



MSP practices in Norway

MSP Workshop - North Sea perspective Programme,
3 May 2023

Jan H. Sandberg, The Norwegian Fishermen's Association





The Norwegian Fishing Industry:

- About 11 000 fishermen and 5 500 fishing vessels.
- We harvest about 2,5 million tonnes of seafood each year.
- Norwegian seafood is exported to more than 130 countries.



Photo: Norwegian Seafood Council



About the Norwegian Fishermen's Association:

- A politically independent national organization for professional fishermen.
- Organizes boat owners, as well as crewmen, on all kinds of fishing vessels.
- Safeguarding members' interests - both at sea and elsewhere.
- An active participant in national and international fisheries management.





The fishermen's view on co-existence:

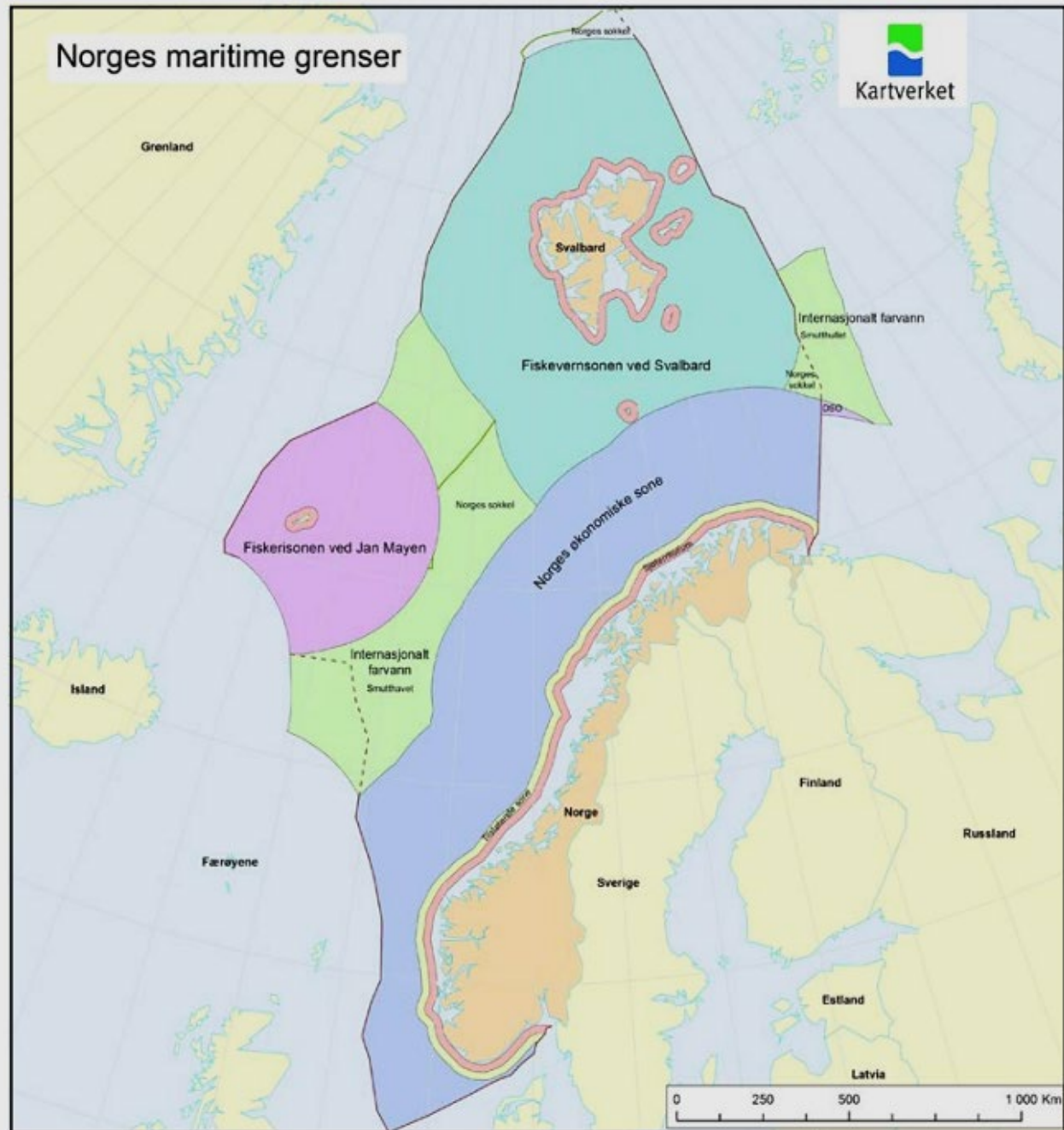
- We have a positive basic attitude towards other industries and interests.
- However: New industries should not harm fishing-activity, important spawning and breeding grounds, the marine environment or seafood security.





Norwegian marine waters:

- Total: 2 039 951 km²
- Marine internal waters: 89 091 km²
- Territorial sea (12-nm zone): 145 458 km²
- Exclusive Economic Zone: 787 640 km²



Norwegian marine waters



Fishing-activity in Norwegian waters:

- Most of the catch is carried out in relatively small areas.
- These areas should be reserved for fishing.



Kart: Fiskeridirektoratet



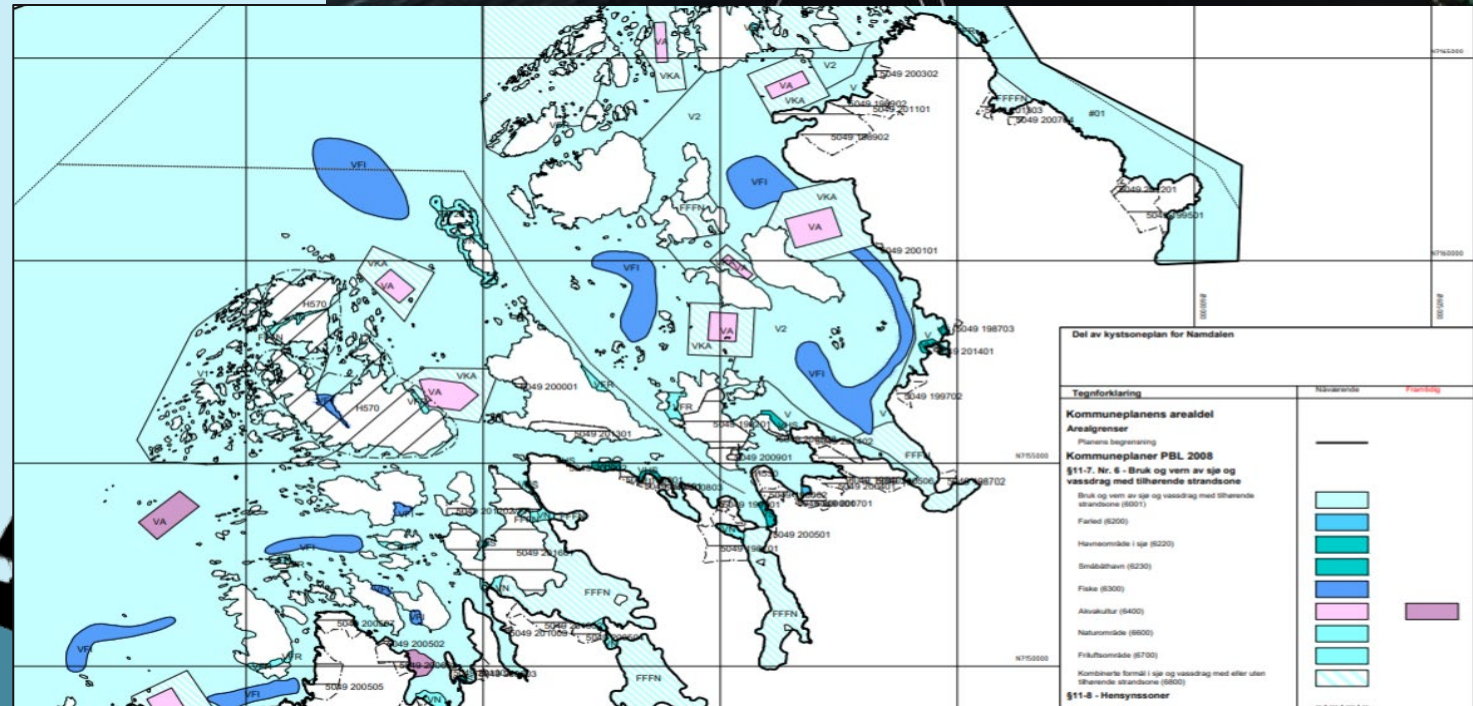


Coastal zone planning in Norway:

- The municipalities make legally bonding coastal zone plans within one nautical mile of the baseline.
- The most important motivation to facilitate aquaculture...



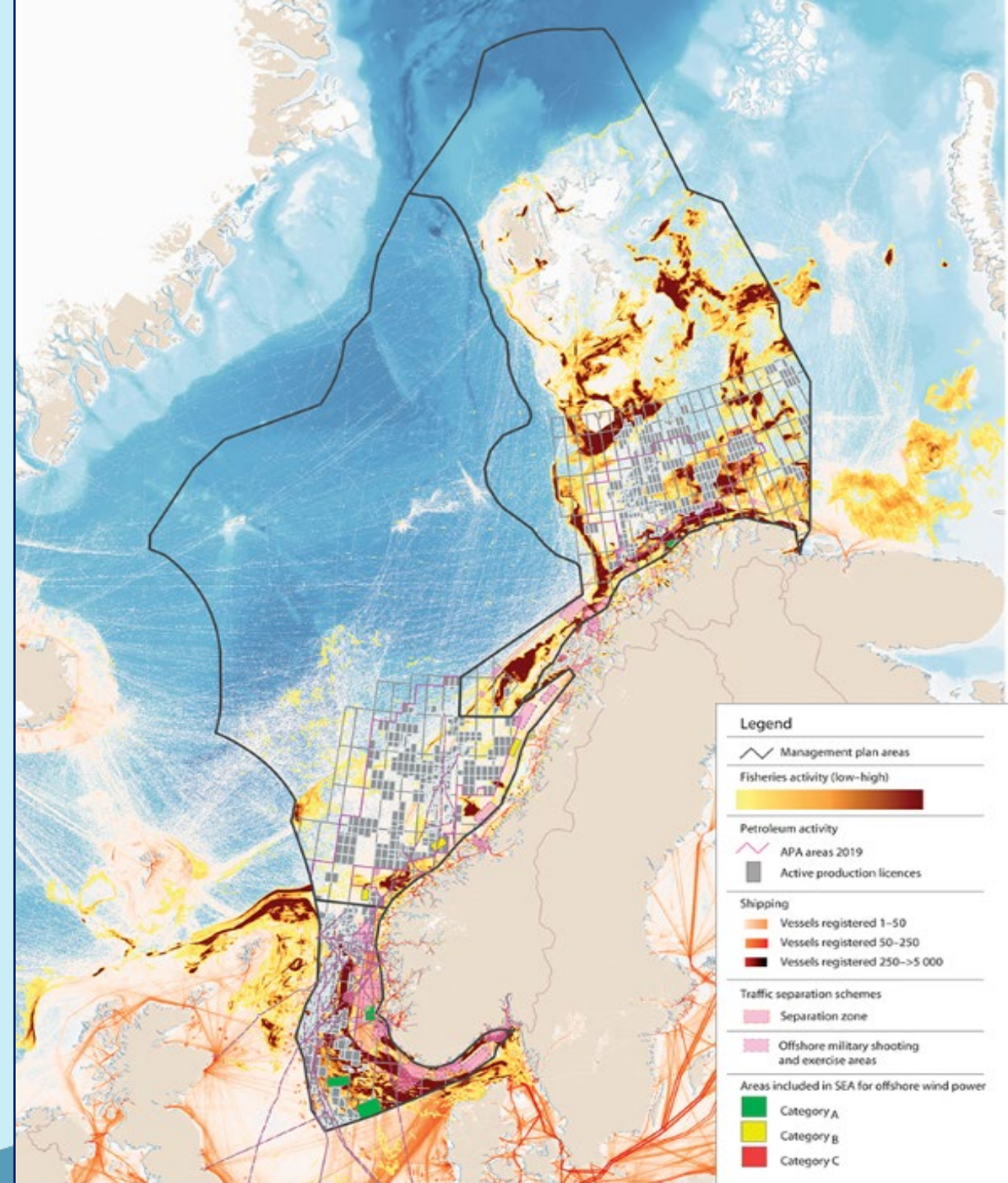
Photo: Kvarøy Fiskeoppdrett





Management plans for the Barents Sea, the Norwegian Sea and the North Sea and Skagerrak:

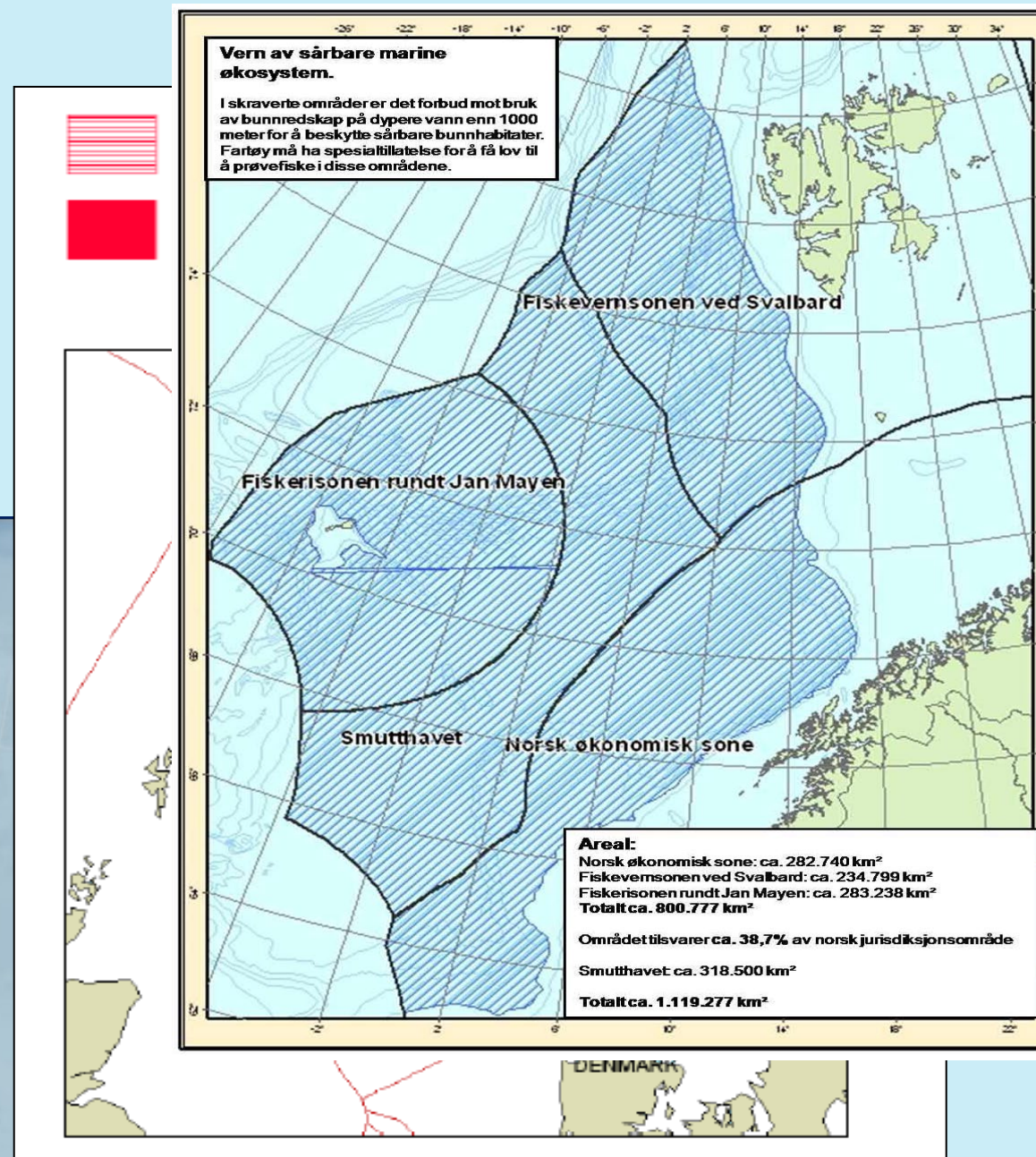
- Purpose: *“To provide a framework for value creation through sustainable use while maintaining the high environmental value of our marine areas”*.
- The “special laws” still have priority.





Marine protection:

- “Particularly valuable and vulnerable areas” is an important basis for marine management plans and marine protection.
- Fisheries are restricted in accordance with the Marine Resources Act.
- The government is now working on a new legislation on marine protection (outside the Exclusive Economic Zone).





«Industrial plans» for marine areas

- The government declaration (2021) stated that industrial plans shall be drawn up for Norwegian marine areas.
- The industrial plans shall “*facilitate a comprehensive development of existing and new marine industries, and to support employment and the goal of the greatest possible overall value creation within a sustainable framework*”.





Marine mining

Nyheter - Bergverk

Et landslag for marin gruvedrift

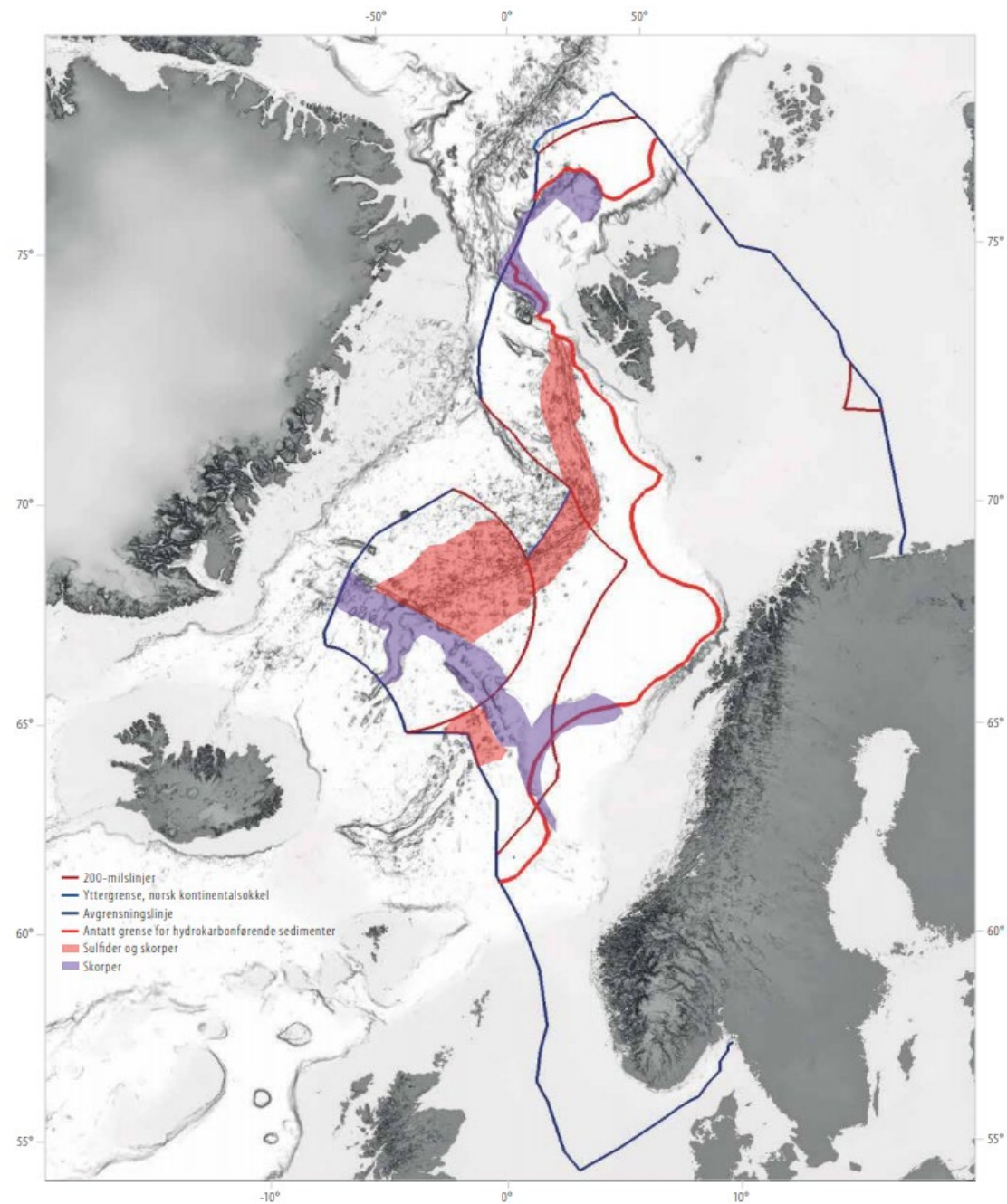
Av Ronny Setså Opprettet 12.11.2018

Nettverket Norwegian Forum for Underwater Mining ønsker å utrede muligheten for et nytt, norsk industrieventyr på havets bunn.



Depth: 2369.10 Heading: 193

UNIVERSITETET I BERGEN

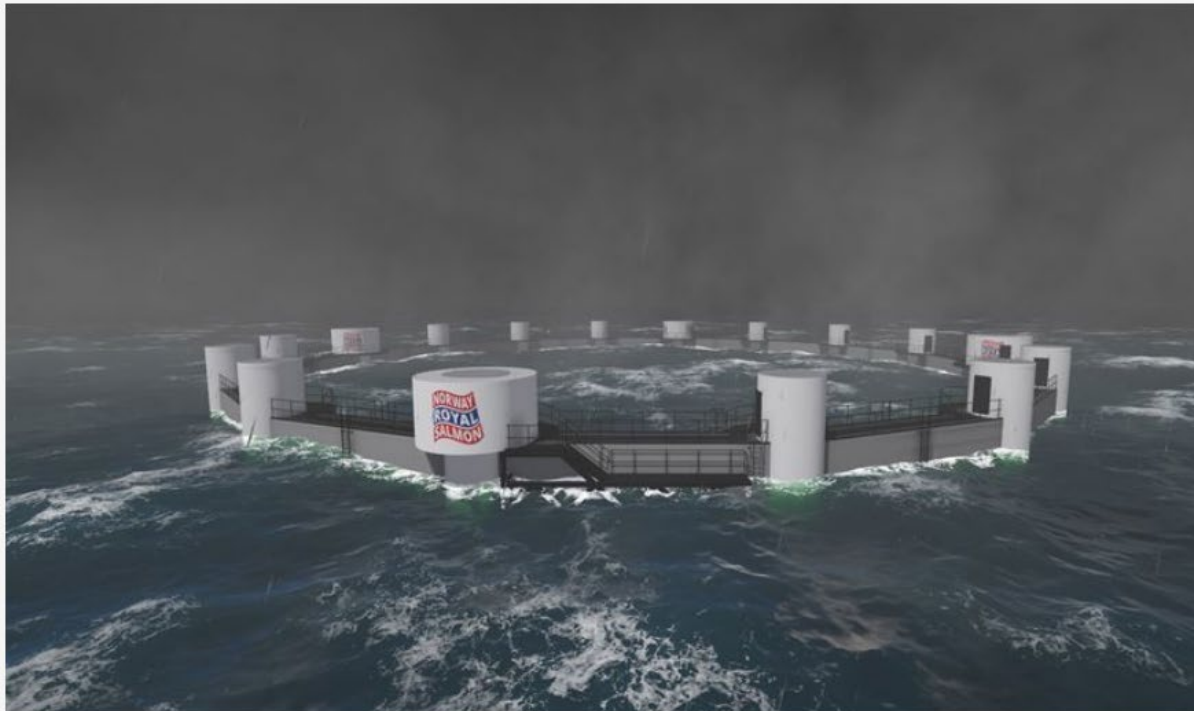


Figur 8.3 Kart over områder med mulige forekomster av havbunnsmineraler på norsk sokkel

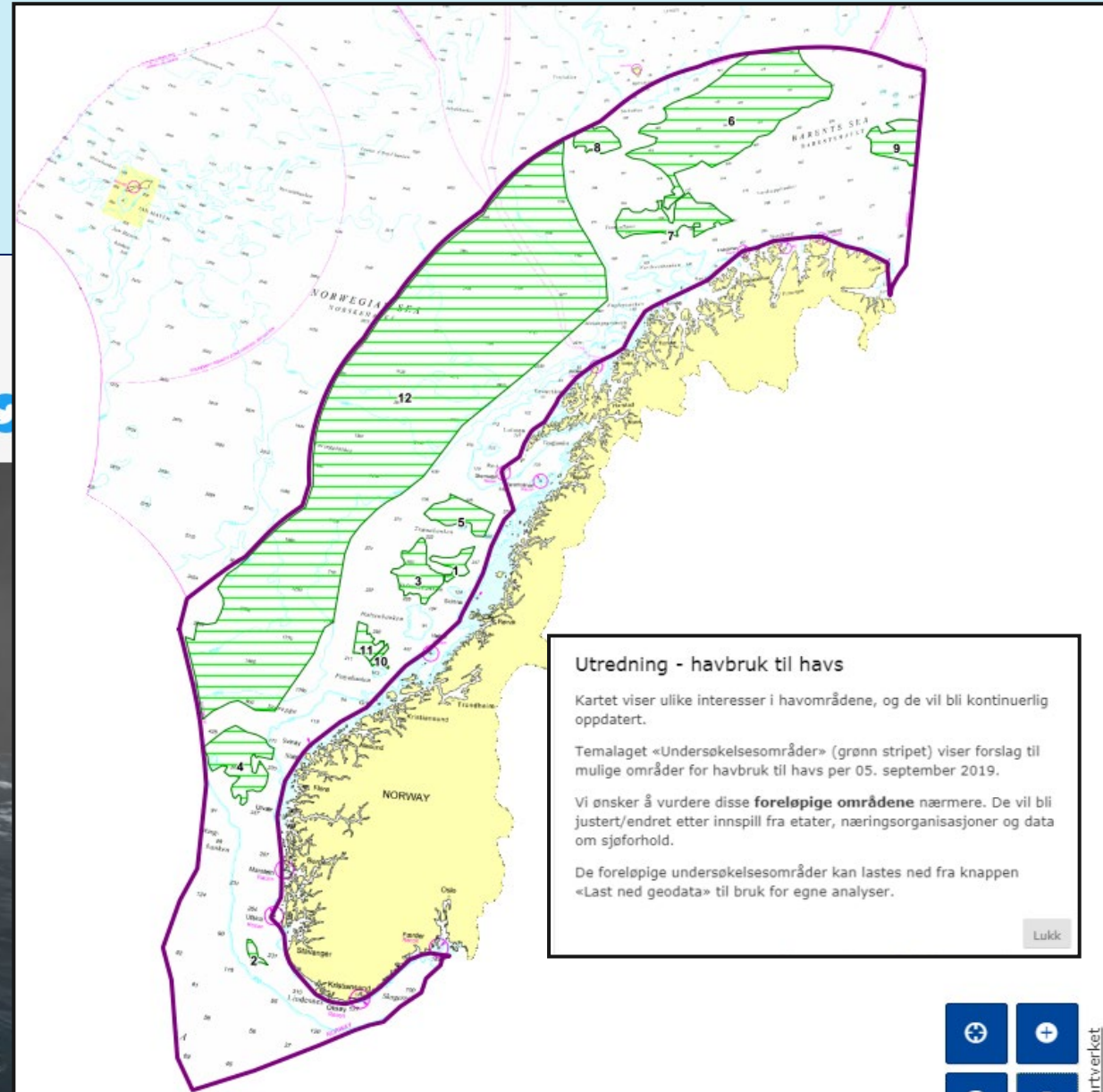


Offshore aquaculture

NRS satser stort på offshore oppdrettsanlegg



Arctic Offshore Farming er et halvt nedsenkbart offshore oppdrettsanlegg som er dimensjonert for værharde områder. Illustrasjonsf





Offshore wind power plants:

- Mai 2022: The government decided to allocate enough sea areas to develop 30 GW offshore wind power plants by 2040.
- Until now less than 0,1 GW is installed.
- What will this lead to for the fish stocks, the fishing industry, the national economy and the CO₂-emissions (overall)?



Foto: Jan Henrik Sandberg

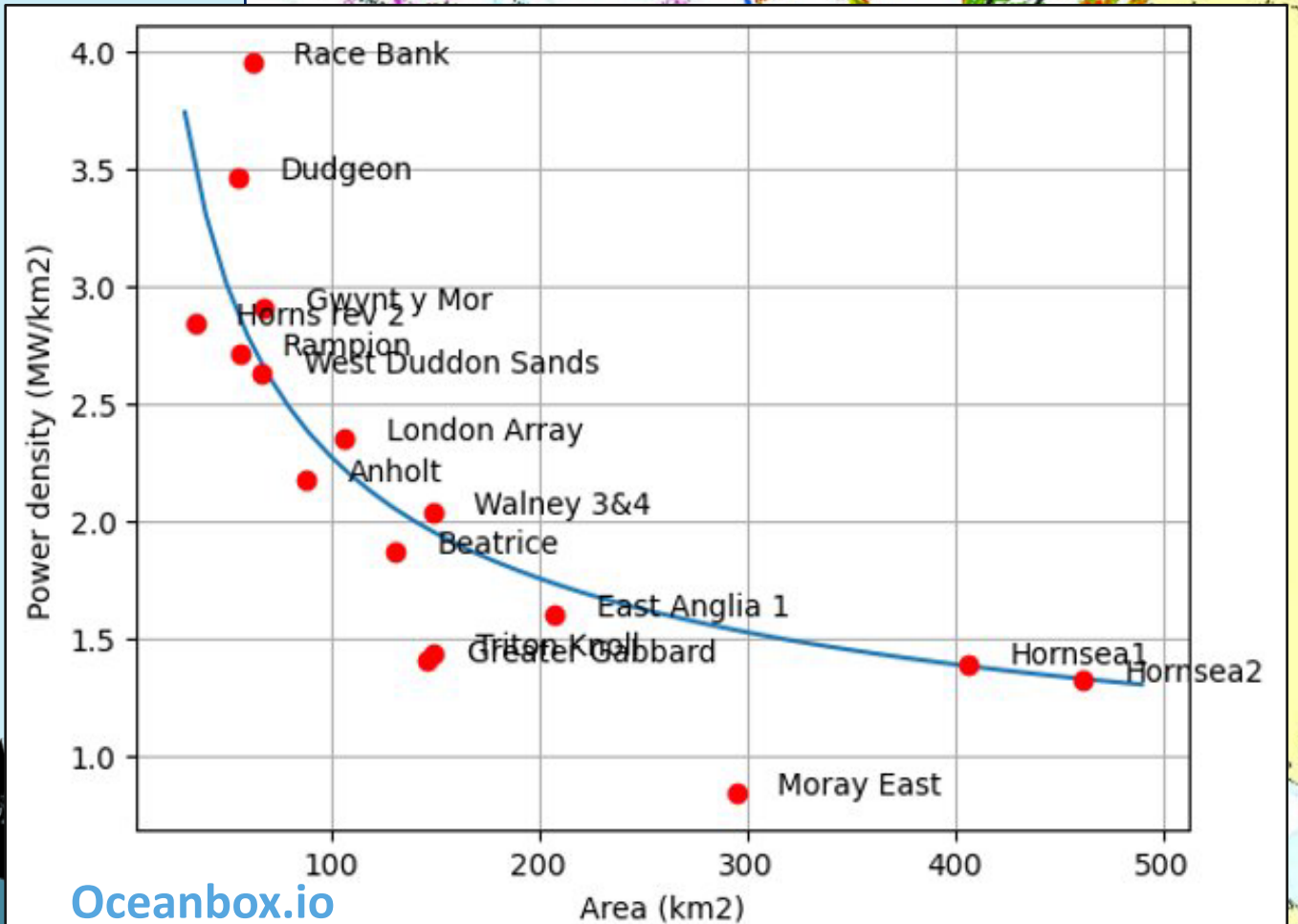
- Offshore wind turbines, both bottom-fixed and floating turbines, are often placed in relatively shallow sea areas.
- These shallow areas are usually also our most important fishing-grounds and spawning areas.
- Spawning and fishing grounds can't be moved to other places...





Offshore wind power plants seems to need much more space than expected..

- It has been assumed that 30 GW of offshore wind power could be developed in an area at about 5,000 km².
- Last week the authorities proposed to investigate 54,000 km² for wind power development...





Future spatial squeeze...?

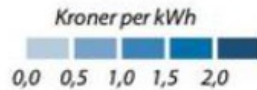
Derfor er strømprisene så høye

Høye strømpriser i resten av Europa er med på å presse prisene opp i Norge. Tirsdag ble det satt ny døgnrekord i deler av Norge.

HER VAR STRØMMEN DYREST TIRSDAG

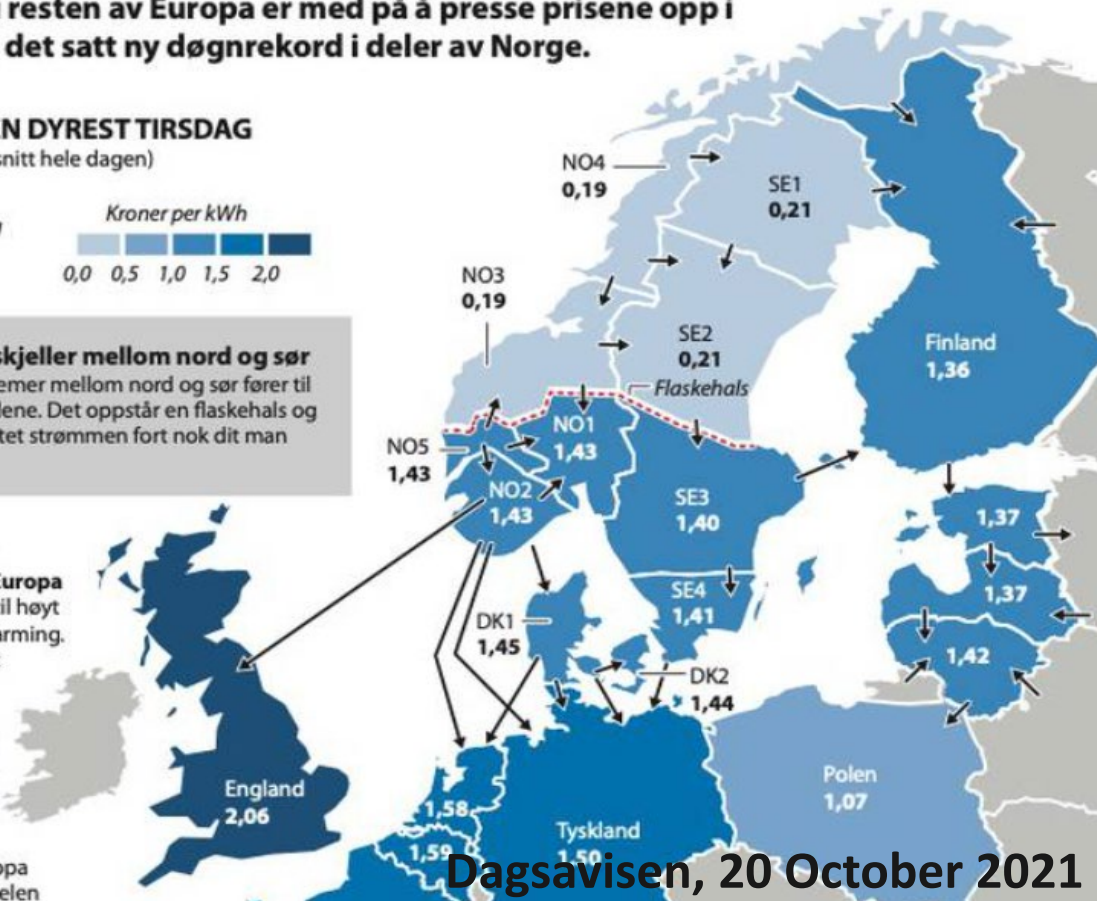
Kroner per kWh (gjennomsnitt hele dagen)

↓ Strømmens retning
(import/eksport)



Store prisforskjeller mellom nord og sør
Kapasitetsproblemer mellom nord og sør fører til de store forskjellene. Det oppstår en flaskehals og man får ikke flyttet strømmen fort nok dit man ønsker.

Norge påvirkes av dyre strømpriser i resten av Europa
Den kalde vinteren førte til høyt forbruk av strøm til oppvarming. Lite nedbør resten av året har ført til mindre vann i magasinene enn vanlig. Globalt er økonomien på vei opp etter pandemien. Derfor har prisen på brensel og CO2 økt kraftig, noe som igjen presser strømprisen i Europa opp. Den store etterspørselen



Dagsavisen, 20 October 2021

- All wind power companies that operates in Norway seem to be interested in building offshore wind power plants **south of Bergen**.
- Export cables (hybrid cable network) will be an additional challenge.
- It's obvious that the biggest "spatial squeeze" in our waters will occur in the North Sea.



More detailed information is to be found at www.barentswatch.no/en/



The screenshot shows the BarentsWatch website with a dark blue header. The logo features a stylized wave and the text "BarentsWatch" with a "10 YEARS!" banner. Navigation links include "Norsk" and "My page" with a search bar. A menu bar contains "ARTICLES", "SERVICES", "PARTNERS", "VIDEOS", and "ABOUT US". The main content area has four cards: "Wave Forecast" (with a boat icon), "Fishhealth" (with a fish icon), "FishInfo" (with an anchor icon), and "NAIS" (with a ship icon). A footer contains three more items: "The Marine Spatial Man..." (with a book icon), "ArcticInfo" (with a polar bear icon), and "Fishery activity" (with a ship icon).

GREENLAND

Norsk | My page

BarentsWatch 10 YEARS!

ARTICLES SERVICES PARTNERS VIDEOS ABOUT US

Wave Forecast
Wave forecast for particularly vulnerable areas and stretches along the Norwegian coast.

Fishhealth
Weekly overview including salmon lice, diseases and countermeasures down at locality level.

FishInfo
See fishing relevant map information from Norwegian authorities and download files for use in chartplotter.

NAIS
Show ship locations in Norwegian waters.

The Marine Spatial Man...

ArcticInfo

Fishery activity

Thank you for your attention!



Foto: Remi Eilertsen