

The Danish Straits

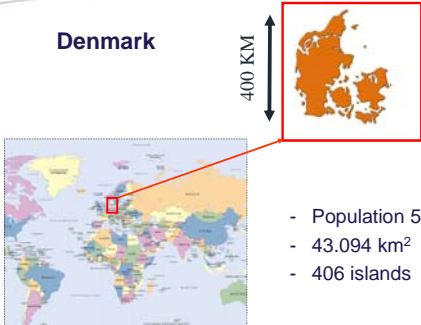



Francis Zachariae
Deputy Director General

Disposition

- Who is the Danish Maritime Authority (DMA) and what do we do?
- Specific challenges to the DMA
 - The busy Straits
- New ways of thinking aids to navigation
 - e-Navigation
 - ArticWeb/BalticWeb
 - Abnormal behavior

Denmark



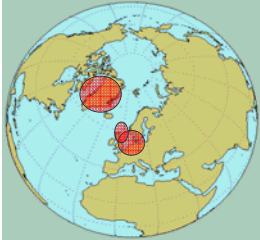
- Population 5.470.000
- 43.094 km²
- 406 islands

Maritime activities and Danish prosperity go hand in hand



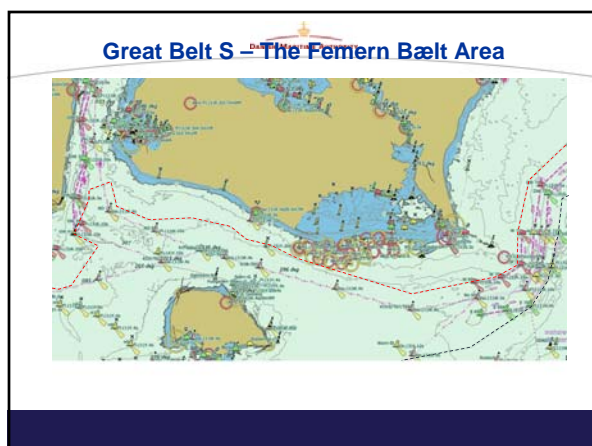
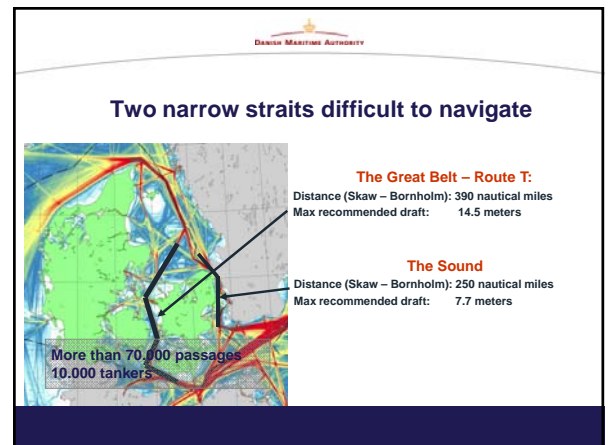
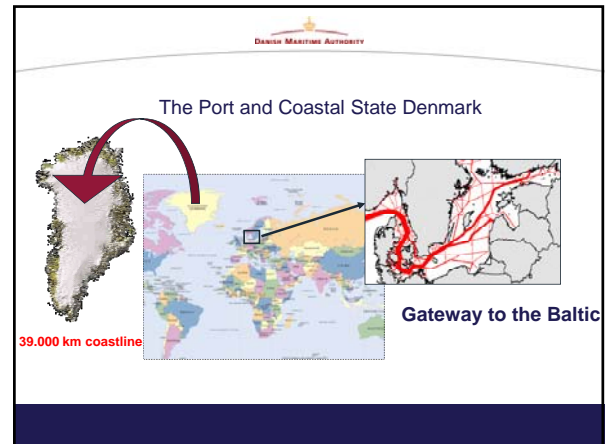
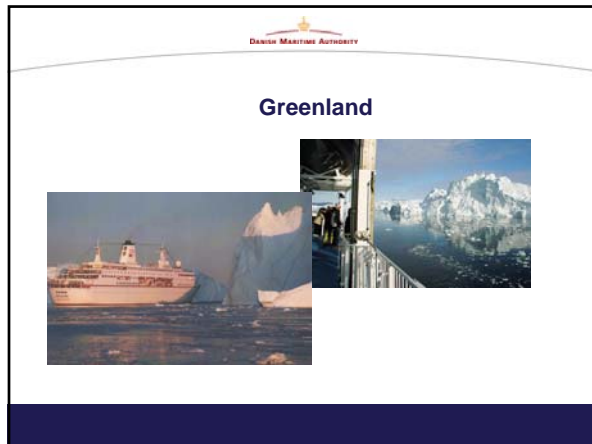
Area of responsibility

Denmark, Faroe Islands and Greenland



The Feroe Islands

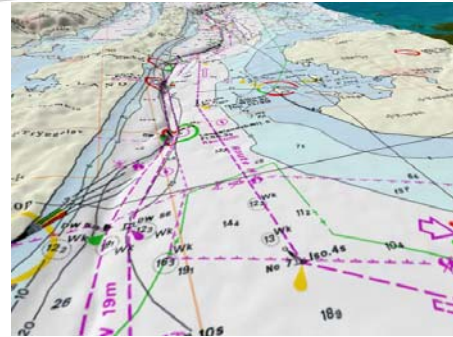




DANISH MARITIME AUTHORITY

Challenges

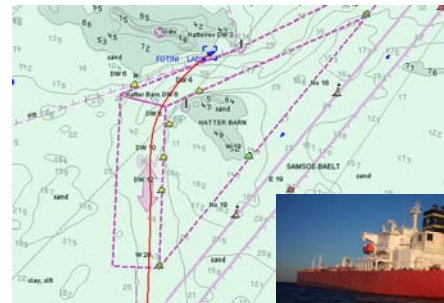
- Tricky under water currents
- Heavy traffic
- Shallow, complicated waters



DANISH MARITIME AUTHORITY

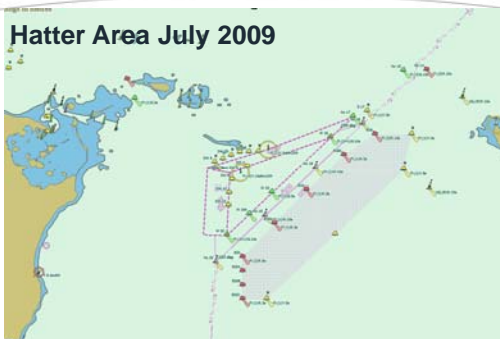
Solutions

- AIS
- VTS
- Buoys, lighthouses etc.
- Pilotage



DANISH MARITIME AUTHORITY


Hatter Area July 2009



DANISH MARITIME AUTHORITY

Vessel Traffic Service (VTS)

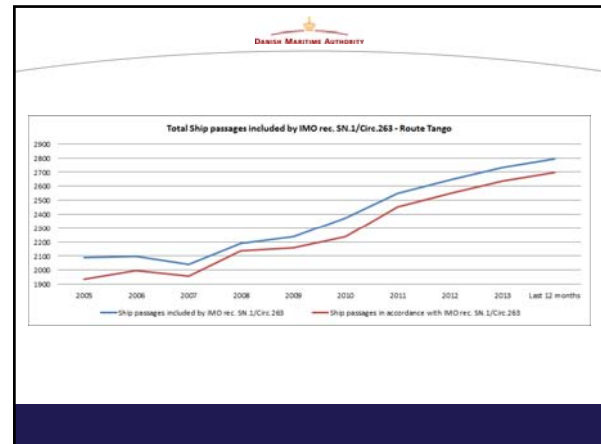



Danish Maritime Authority

Pilotage:

Motivation steps of NO PILOT and partly transits :


- HELCOM no 23/3 rec. report
- Royal Danish Navy Routine Call
- Pilotage Service Provider/pilot call
- DMA report of NO PILOT and partly transits to flagstates
- DMA report of NO PILOT transits in the Thetis database





Danish Maritime Authority

Future

- e-Navigation
- ArcticWeb - BalticWeb
- Abnormal Behavior


Danish Maritime Authority

The waters are divided into a number of small cells (400x400 m)



Google earth


Danish Maritime Authority

Near miss grounding example



Situation where the ship will ground in one minute unless it turns. (Which it did!)


Danish Maritime Authority

Thank you very much for your attention

