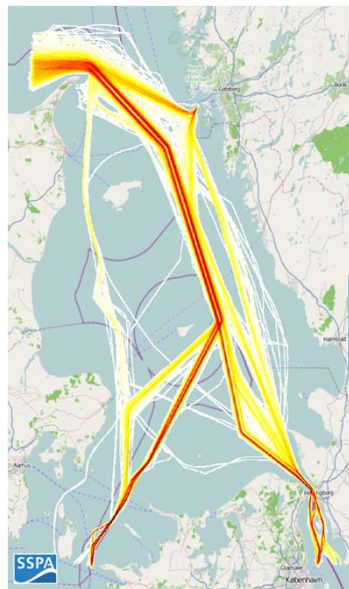
- Gävle - Rauma
- Flow Åland
- Real Time Ferries
- Input to SafeNav
- STM & EfficienSea "roadshow"



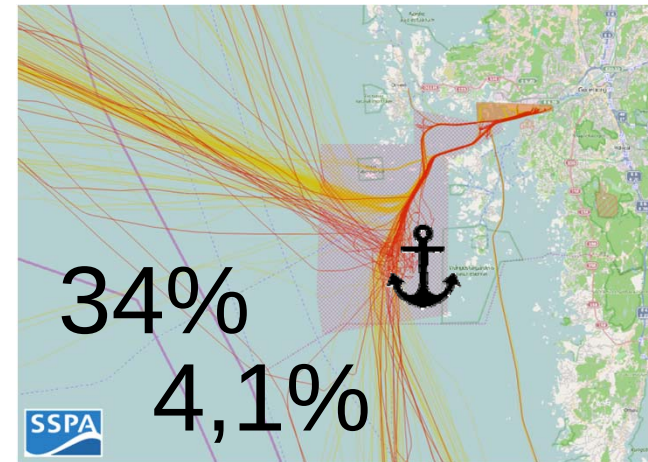
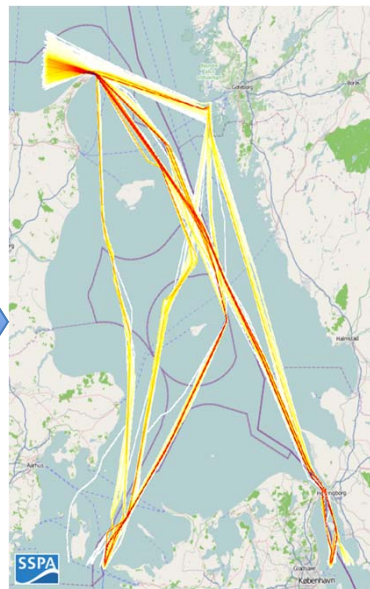
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Benefits to validate

Risk reduction rate	Flow Management by flow optimisation	Flow Management by enhanced monitoring	Dynamic Voyage Management by route exchange	Weighted combined rate
Collisions	58%	5%	52%	81%
Groundings	6%	64%	8%	69%



12 %





www.stmvalidation.eu



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Freja



Odin



Thor



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