



~~Geophysicist~~

~~Hydrograph~~

~~GNSS expert~~

Mariner

Project manager/communication officer






NtM Editor

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[www.famosproject.eu](http://www.famosproject.eu)

## Ready after

-  FAMOS Freja
-  FAMOS Odin
-  FAMOS Thor
-  surveyed earlier
-  surveyed FAMOS

After FAMOS:  
100 000 km<sup>2</sup> more  
(area of Portugal)

LANTMÄTERIET

Liikennevirasto



Bundesamt für Kartographie und Geodäsie



TALLINN UNIVERSITY OF TECHNOLOGY

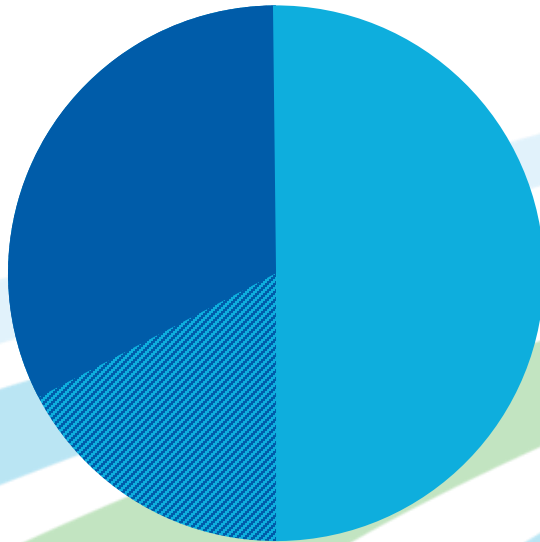


 Co-financed by the European Union  
Connecting Europe Facility

2014-2016  
Freja

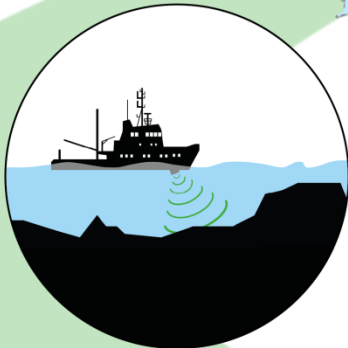
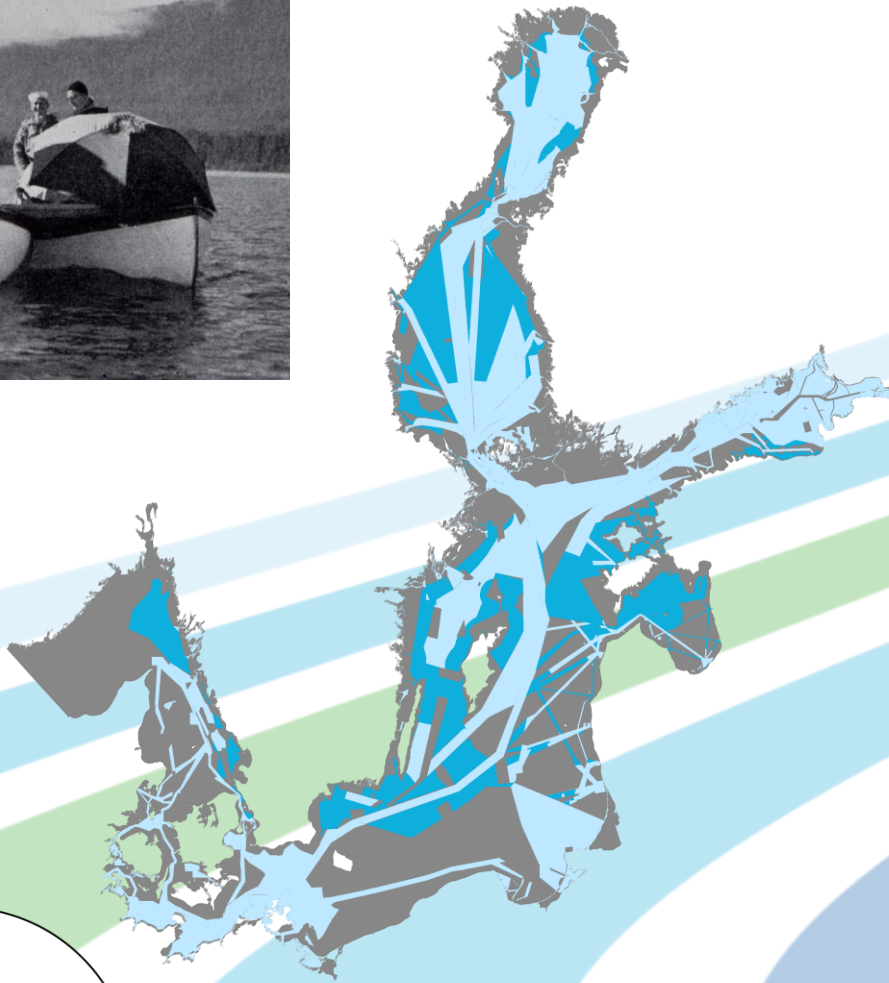
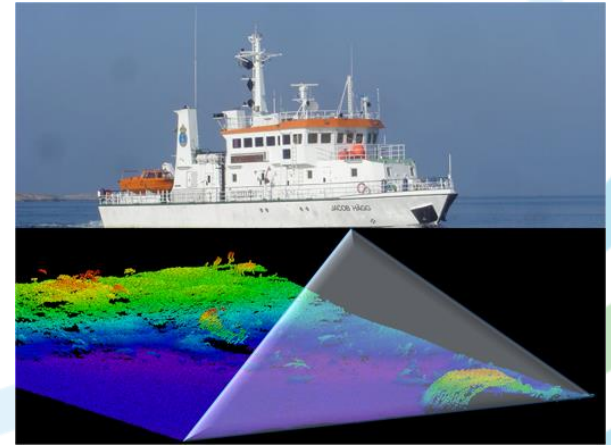
2016-2018  
Odin

2018-2020  
Thor



- Work activities: 30% financing
- Study activities: 50% financing
- Own financing: 50-70%

safety  
efficiency  
accuracy



→ 96600 km<sup>2</sup>

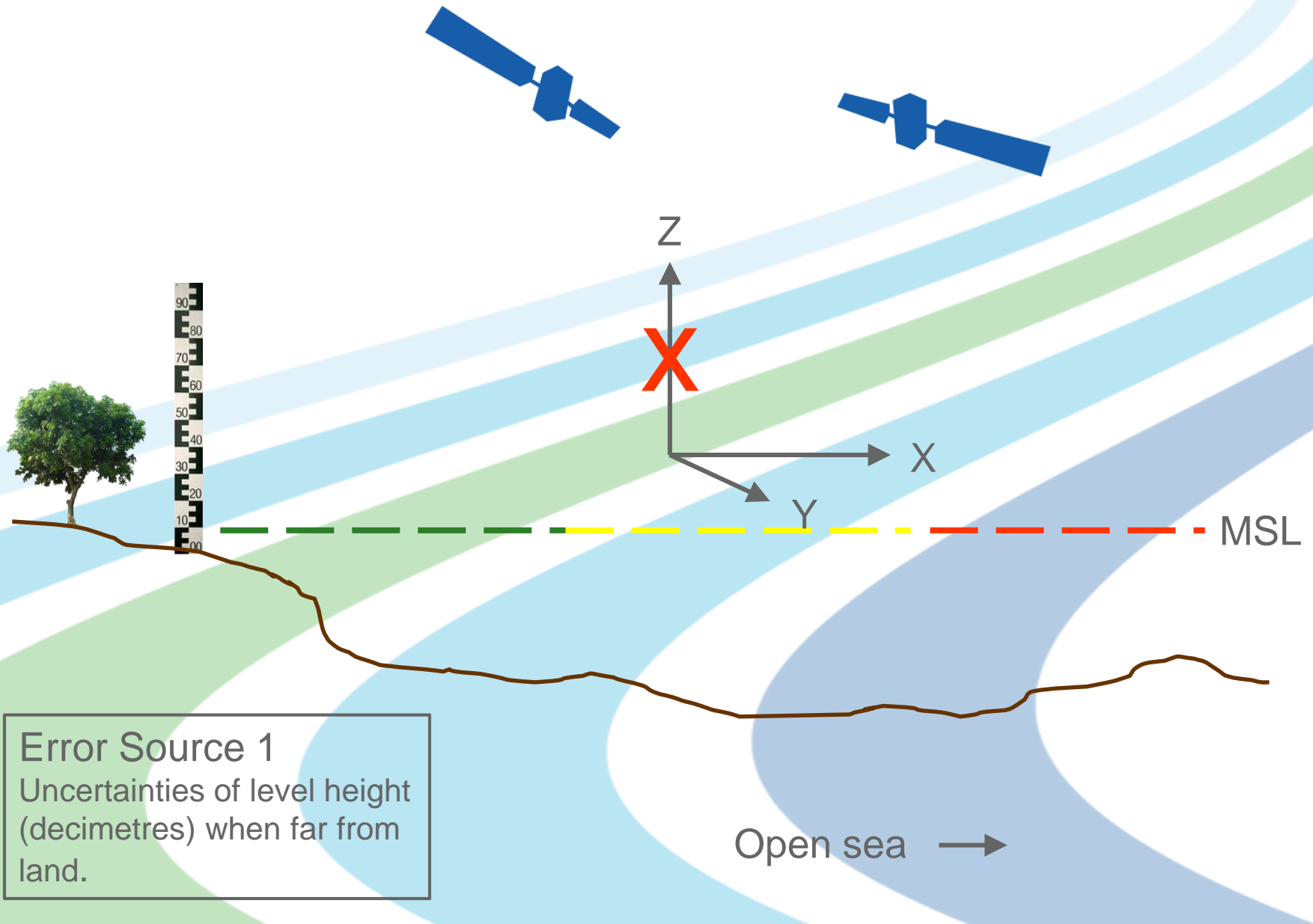


# Improvement of surveying infrastructure





# TODAY



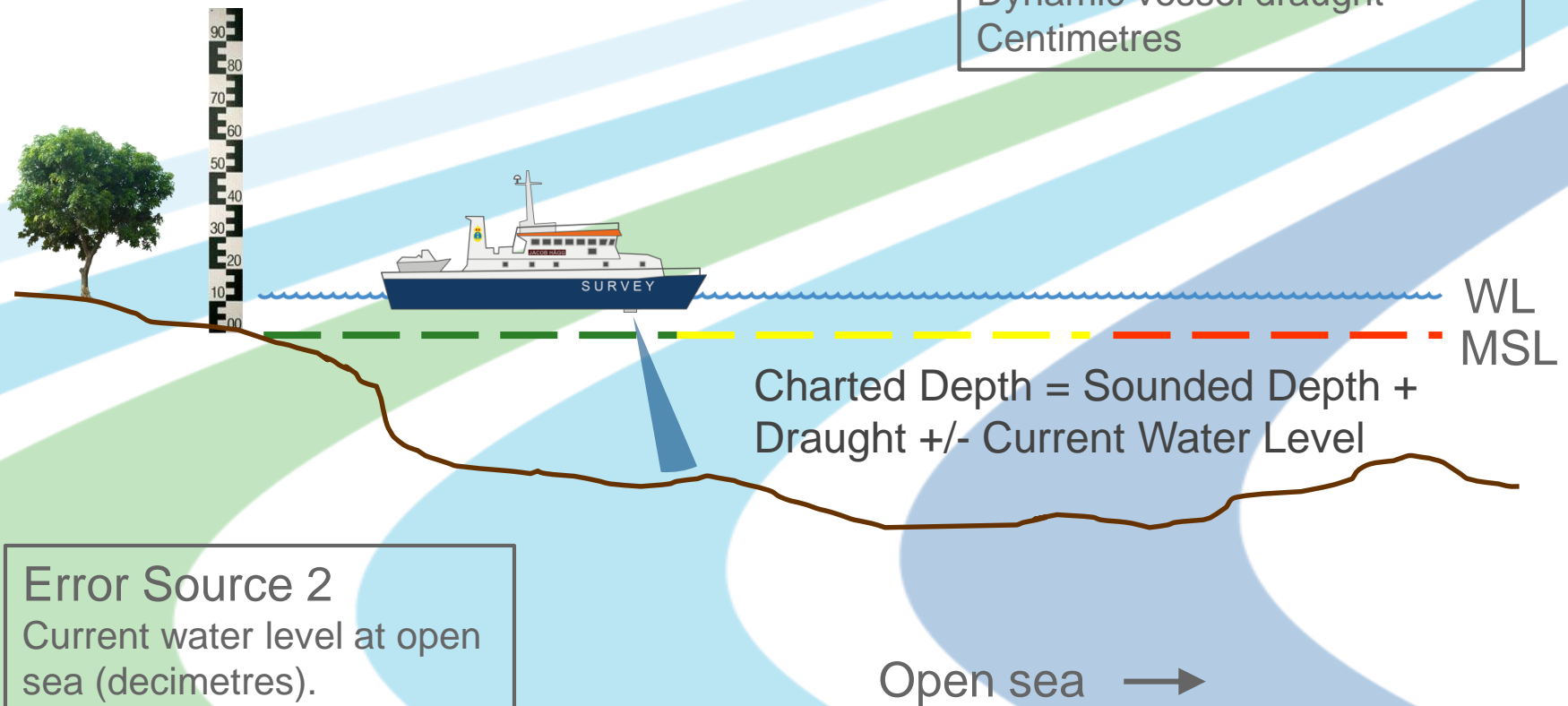
# TODAY

## Error Source 3

Faults in soundings (e.g. calibration of instruments)  
Centimetres

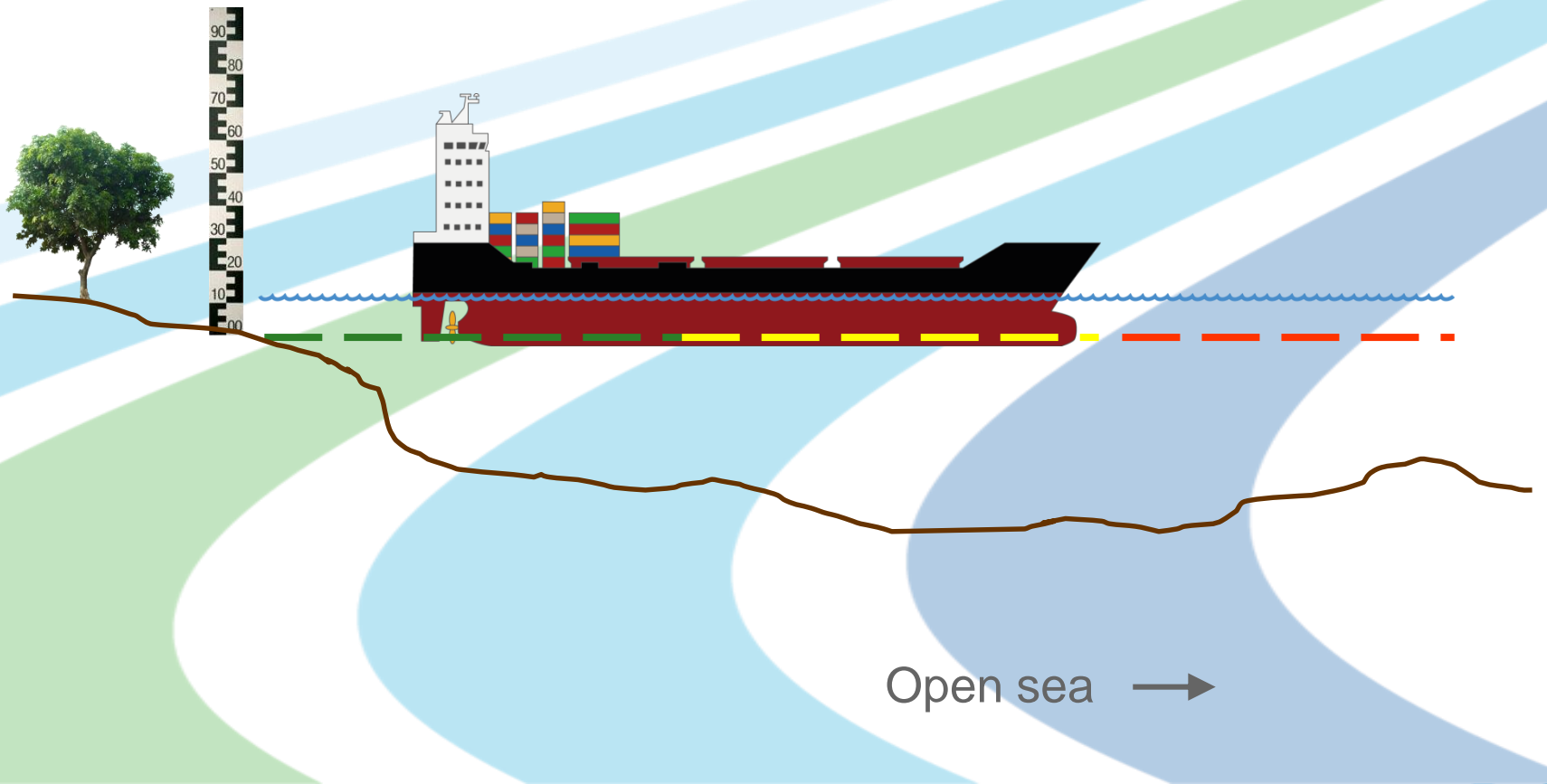
## Error Source 4

Dynamic vessel draught  
Centimetres



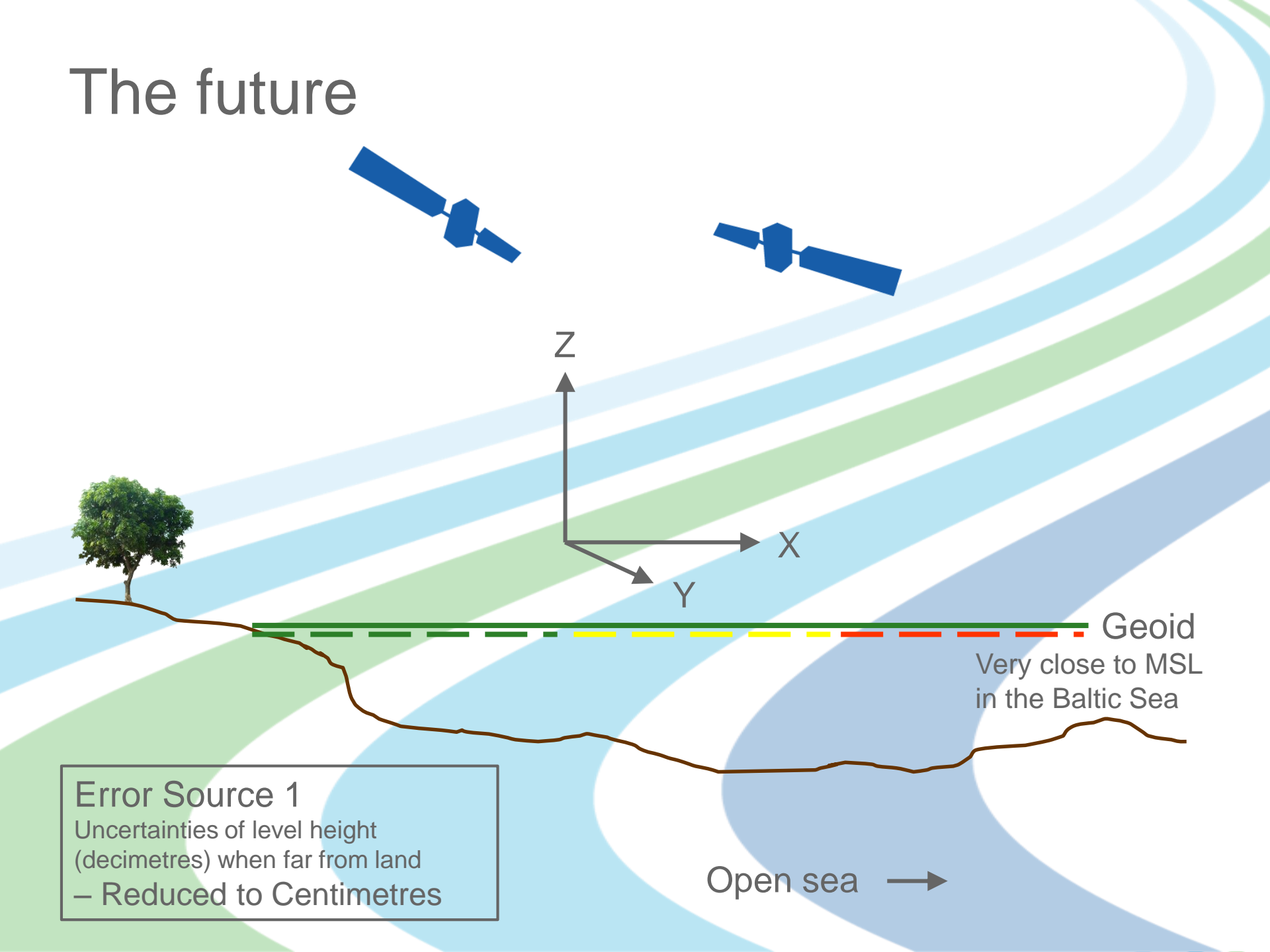
# TODAY

UKC = Charted Depth  
+/- Current Water Level - Draught  
(with safety margins added for all  
possible error sources...)

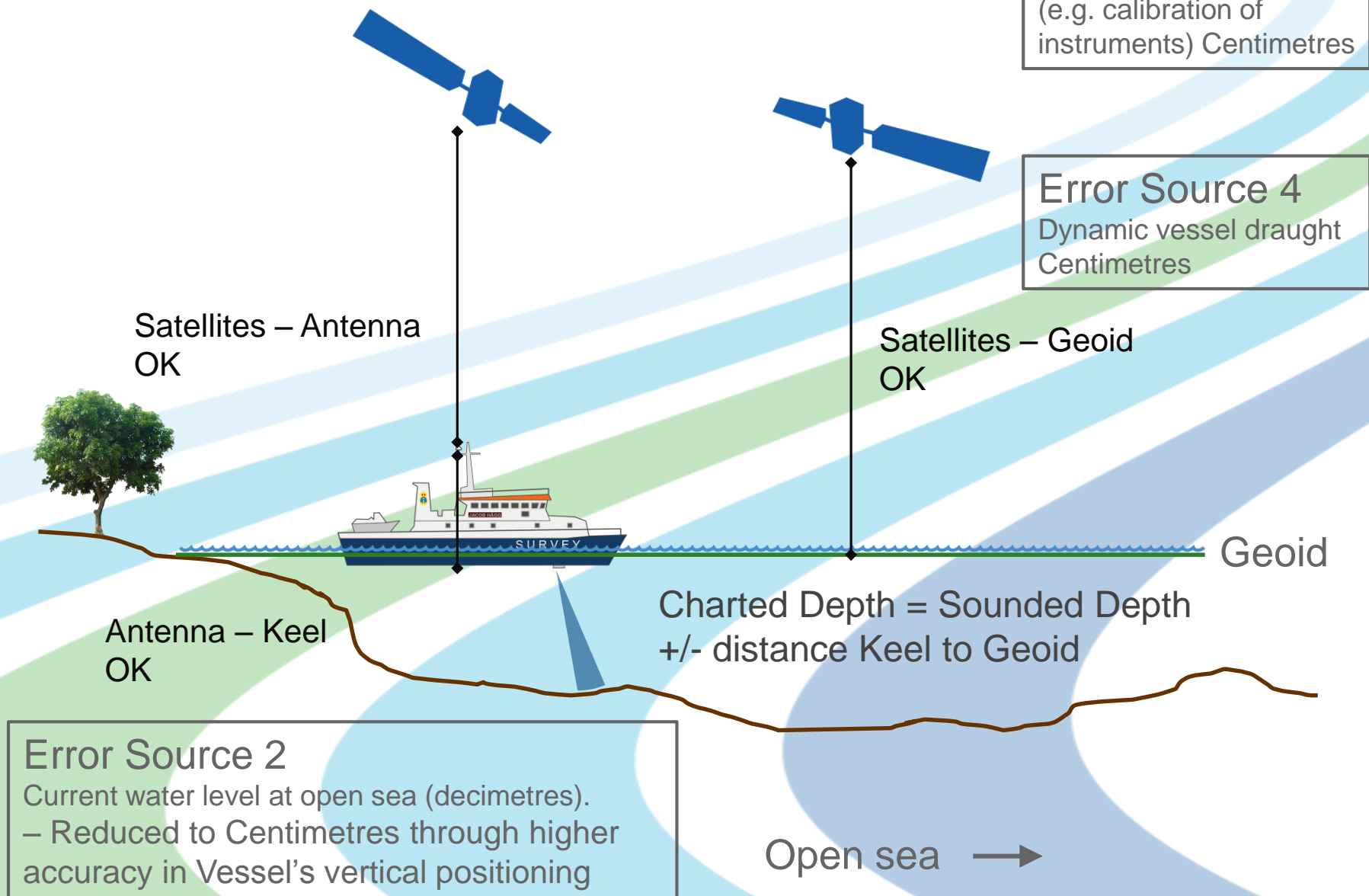


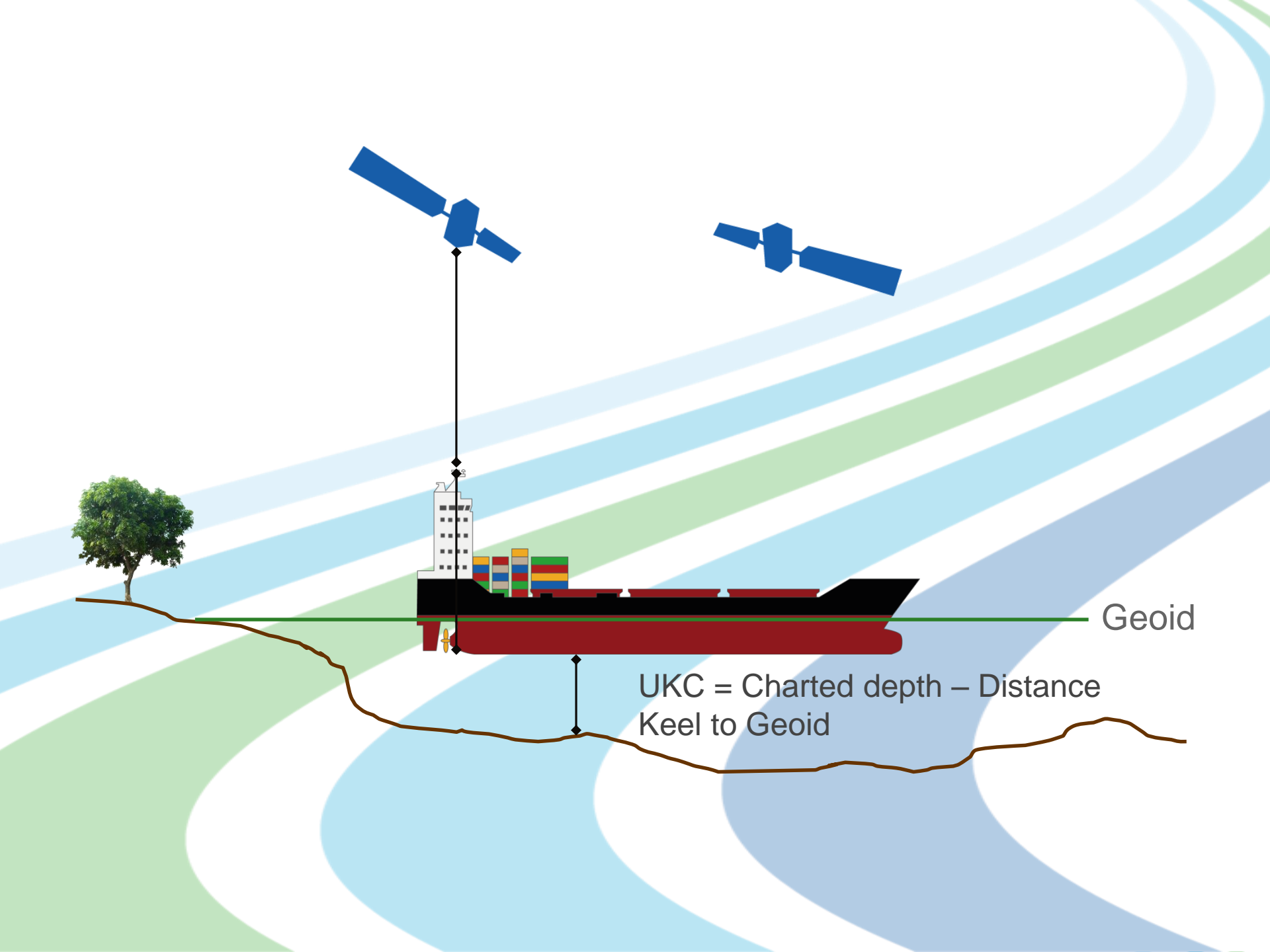


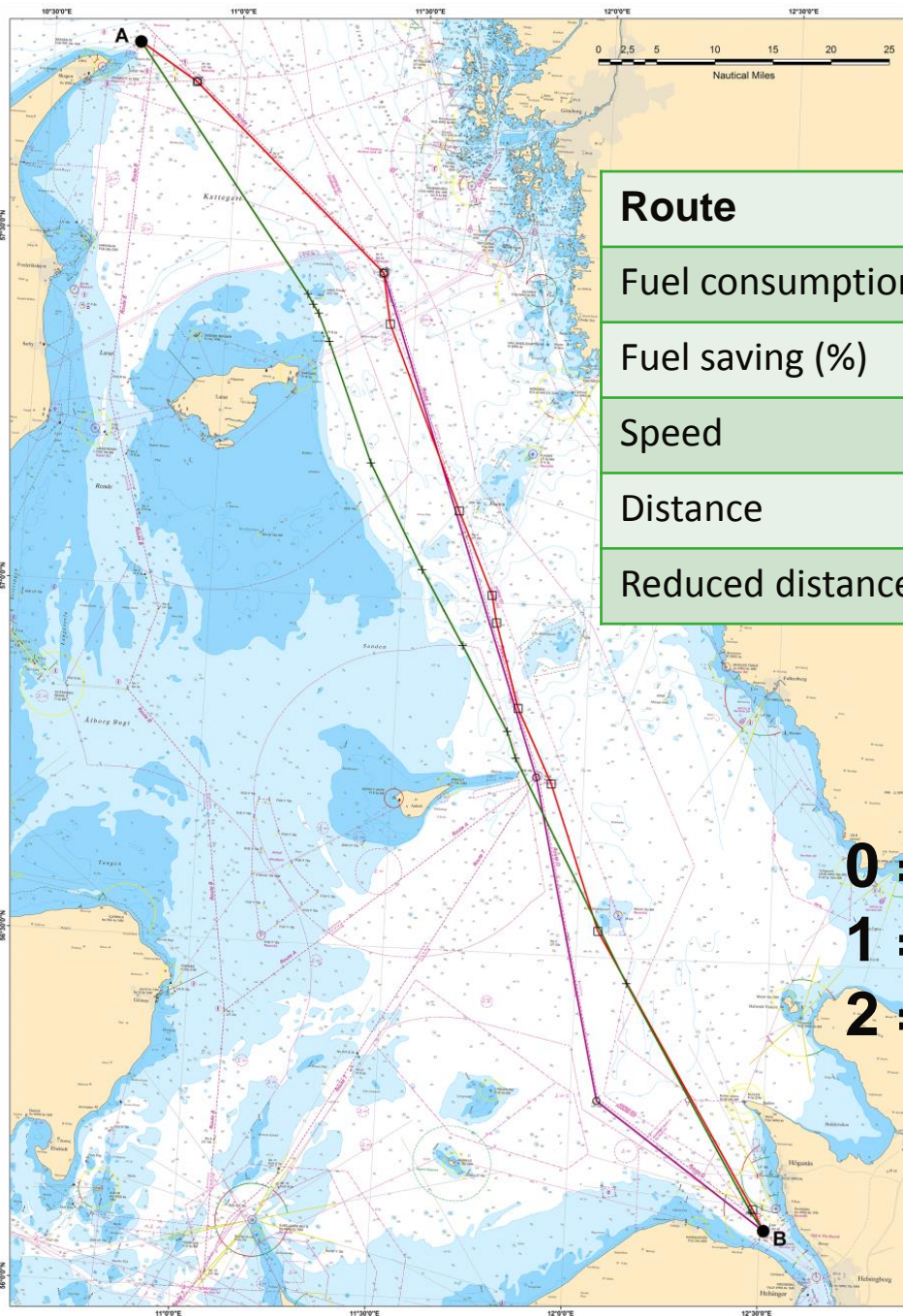
# The future



# The future







Route	0	1	2
Fuel consumption (kg)	5364	4927	4700
Fuel saving (%)	0	8,1	12,4
Speed	13,4	13,1	12,8
Distance	147	144	141
Reduced distance (%)	0	2,0	4,1





[http://spintra.sjofartsverket.se/sites/sjogeografi/sph/Dokument/Los-Farsund%20\(1\).mp4](http://spintra.sjofartsverket.se/sites/sjogeografi/sph/Dokument/Los-Farsund%20(1).mp4)