



**Ministry of Environment  
of Denmark**

Environmental  
Protection Agency

# How does policy help us to protect our marine (Wadden Sea) subway?

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# How does policy help us to protect our marine (Wadden Sea) subway?

## Presentations today:

- What do you do to protect underwater in the Wadden Sea? *Intro by Germany*
- Which policy instruments do you use to protect underwater nature in the Wadden Sea?  
***Intro by Denmark: Integrated Marine Nature Management in Denmark***
- How does it work in practice? *Intro by The Netherlands*



# *Integrated Marine Nature Management in Denmark*

*Policy - & management basis for (marine)  
nature in Denmark:*



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **The "BIG 4" *in order of (Danish Wadden Sea) relevance :***

- **1 Natura 2000 directives (Birds (1979) & Habitats (1992) )**
- **1 Marine Strategy Framework Directive (2008)**
- **2 Maritime Spatial Planning Directive (2014)**
- **2 Water Framework Directive (2000)**

# Policy Instruments: Integrated Marine Nature Management in Denmark

## “BIG 4” update status in Denmark as of September 2021

EU-directive	Year passed	Stage	Info link	Status in Denmark
<b>Natura 2000 Directives (Birds- &amp; Habitatsdirectives)</b>	Birds: 1979 Habitats: 1992	Under 3 <sup>rd</sup> generation development	<a href="https://mst.dk/natur-vand/natur/natura-2000/natura-2000-planer/natura-2000-planlaegning-2022-2027/">https://mst.dk/natur-vand/natur/natura-2000/natura-2000-planer/natura-2000-planlaegning-2022-2027/</a>	Public hearing, Nov 2021 to March 2022 incl. Strategic Impact Assessment. Final plan ultimo 2022 (est.)
<b>Water Framework Directive (WFD)</b>	2000	Under 3 <sup>rd</sup> generation development	<a href="https://mst.dk/natur-vand/vandmiljoe/vandomraadeplaner/vandomraadeplaner-2021-2027/">https://mst.dk/natur-vand/vandmiljoe/vandomraadeplaner/vandomraadeplaner-2021-2027/</a>	Hearing procedures ended Final plan complex Dec. 22 <sup>st</sup> 2021
<b>Marine Strategy Framework Directive (MSFD)</b>	2008	Under 2 <sup>nd</sup> generation development	<a href="https://mim.dk/natur/hav/#">https://mim.dk/natur/hav/#</a>	Preceding steps; Initial Assessment finished (incl. GES and targets) and targets published. Hearing of Program of Measures early autumn 2021 for 12 weeks (est.) Final Program of Measures will be reported to EU-Commission by end March 2022 (est.).
<b>Marine Spatial Planning Directive (MSPD)</b>	2014	1 <sup>st</sup> generation developed	<a href="https://www.soefartsstyrelsen.dk/vaekst-and-rammevilkaar/havplan">https://www.soefartsstyrelsen.dk/vaekst-and-rammevilkaar/havplan</a>	Public hearing, April to October 2021 (est.) Final plans December 2021



# *Policy Instruments: Integrated Marine Nature Management in Denmark*

## The ”+” added to the BIG-4



# Policy Instruments: Integrated Marine Nature Management in Denmark

## NOTE that

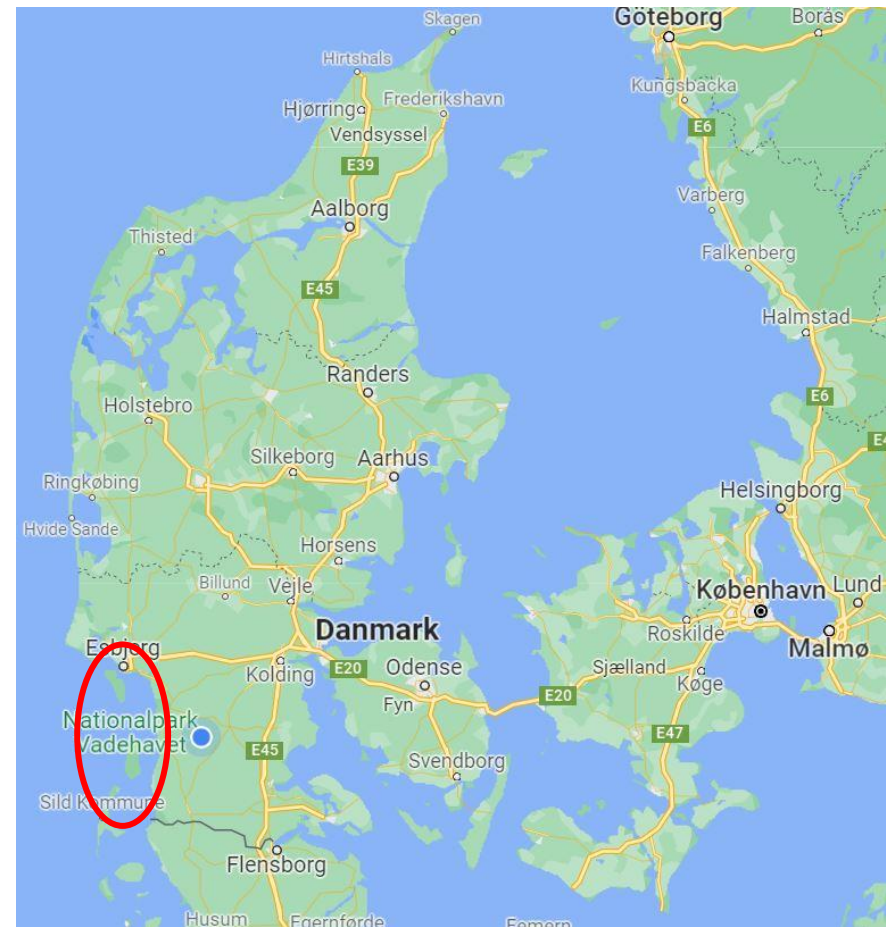
- the Danish coast line > 7700 km
- the Danish Wadden Sea coast line < 200 km

## BASICALLY

The Danish Wadden Sea is protected and managed by the "BIG-4" like all other Danish marine areas

## NONETHELESS

The Danish Wadden Sea has it's very own protection regime: "Statutory Order on conservation and game reserve in the Wadden Sea"



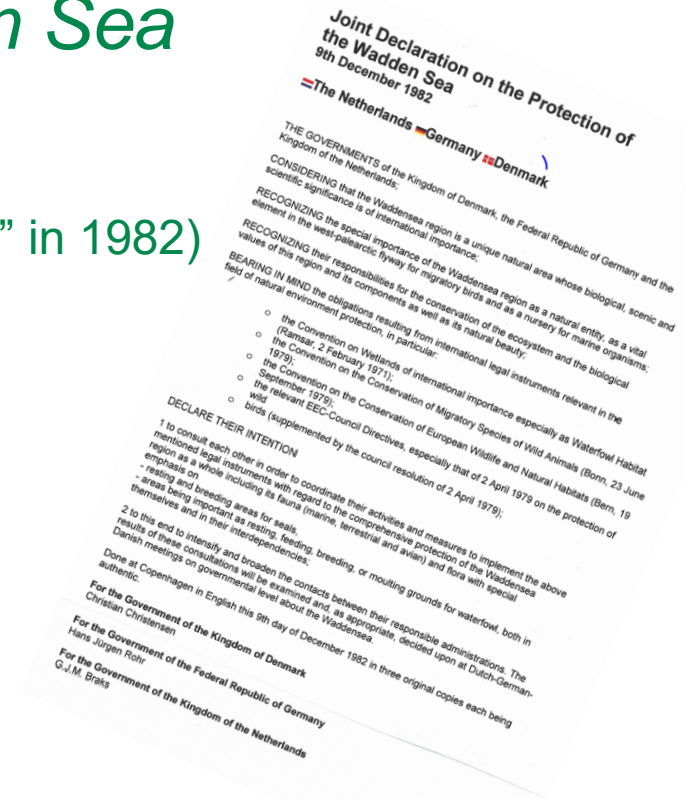
How does policy help us to protect our marine (Wadden Sea) subway?



# Policy Instruments: Integrated Marine Nature Management in Denmark

## Executive Order on conservation and game reserve in the Wadden Sea

- 1<sup>st</sup> edition in 1985  
(following the “Copenhagen Declaration” in 1982)
- 2<sup>nd</sup> edition in 1998
- 3<sup>rd</sup> edition in 2007
- 4<sup>th</sup> edition in progress (2021?)





# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

*Executive Order on conservation and game reserve in the Wadden Sea”* **concerns restrictions/prohibitions regarding:**

- Traffic
- Hunting
- ***Uptake of organisms above and below the seabed***
- Miscellaneous measures:
  - construction works,
  - coastal protection facilities,
  - dredging material sites,
  - excavation for raw materials, etc.,
  - release of plants and animals,
  - waste,
  - power lines and wind turbines



# *Policy Instruments: Integrated Marine Nature Management in Denmark*

## **The BIG-4 in Denmark:**

- N2000
- MSFD
- WFD
- MSPD



# *Policy Instruments: Integrated Marine Nature Management in Denmark*

## **Natura 2000 Directives in Denmark**



# Policy Instruments: Integrated Marine Nature Management in Denmark

## N2000 in Denmark & the Danish Wadden Sea

- (Baseline analysis)
- Targets & Measures



How does policy help us to protect our marine (Wadden Sea) subway?



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **N2000 focus in Denmark**

### **2016-2021 i.a.:**

- Coherence in nature
- Habitats for breeding birds
- Control of invasive species

### **2022- 2027:**

***Not yet officially established***



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

**N2000 in Denmark & the Danish Wadden Sea, more details for each of the more than 250 partial plans**

- **[Natura 2000-plan](#) (*Targets and measures*)**
- **[Consultation Note](#)**
- **[Summary Statement](#)**
- **[Strategic Environmental Assessment of the Plan Proposal](#)**
- **[Baseline analysis](#)**

*(Actual links refer to N89, Wadden Sea)*

# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **N2000 plan N89 for The Danish Wadden Sea *Programme of measures***

- **7 general measures**
- **9 specific measures**

### **Implementation:**

It is a joint task for municipalities and public landowners to agree in more detail on which areas and in which municipalities the specific measures are to take place.

# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **Marine Strategy Framework Directive (MSFD) in Denmark**

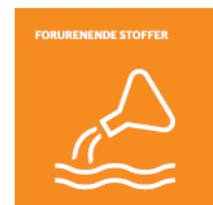
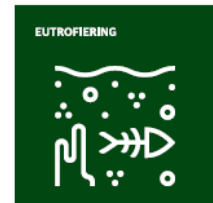
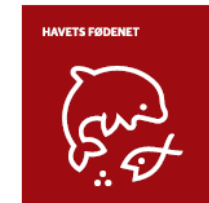




# Policy Instruments: Integrated Marine Nature Management in Denmark

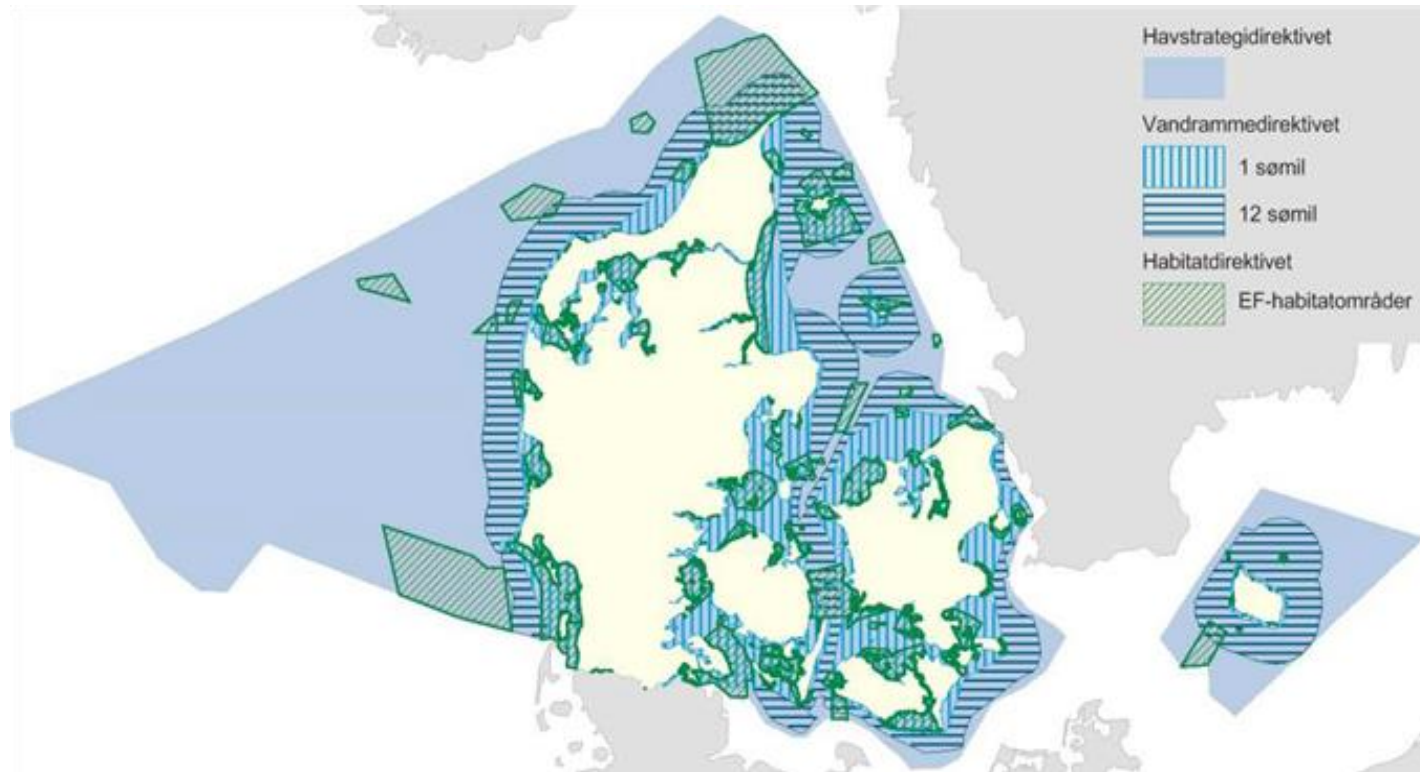
## MSFD in Denmark

- Ecosystem-based approach
- 11 descriptors →
- Holistic assessment cycles
- *Regional coordination, OSPAR (and HELCOM) strategi(es)*



# *Policy Instruments: Integrated Marine Nature Management in Denmark*

## MSFD in Denmark: Areas covered by the Marine Strategy



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# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **MSFD in Denmark: Most significant pressure factors in the Danish part of the North Sea (& the Wadden Sea)**

- 1) Nutrients**
- 2) Alien species**
- 3) Fishing**
- 4) Environmentally hazardous substances**
- 5) Noise**

**Conclusion from EU-Commission: Better (regional) coordination of monitoring and action programs, more ambitious goals for regional cooperation. -> Update of MSFD in 2017**

*Regional cooperation etc. most successfully done in “the North East Atlantic” area*



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **Water Framework Directive (WFD) in Denmark**



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **WFD in Denmark**

- Deals with biology and chemistry in inland streams, lakes and coastal waters.
- Coastal waters quality elements: Eelgrass (depth limits), chlorofyl-a & benthic fauna (Danish Quality Index)
- Chemistry most relevant for marine areas
- Migrating freshwater fish also relevant WFD "stuff", particularly in the Wadden Sea
- In DK MSFD takes over from the coastline and not from the 3 NM line (monitoring and measures)



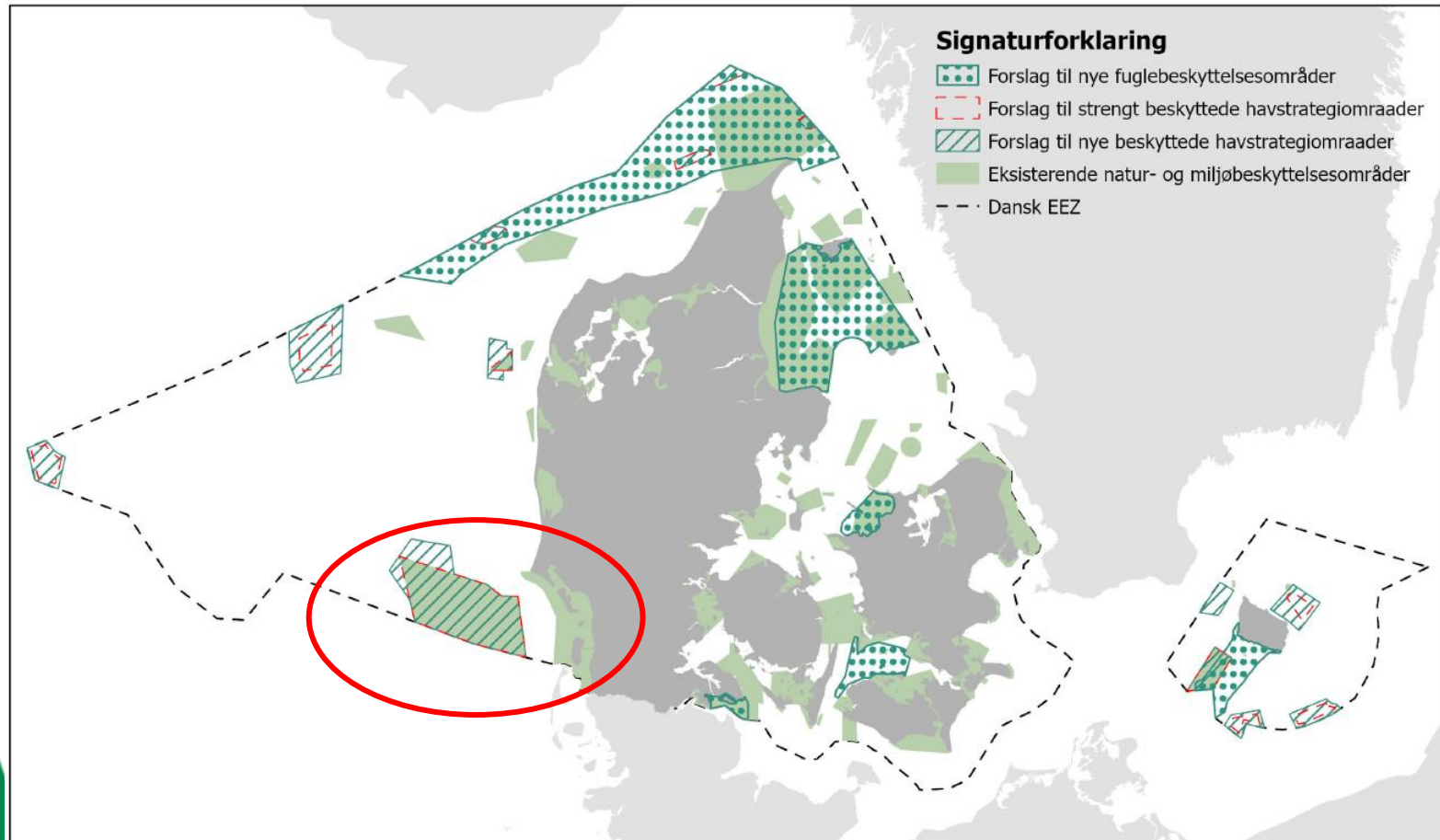
# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **Marine Spatial Planning Directive (MSPD) in Denmark**



# Policy Instruments: Integrated Marine Nature Management in Denmark

## MSPD in Denmark: NATURE AND ENVIRONMENTAL PROTECTION ZONES



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# *Policy Instruments: Integrated Marine Nature Management in Denmark*

## **MSPD in Denmark building on 5 elements:**

- **Ecosystem-based approach**
- **Spaciousness**
- **Inclusion of best available knowledge**
- **Coexistence**
- **The interaction between land and sea**



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

**Who's legally obliged to do what in Denmark with regard to the BIG-4+?**



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

## **Legal consequences of the BIG-4 management plans and the "Statutory Order" in Denmark**

**BIG-4: Only mandatory/binding for public authorities, i.e. government & municipalities, no decisions/permits must endanger the state of nature.**

**Statutory Order: Universally mandatory/binding, also for citizens etc.**



# ***Policy Instruments: Integrated Marine Nature Management in EU***

## **A way forward**



# ***Policy Instruments: Integrated Marine Nature Management in Denmark***

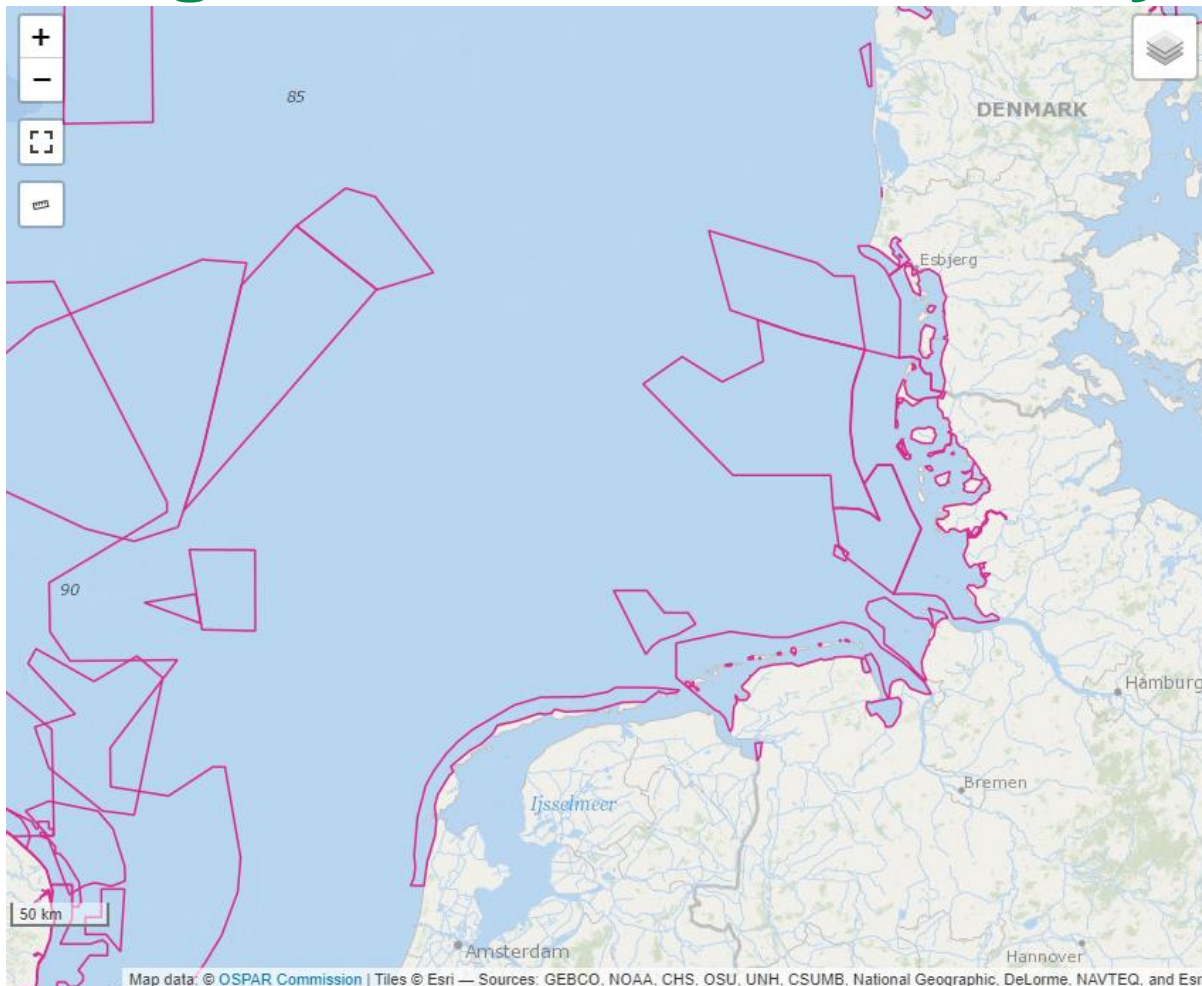
## **Protecting the Wadden Sea, a way forward**

1. Based on the MSFD, EU encourages "regional cooperation" based on the 4 regional conventions aiming at protecting the seas, and within those to coordinate "subregional":
  1. HELCOM
  2. **OSPAR**
  3. Mediteranian
  4. Black Sea
2. Specifically working with and further develop Marine Protected Areas (MPA)



# *Policy Instruments: Integrated Marine Nature Management in Denmark*

## Protecting the Wadden Sea, a way forward



MPA'S in the South-eastern North Sea/The Wadden Sea

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# Thank you for your attention!

## *QUESTIONS & DISCUSSION*

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