

Dredging in Denmark

- The Ministry of the Environment
- The ministry consists of a central part where the preparing of the laws for the politicians take place. Torben Wallach works there
- And 3 regional parts who gives permission to relocate dredged material and makes the monitoring of the relocationsites.

We are 4 people working with that.

Commercial Ports in Denmark

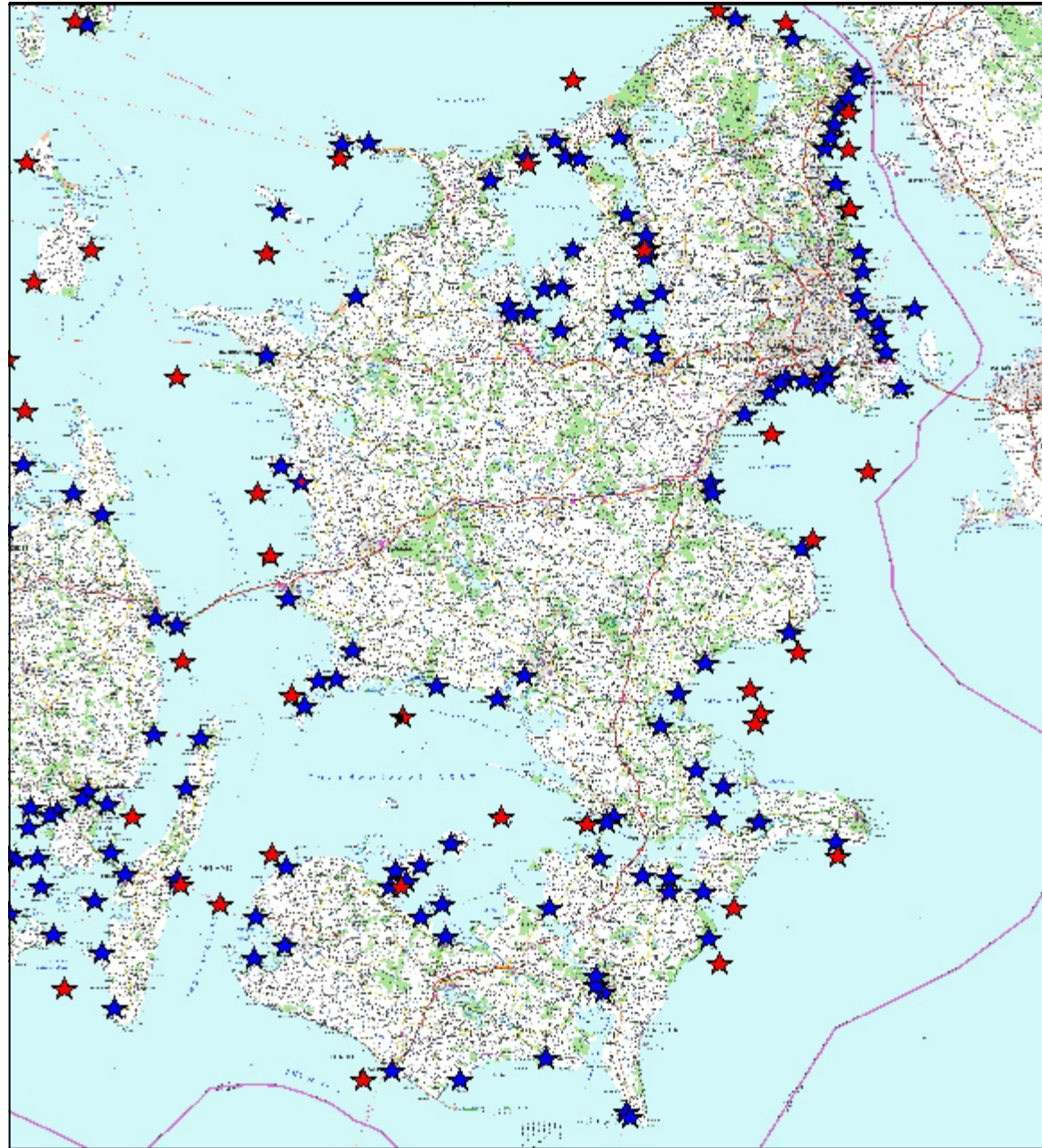
- We have 125 commercial ports
- 110 million tonnes freight p.a.
- 48 million passengers p.a.
- World's 5th largest fish exporting nation

Ports in east Denmark

115 Ports
and small
marinas

70 existing
permits

33 sites for
relocation



1: We want to reuse more dredged material

- New tools to connect "seller" and "buyer" of sediments.
- The development of a "stock" exchange for sediments.
- Transfrontier obstacles – the Basle Convention/EU's shipment-regulation.

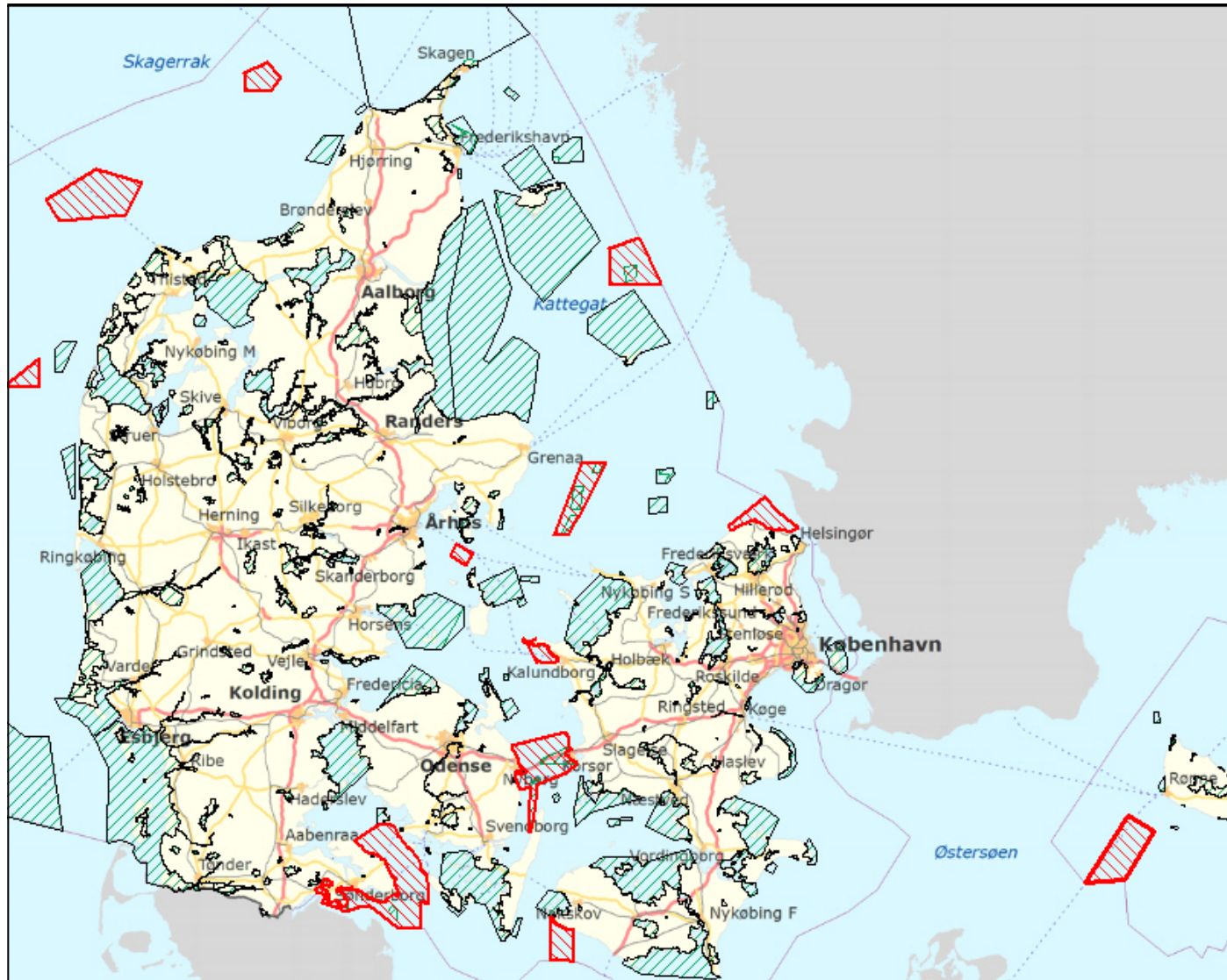
Obstacles of reuse in the Danish Perspective.

- Nature Agency permits dredging/dumping (Law of the Marine Environment)
- Municipality permits dredging/land filling
- Coast Directorate permits reuse along the coast and commercial dredging.
- Nature Agency (another branch) permits also reuse – Law of raw material.

2: We will evaluate the Contaminant Standards

- In order to the WFD and Natura 2000 sites
- How do we model the area that will be affected of relocation of contaminatet sediments
- What disturbance can we tolerate in protected areas

Natura 2000 sites in Denmark



3: Do we make the right monitoring

- We need to be better at finding the right measurements to know if there is an affect of relocation of dredged materials.
- Baselinestudies is difficult to compare with
- And do we measure the right parametres?

Establishment of the fixed link across Øresund

In total, 7,5 million m³ seabed materials were dredged i Øresund, 5 millions m³ in Denmark. All dredged materials was reused for reclamation of the artificial peninsula at Kastrup and the Artificial island south of Saltholm, Peberholm.



Cooperation between DK and SE – now cooperation between DK and GE in an even larger scale - the Femern Belt Tunnel maybe 18 mill m³