

## Marine protected areas – one component in ICZM

- The status of MPAs in Sweden
- Why is MPAs not sufficient?
- Planning scheme of Sweden
- Collaboration plans in valuable coastal and marine areas

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# Marine protected areas

- 20 Marine Nature reserves
- 1 marine National Park
- 2,5 % of Sweden's territorial waters.
- Uneven distribution
- Mainly coastal waters
- All sites have regulations and management plans






## Natura 2000

- Ca. 275 marine Natura 2000 sites with marine habitats reported
- Total protection ca 5 percent (6 percent in territorial waters and 3,5 percent in the EEZ)
- Only some few sites have marina regulations
- Most sites have management plans, but often standardized and sparse information about marine values.

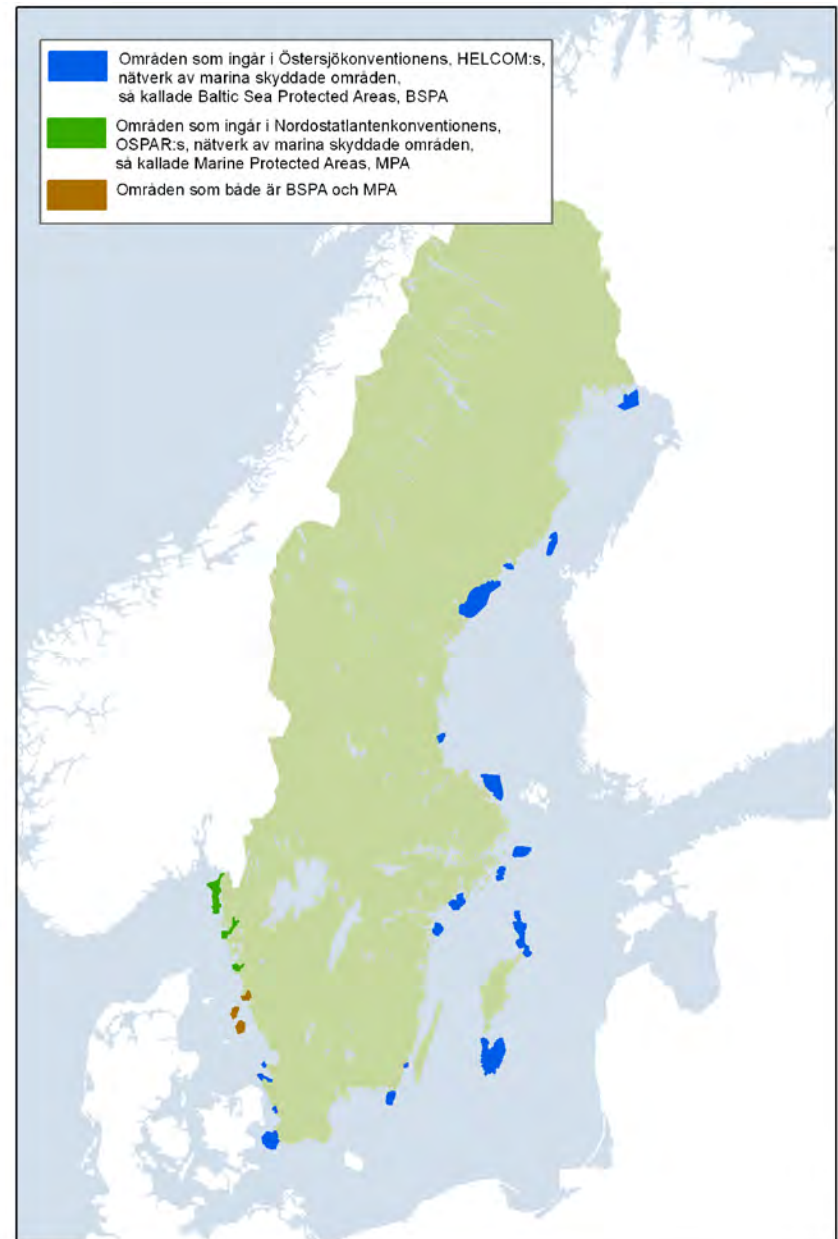


## International protection - OSPARs and HELCOMs MPA networks

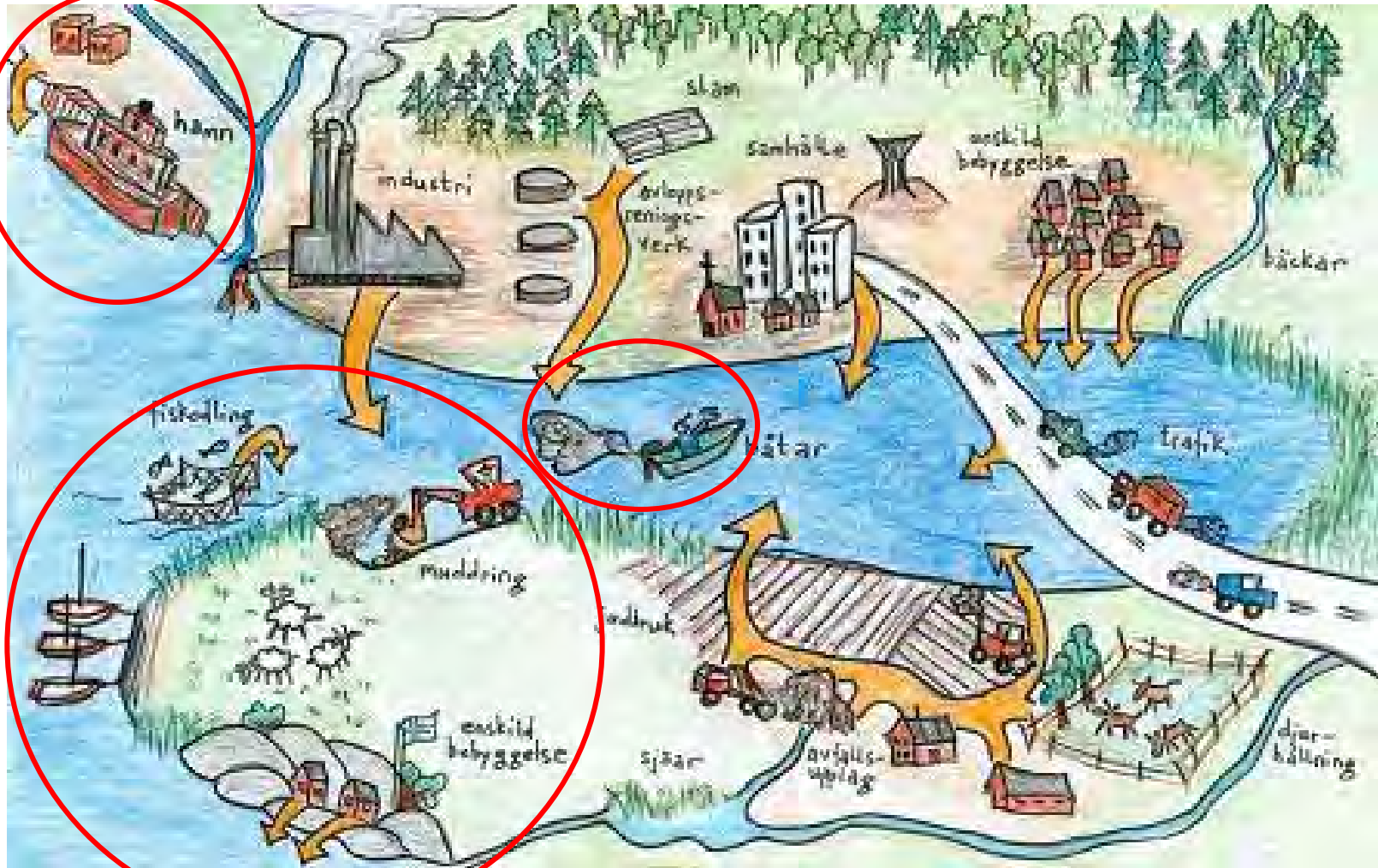
-  BSPA – Baltic Sea Protected Areas according to HELCOM
-  MPA – Marine Protected Areas according to OSPAR
-  Both BSPA and MPA

Protection through national legislation.

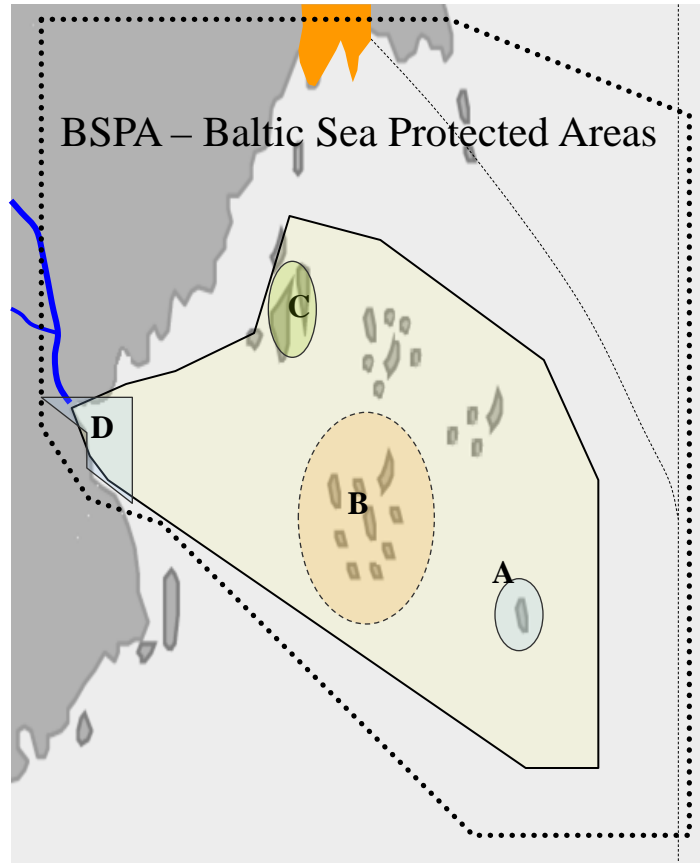
Management plans ready by 2010



# Why is MPAs not enough?



# Regulations, zoning and Watershed management



A= Seal sanctuary- no entry zone.

B = NR - Regulations to prohibit exploitations and dredging.

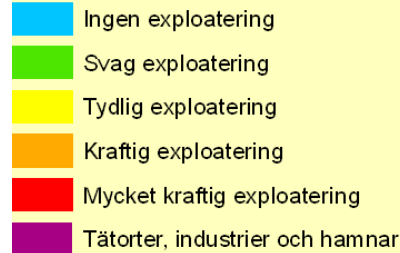
C = Important cultural and recreational area.

D = N2000 - Important spawning areas.

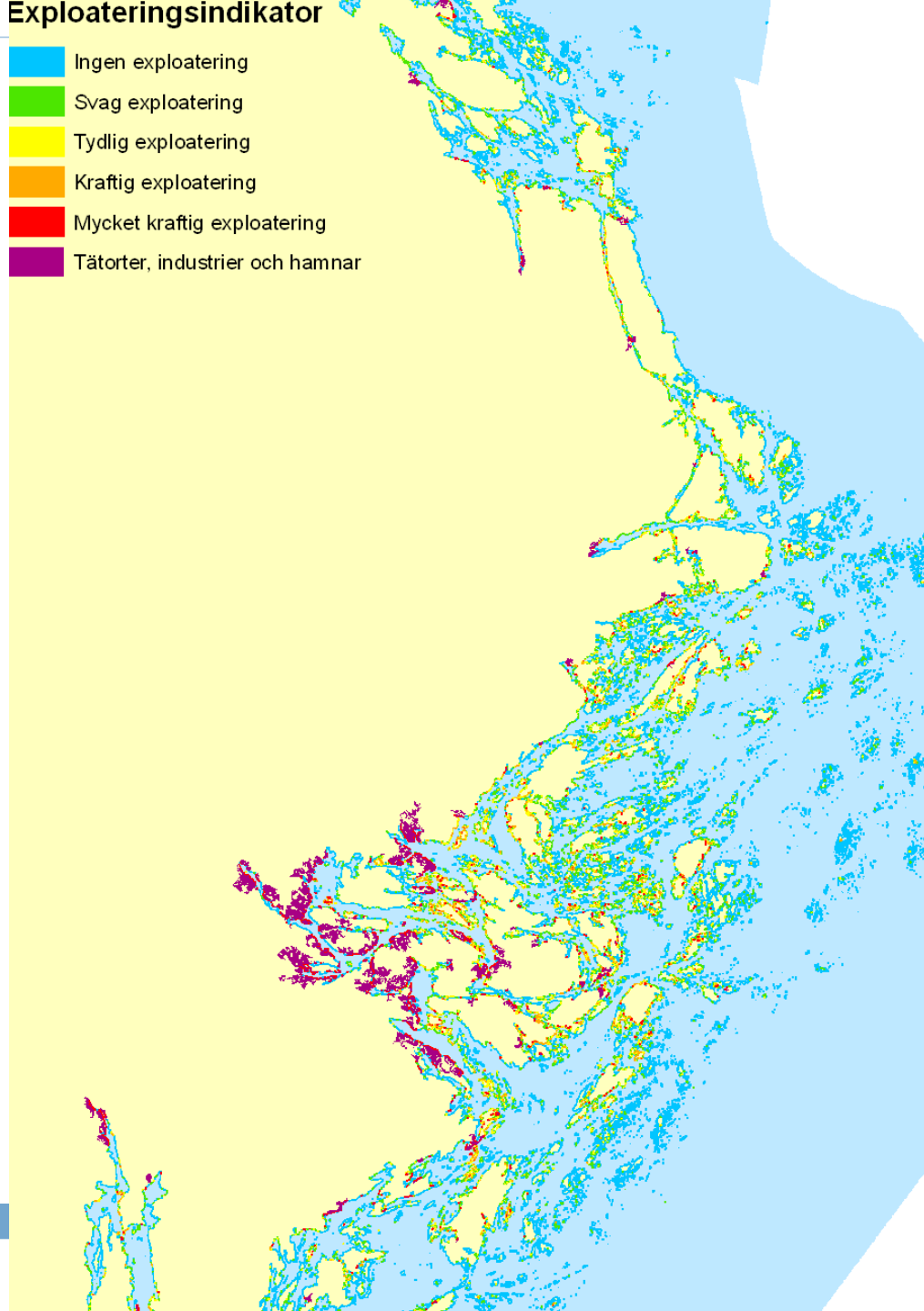
Area of influence on the protective marine values. Should be described and well managed or the MPA loose its purpose.

## Pir and harbour indicator

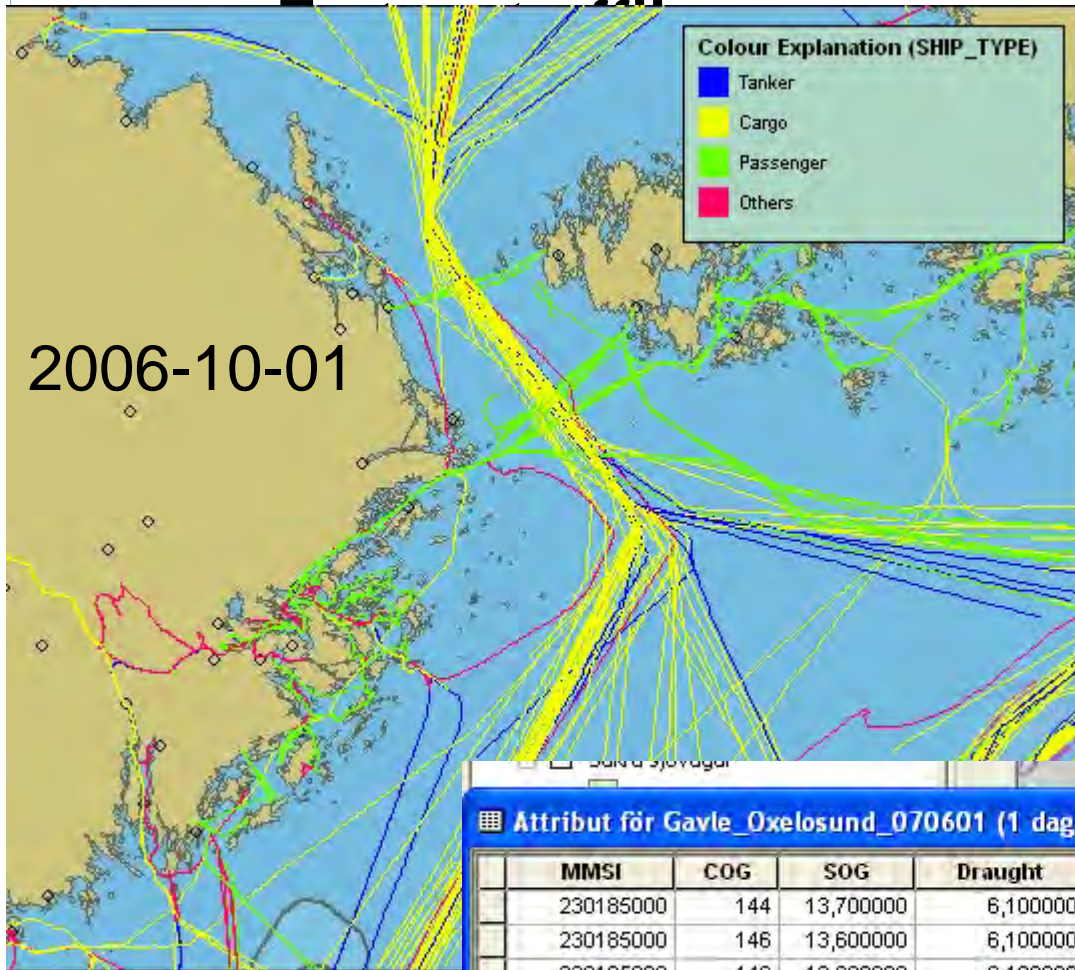
### Exploateringsindikator



- Mapped by aerial photographs
  - The density of bridges within 100 meter sections
  - Divided into five classes.



# Shipping



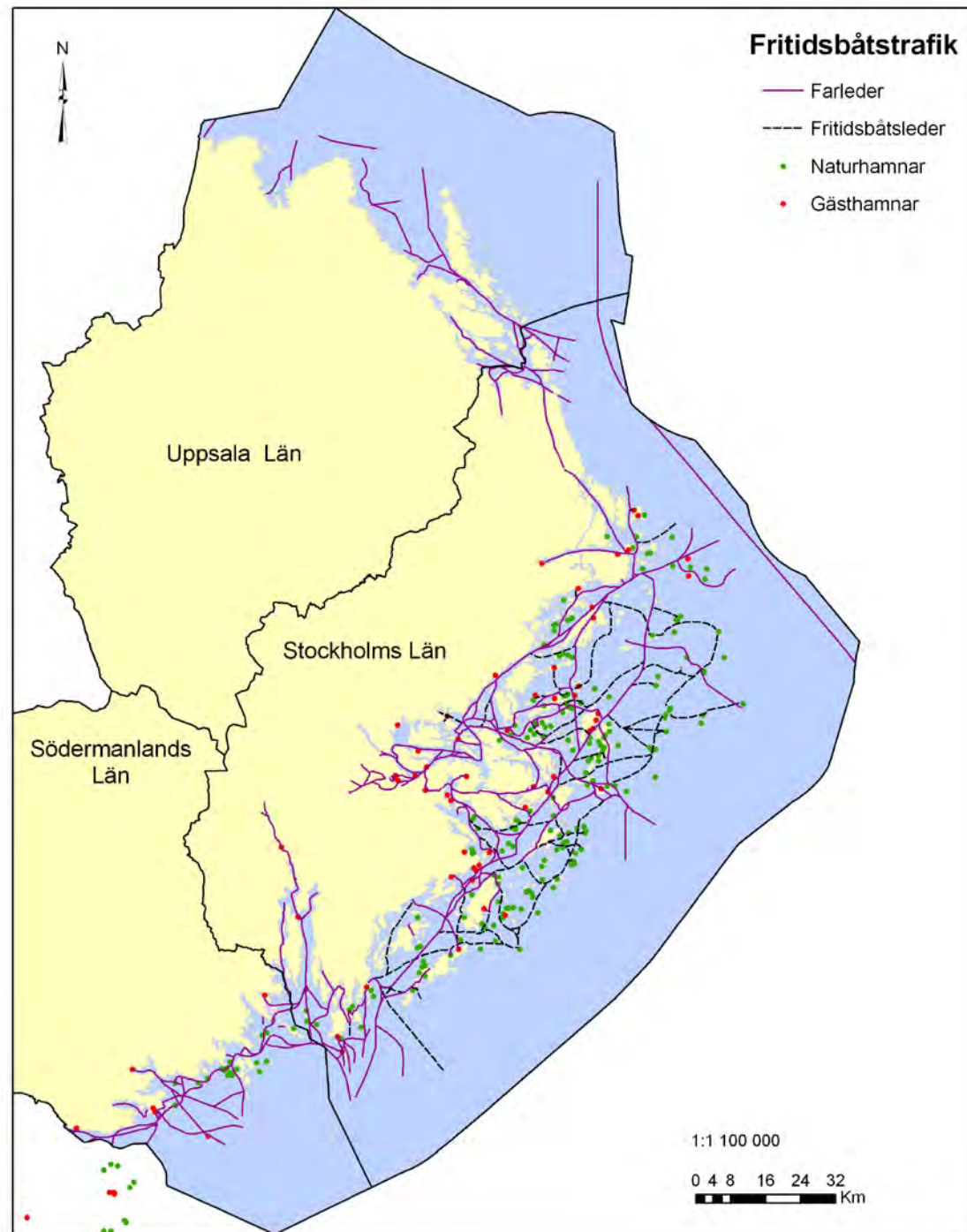
## RAIS:

- Track, speed
- Type of vessel
- Tonnage
- Name, captain

Attribut för Gavle\_Oxelosund\_070601 (1 dag)

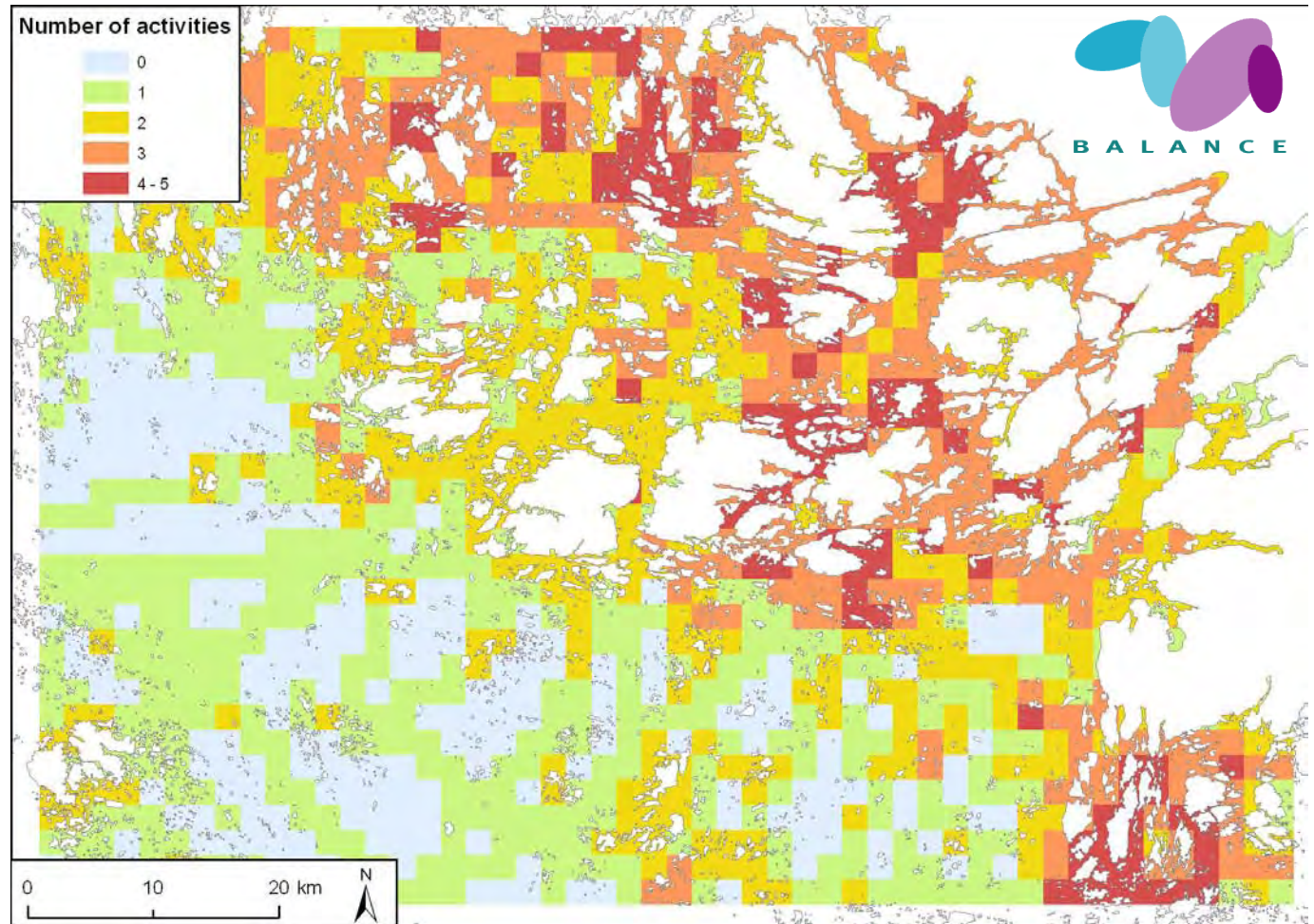
MMSI	COG	SOG	Draught	Length	Width	Time	Name	ShipTName
230185000	144	13,700000	6,100000	108	17	1180682739	MIMER	Cargo
230185000	146	13,600000	6,100000	108	17	1180682818	MIMER	Cargo
230185000	146	13,600000	6,100000	108	17	1180682829	MIMER	Cargo

# Recreational boating



# Overlapping use of marine areas is a serious problem in coastal Areas!

- Maritime traffic
- Infrastructure & Constructions
- Marine Conservation
- Professional Fishing
- Aquaculture
- Recreational fishing
- Hunting
- Dredging/Extraction/Mining
- Military activities



# HELCOM Marine Spatial Planning

- Layers
- Legend

## Legend

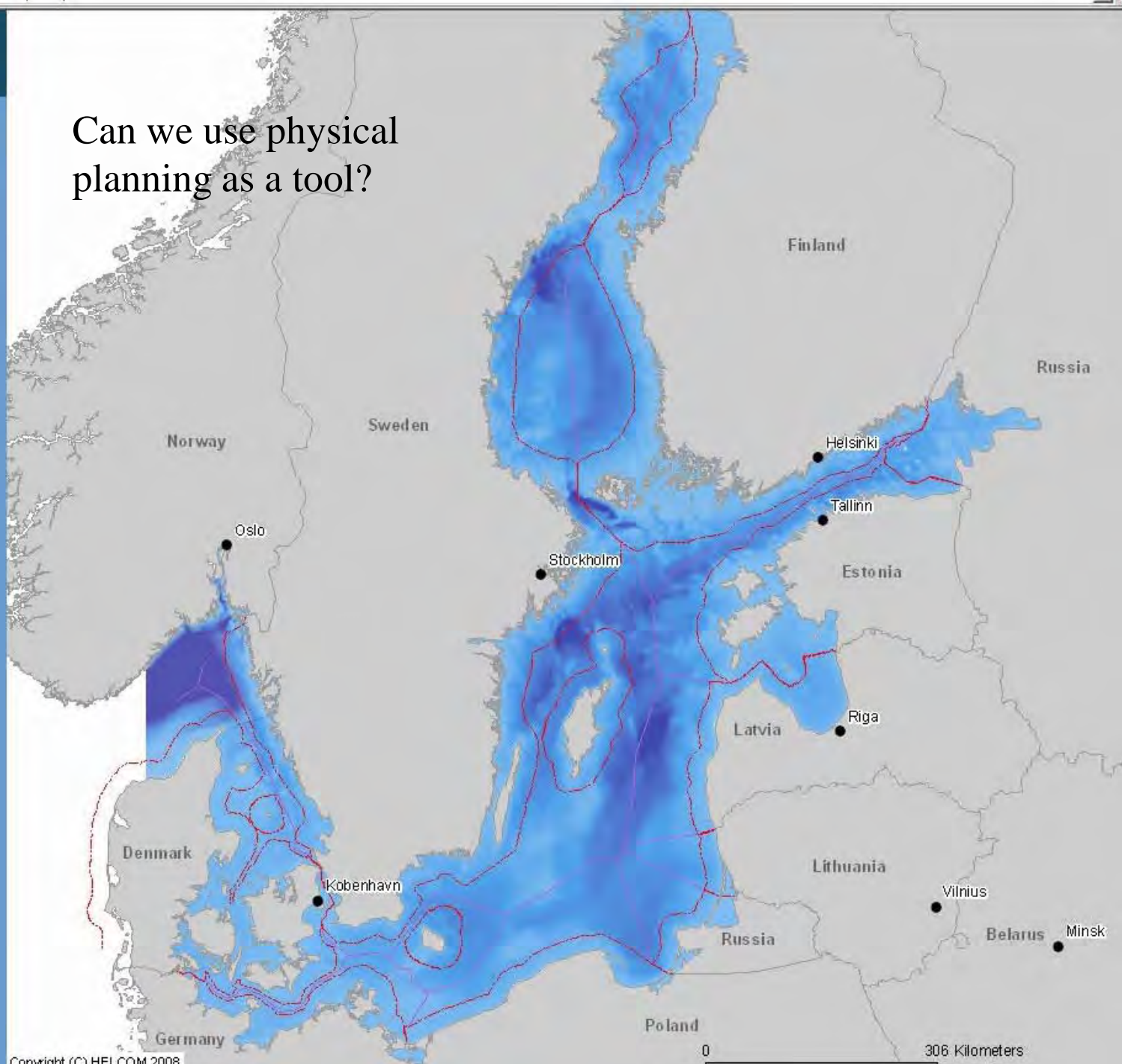
- Capital
- Countries (general)
- Territorial waters
- Exclusive Economic Zone

## Depth relief map

### Value

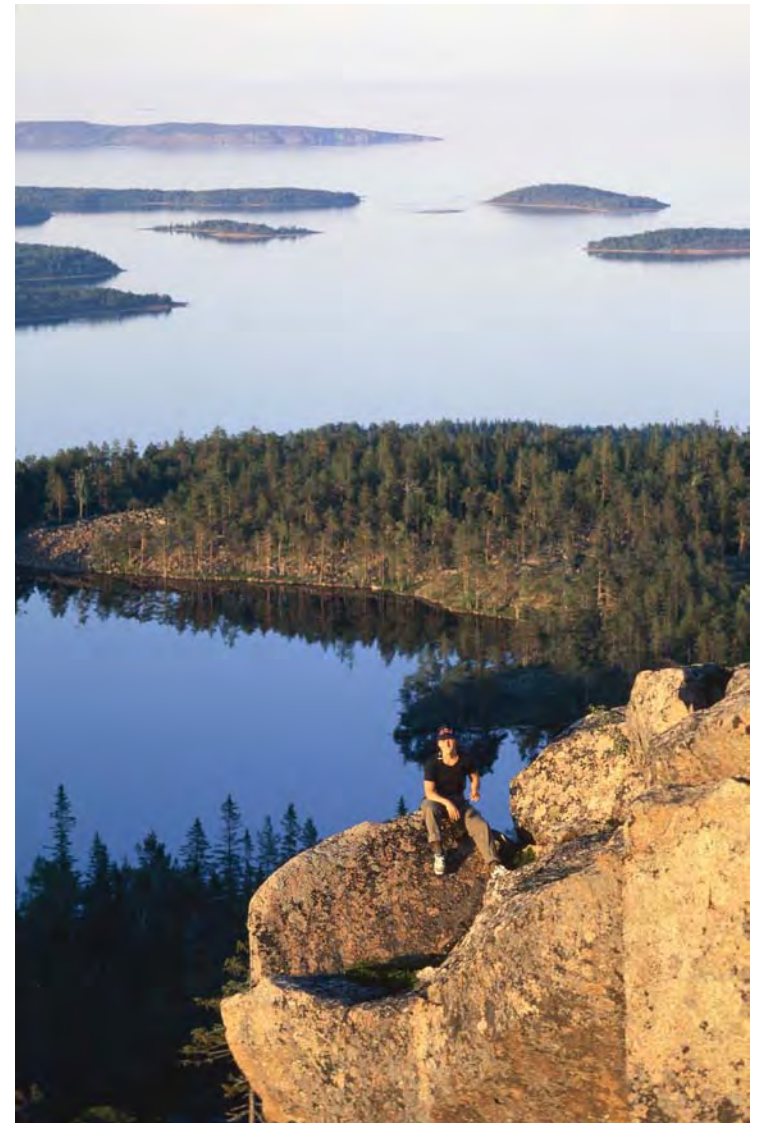
- High : 125.11
- Low : -698.481
- HELCOM Marine Area

Can we use physical planning as a tool?



## Defined needs

- Need of handling larger areas with many stakeholders and interests in a formalized manner.
- Need tools for adaptive management
- Acknowledged the need for less restrictive tools for management of larger coastal areas.
- Linkage between the implementation of the ecosystem approach and coastal physical planning and management.



## Collaboration plans

- Five Pilot projects
- Meet international recommendations and national environmental objectives
- Based on local management
- Use of existing legal frameworks and tools
- Acknowledge the need for planning

