STM

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For the Baltic Sea – and below!

NEW POTENTIAL FLAGSHIP

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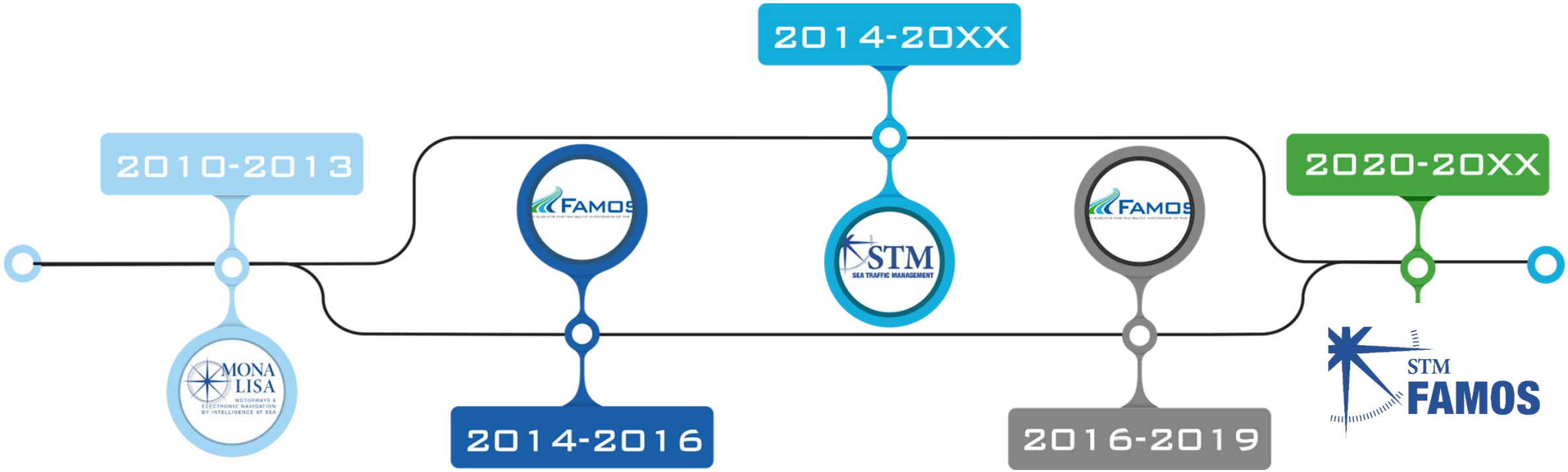
2014-20XX
2010-2013
2020-20XX
FAMOS
STM
SEA TRAFFIC MANAGEMENT
FAMOS
MONA LISA
MOTORWAYS & ELECTRONIC NAVIGATION BY INTELLIGENCE AT SEA
2014-2016
2016-2019
STM FAMOS

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GET KNOWLEDGE- SHARE KNOWLEDGE

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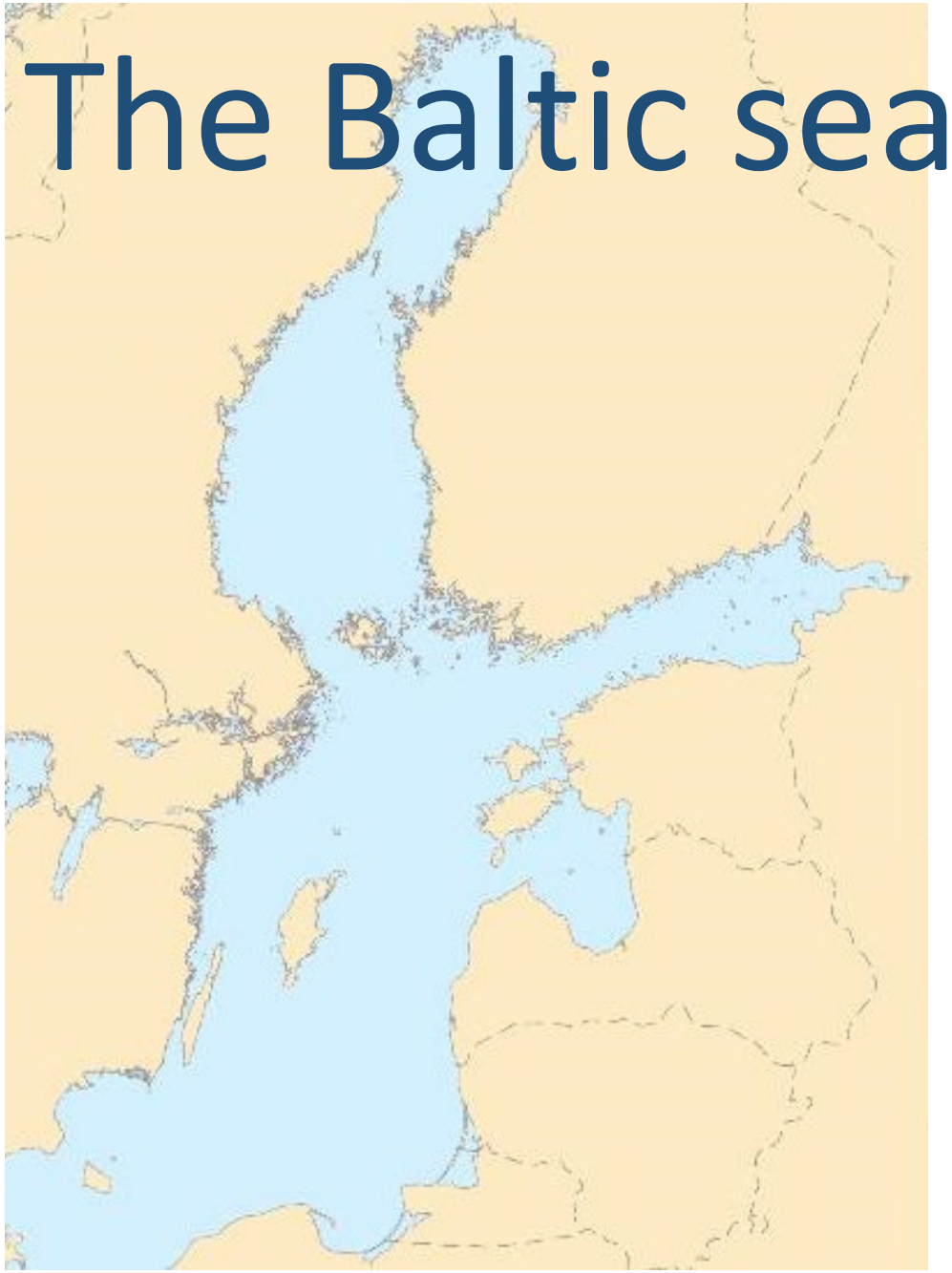
2020 - 2023

Enhancing possibilities for the maritime sector to become a more efficient mode of transport, by making the Baltic Sea a model region where development, sustainability, safety and digitalization are in focus.

The Baltic sea- the perfect testbed



- Endangered Sea – Need for optimisation
- A lot of sea traffic – Need of Sea Traffic Management
- Fairly shallow water – Need for UKC optimisation
- Close to shore – Connectivity is fair
- Best of all – All countries involved are at a high technological level

KEEP
CALM
AND
KEEP
SURVEYING

Finalisation of HELCOM BSHC resurveying, incl. Revision of re-survey plan

- Surveying all areas determined by the HELCOM implementation plan is fundamental for the development of maritime infrastructure in the Baltic Sea
- Revision of re-survey plan to facilitate coastal shipping and optimised routeing
- Creating the basis and precise conditions for further development of today's standards and navigation methods
- Access to reliable and precise depth data enables reduction of uncertainty margins when optimizing transports

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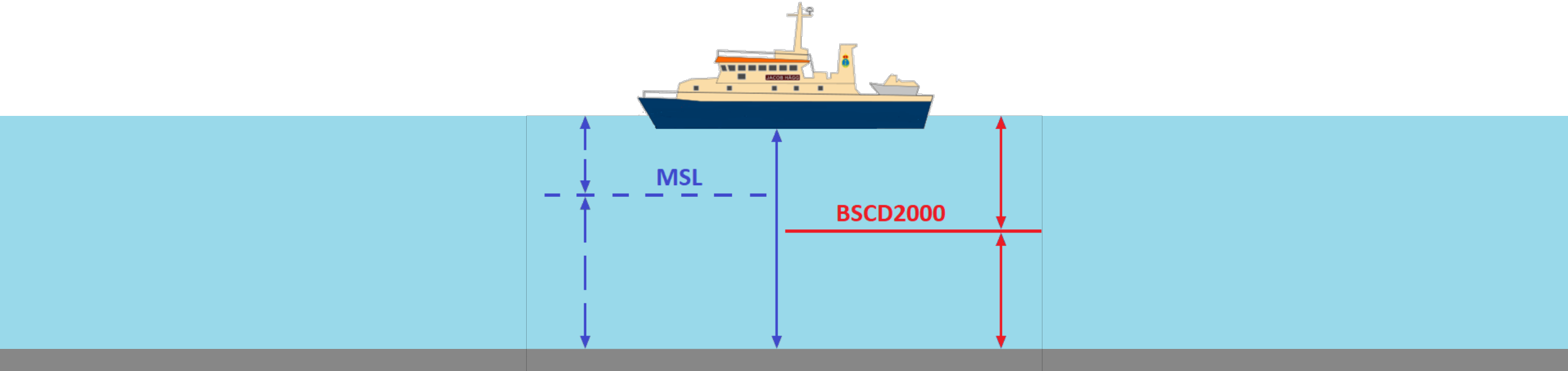
Baltic Sea reference level

(working title)



Baltic Sea Reference Level

- Implementation of the Baltic Sea Hydrographic Commission (BSHC) Reference System Baltic Sea Chart Date 2000
- Quality assured water level information: Tide gauges (quality assurance, co-located GNSS stations), altimetry, hydrodynamic modelling, S104 implementation
- Quality assured geoid model as a base for BSCD 2000
- Produce a S-104 product prototype
- GNSS Positioning for ship 3D navigation

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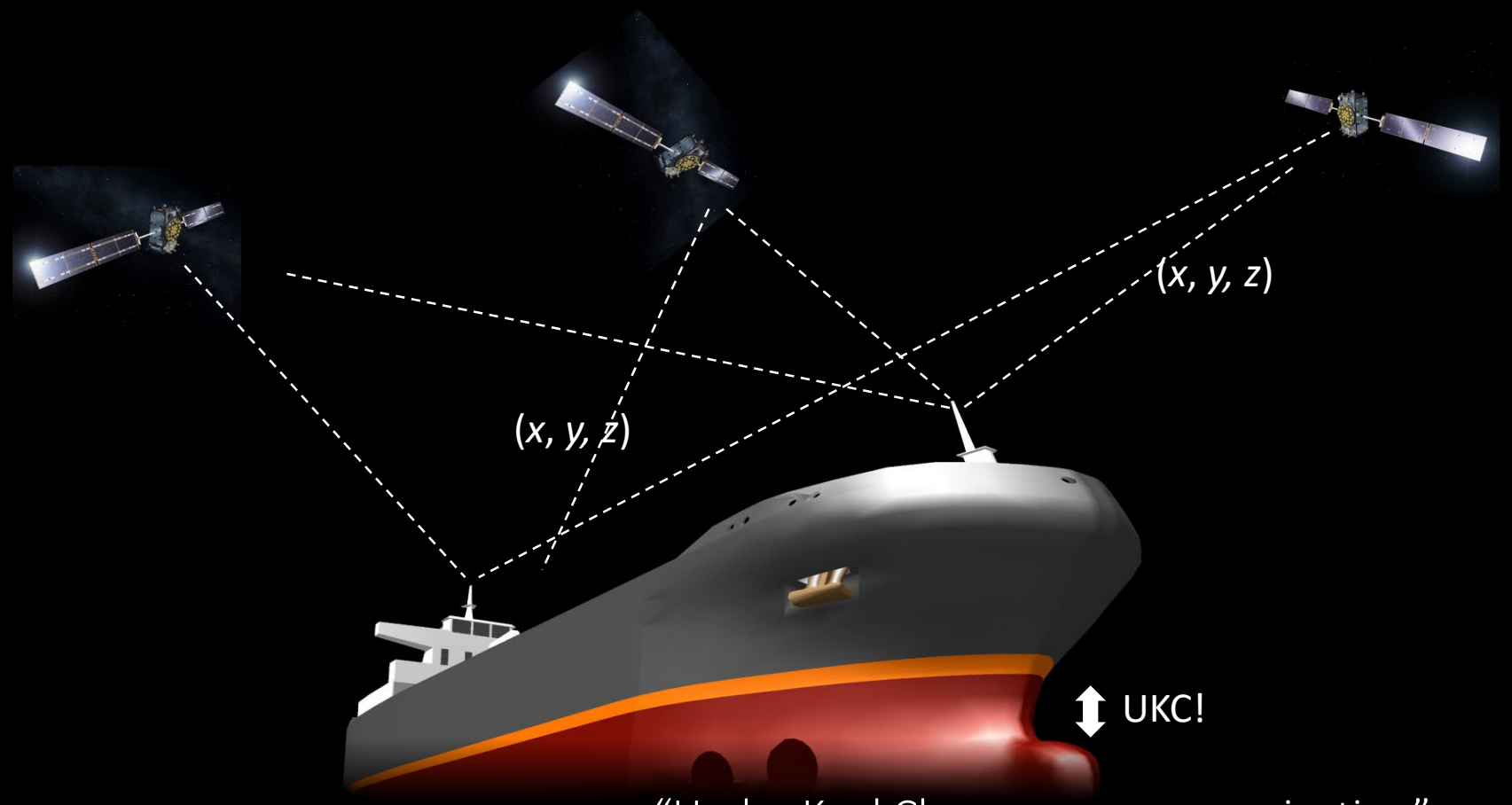
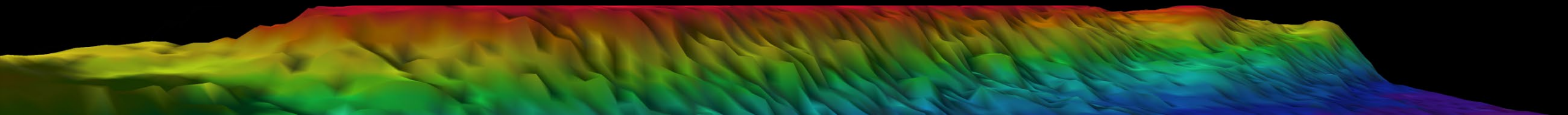


3D

"Under Keel Clearance aware navigation"



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NO SMOKING
SIGAS LAURA
EITZEN GAS
DRAFT
MARGINAL = SAFETY
UNCERTAINTY = INEFFICIENCY
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MarineTraffic.com

UKC Management (UKC GO & UKC Load)

Development and Demonstration of commercial services for UKC GO and UKC Load, in collaboration with ports, shipping companies and service providers

THE KEY IS STANDARDS

S-129

S-104

S-101

S-124

S-102

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Baltic Sea as a Model Region for Development and Demonstration of S-100 Products

- Increase knowledge of the new ECDIS standard among future users.
- Nautical information relevant for port calls
- Stimulate commercial route optimization services for commercial shipping, not scientists developing algoritms
- Initiate development of a S-102 Baltic common standard
- Production of prototype products S-104 (tidal information) and S-112 for dynamic sea level
- Etc.
- Innovation race?

Far-sighted
Operability
positioning
sustainable
Motorways
protection
geospatial
Curiosity
Sailing
Efficiency
resources
Connectivity
Useful
future
Geoid
bundling
reference
Optimization
data
Seafaring
prerequisits
Geodetic
Test
hazard
UKC
GNSS
Lead
precise
Cooperation
world
systems
sea
risk
Services
bathymetry
prepare
E-navigation
growth
Interoperability
Sustainability
Sustainable
improvements
Effectiveness
standardization

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Want to Join? Yes you want!

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