



# IMPLEMENTATION OF MSPs IN THE BALTIC SEA

SUBMARINER Network for Blue Growth EEIG







# OUTLINE

## 1. Introduction Maritime Spatial Plans

## 2. Implementation of MSPs

- Sectors/Uses
- Zones
- Responsibilities

## 3. Monitoring & Evaluation

## 4. Future Development

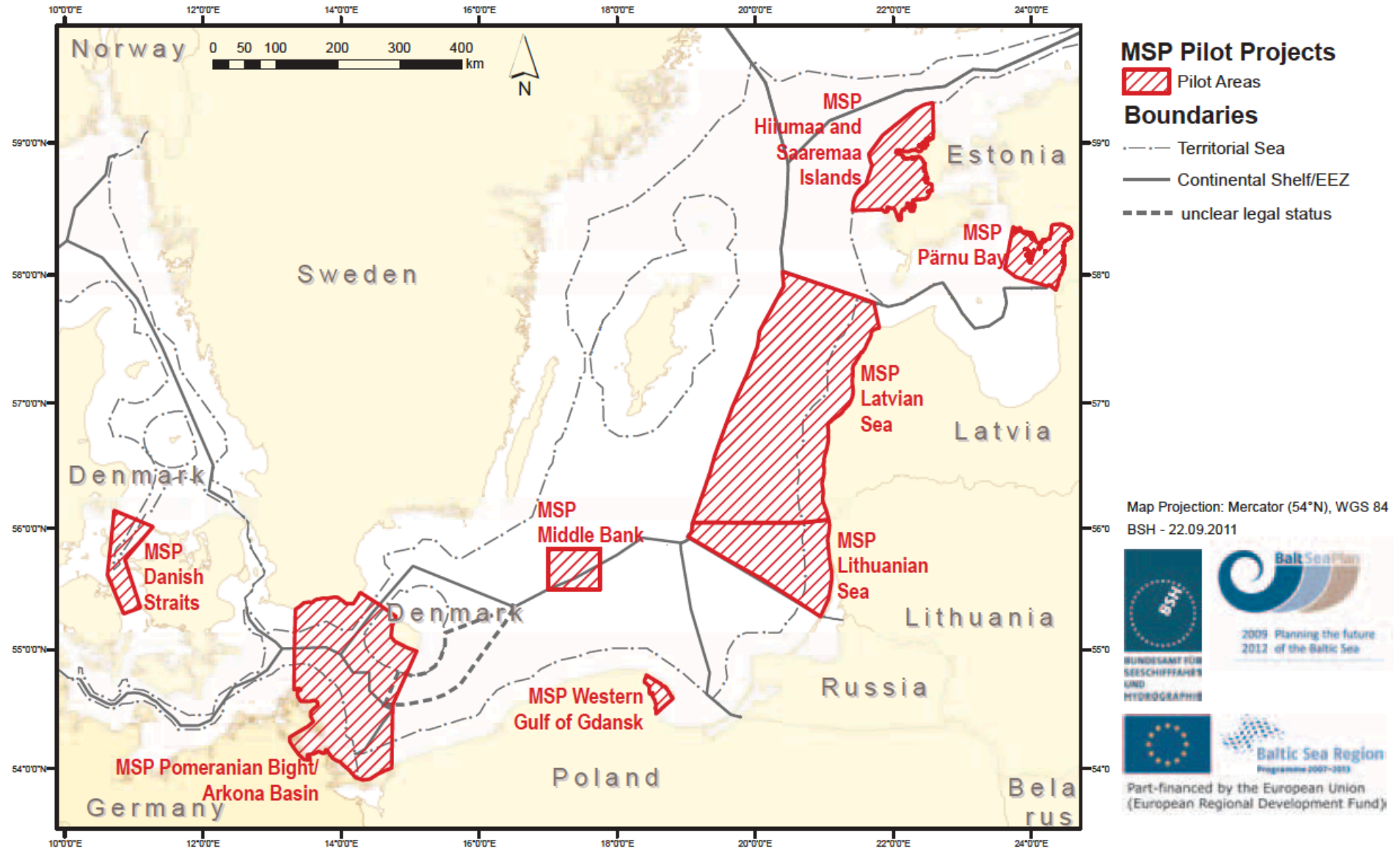






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# MSP in the Baltic Sea by 2011



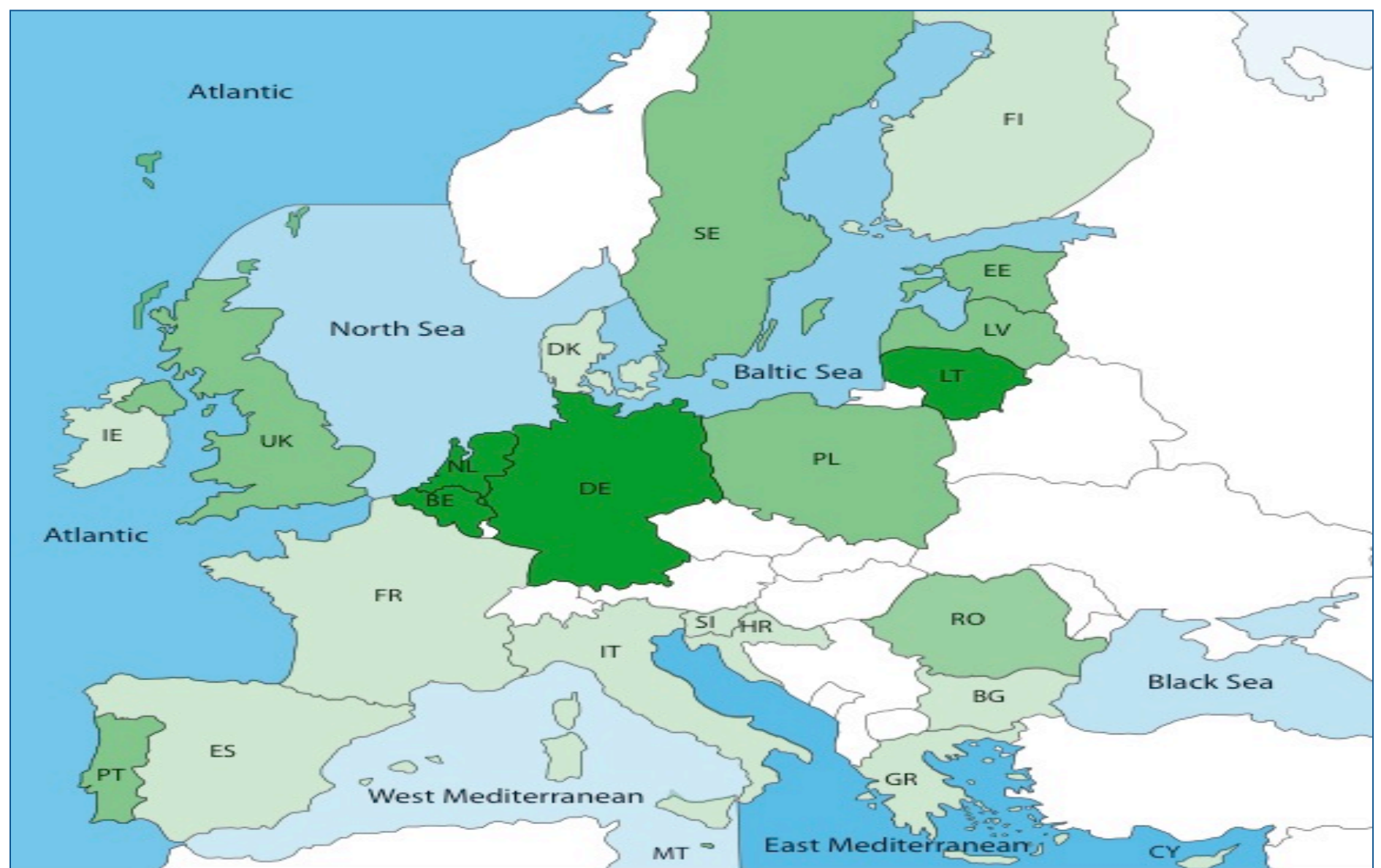




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# MSP in the Baltic Sea by 2014

4



MSP legislation in the EU (as of September 2014)

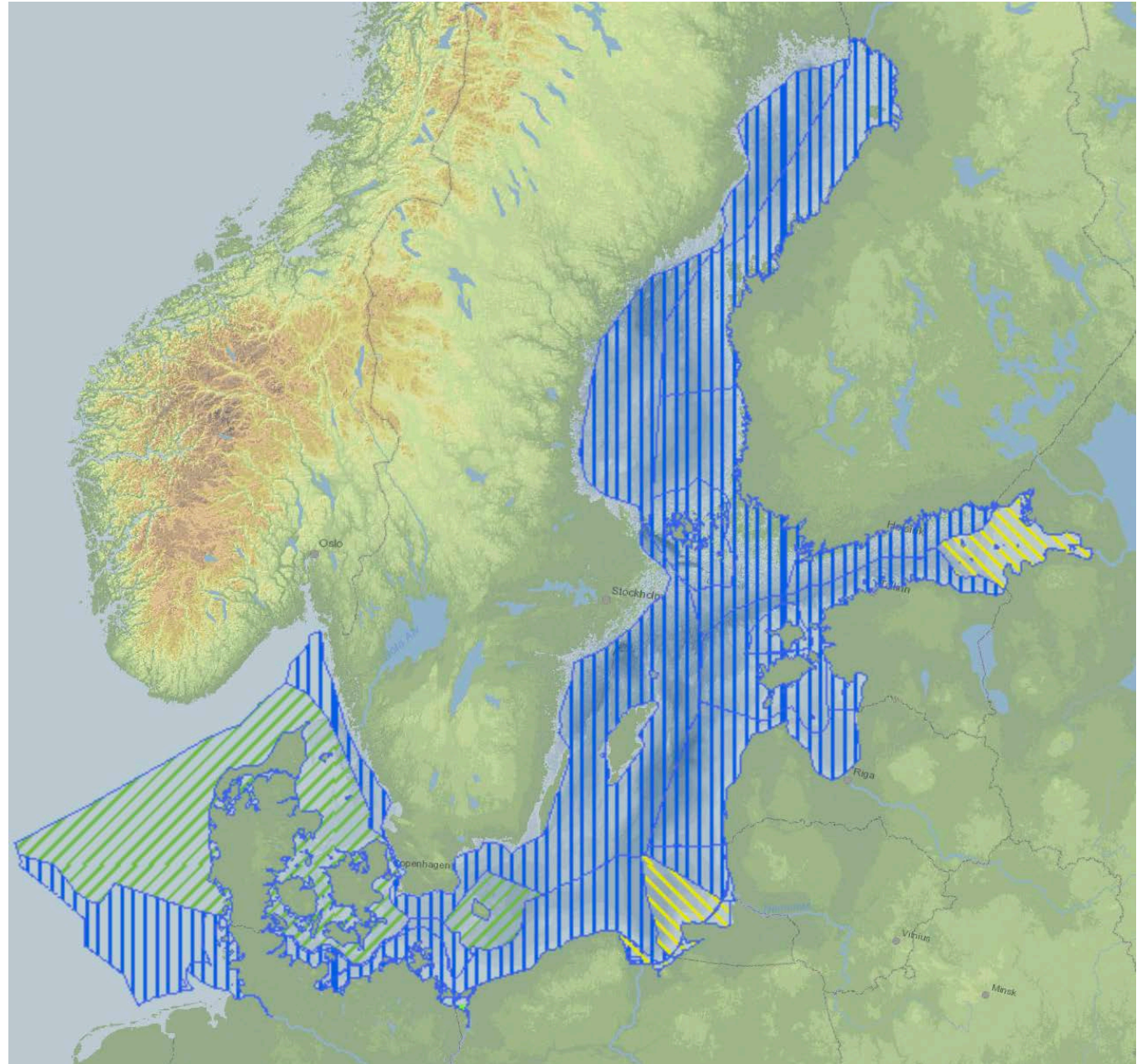
- MSP legislation in place and MSP implemented (territorial waters+EEZ )
- MSP legislation in place but MSP is not (comprehensively) implemented
- No MSP legislation in place
- Other countries





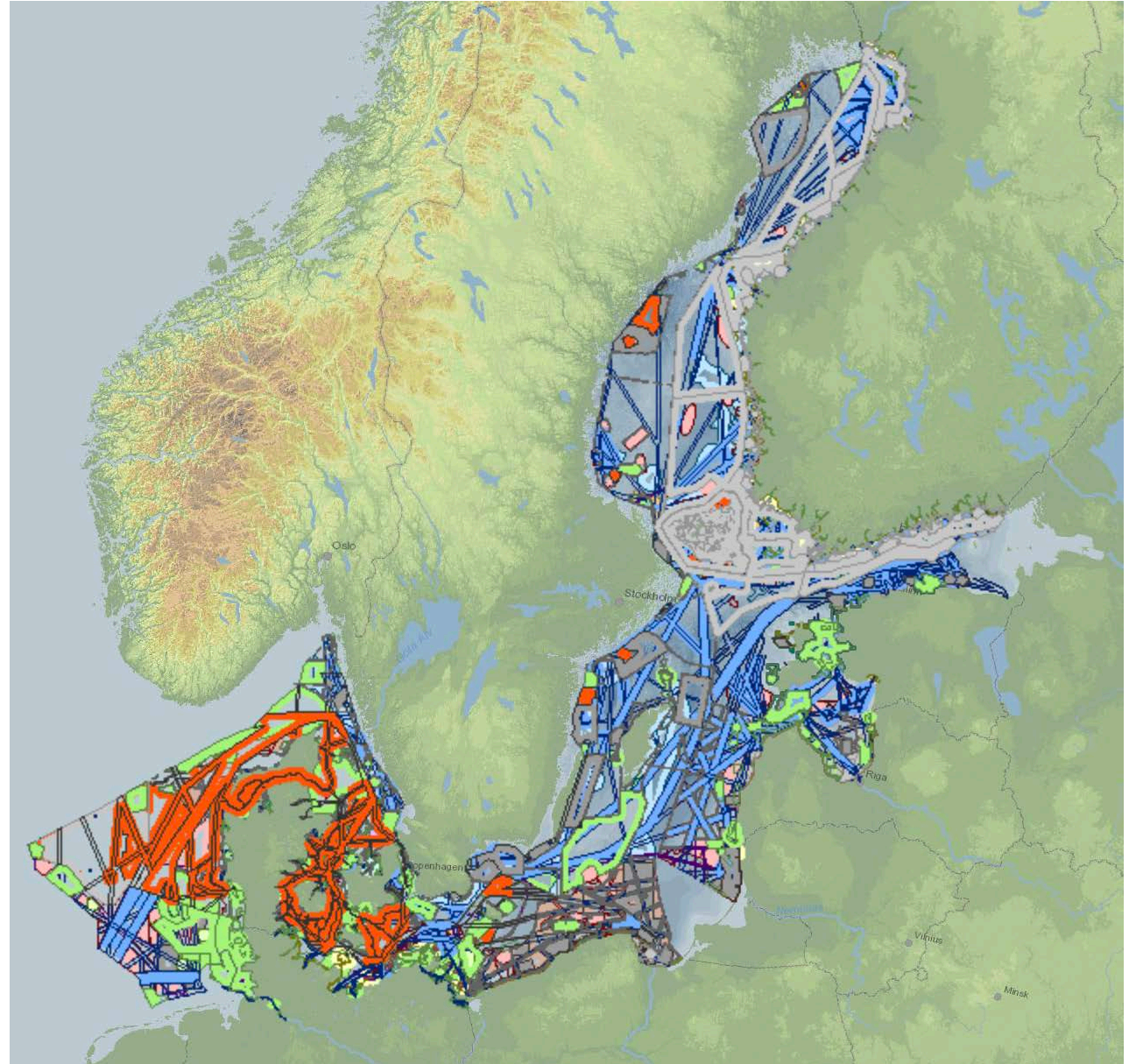
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# MSP in the Baltic Sea by 2022





**But ... not only that they look different**



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**MSP in the  
Baltic Sea  
by 2022**



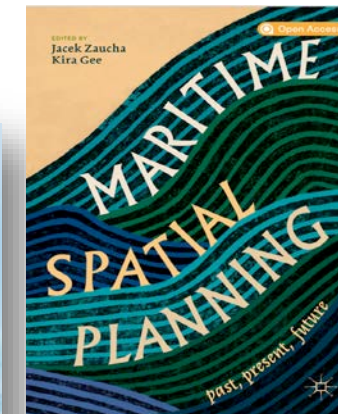
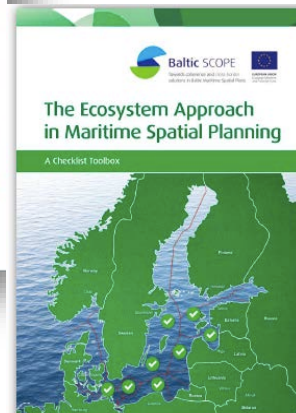
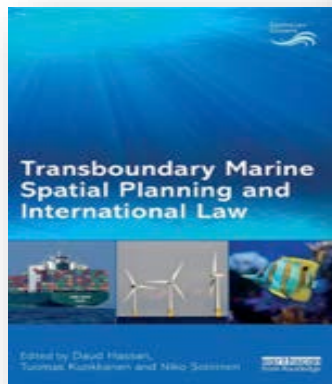
# Not so much known, what this means ...

Almost all projects / studies / articles / tools / methods so far concentrated on

## How MSPs are prepared



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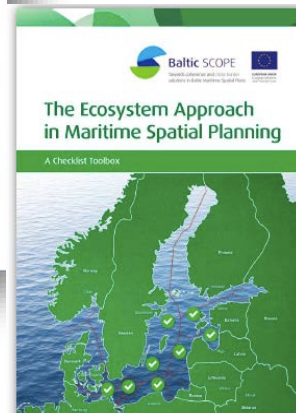
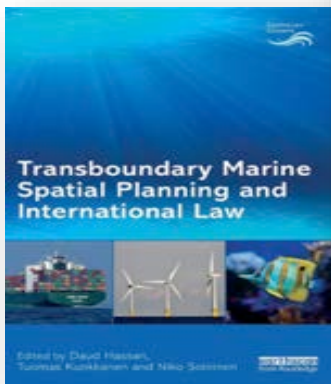
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Almost all projects / studies / articles / tools / methods so far concentrated on  
**How MSPs are prepared**

**But hardly any information on their actual implementation**



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# Not so much known, what this means ...

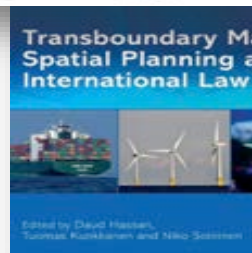
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**How MSPs are prepared**

**But hardly any information on their actual implementation**

Thus here a short introduction ....



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# Support to MSP Roadmap







# Regional Maritime Spatial Planning Roadmap 2021-2030



Joint actions to support implementation and follow-up of the MSPs in relation to the regional MSP framework:

**1.1** Develop a guiding framework to support harmonized evaluation of MSPs, including a set of definitions:

— *Output: BSR evaluation framework for MSPs; common set of general definitions (“Implementation”, “Knowledge Base”, “MSP Cycle”, “Coherent MSP”, “monitoring, assessment, evaluation”, etc.), year 2023.*

**1.2** Develop and share a concise and descriptive overview on national plans’ implementation (what does implementation mean in different countries; where/when do they impact on decisions on certain projects, spatial and temporal management of activities etc.):

— *Output: overview on national MSPs implementation, if possible, inclusion in established country fiches that would have a dedicated section, 2025 and 2028.*



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## Report on Implementation, Monitoring and Evaluation Mechanisms for MSPs in the Baltic Sea Region

November 2021







## 2. Which uses taken into account?

### Article 8.2 EU MSP Directive

1. aquaculture areas,
2. fishing areas,
3. installations and infrastructures for the exploration, exploitation and extraction of oil, of gas and other energy resources, of minerals and aggregates, and for the production of energy from renewable sources,
4. maritime transport routes and traffic flows,
5. military training areas,
6. nature and species conservation sites and protected areas,
7. raw material extraction areas,
8. scientific research,
9. submarine cable and pipeline routes,
10. tourism,
11. underwater cultural heritage.



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## 2. Which uses taken into account?

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-  Aquaculture area
-  Fishing area
-  Coastal protection area
-  Rawmaterial extraction area
-  Underwater cultural heritage area
-  Tourism areas
-  Installations and infrastructures
-  Submarine cables and pipelines
-  Maritime transport areas
-  Military areas
-  Scientific research areas
-  Nature conservation area
-  Reservation for undefined activities or areas of general use
-  More than one sea use areas
-  Other uses





## 2. Implementation of MSPs | Uses



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Table 2: Sectors / uses mentioned in Article 8.2 of the EU MSP Directive

Countries:	DK	DE		PL	LT	LV	EE	FI	SE
		EEZ	MV						
<b>Sectors / Uses:</b>									
General Use	X				X	X			X
Shipping Routes	X	X	X	X	X	X	X	X	X
Energy: OWF	X	X	X	X	X	X	X	X	x
Energy: Oil & Gas	x <sup>13</sup>			X		x <sup>14</sup>	X		X
Energy: Wave						x <sup>14</sup>			
Cables	X	X	X	x <sup>15</sup>	X	X	X	X	X
Pipelines	X	X	X	x <sup>15</sup>	X		X	X	
MPAs	X	X	X	X	X	X	X	X	X
Fishing		x <sup>16</sup>	X	X	X		X	X	X
Aquaculture	X	x		X		x <sup>13</sup>	X	X	
Fish	X					x <sup>13</sup>	X	X	
Shellfish	X					x <sup>13</sup>	X		
Algae						x <sup>13</sup>	X		
Defense / Military Training	X	X			X	X	X		X
Raw Material Extraction	X	X	X	X	X	x <sup>13</sup>			X
Marine Culture							X	X	X
Underwater Cultural Heritage		x		X	X	x <sup>13</sup>	X	x	
Tourism and Recreation		x	X	X	X		x	X	X
Scientific Research		X		X					





## 2. Uses NOT mentioned in EU MSP Directive

### Article 8.2 EU MSP Directive

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Uses	Countries
Diving	Latvia (considered)
Sea Rescue, Pollution, Boarder Guard	Estonia
Dumping	Estonia, Latvia (considered)
Natural resources	Estonia
CO2 storage	Denmark
Compensation Excavation	Denmark
Land Reclamation	Denmark
Protective Measures for Aviation	Denmark, Germany EEZ (considered)
Multi-Functional Use	Poland, Germany EEZ (considered)
Energy / Artificial Islands	Denmark, Poland
Specific Coordination Areas	Finland
TEN-T Ports and Ports	Finland, Germany MV
Special Areas	Finland
Maritime Industry	Finland
Archipelago	Finland
Coastal protection	Poland, Latvia
Space Reserved for Future Use	Poland
Environmental Conditioned Local Development	Poland
Investigation areas: Energy Extraction	Sweden
Investigation areas: Sand Extraction	Sweden
Investigation areas: Maritime Shipping	Sweden
Connections	Finland



## 2. Uses NOT mentioned in EU MSP Directive

### Article 8.2 EU MSP Directive

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Uses	Countries
Diving	Latvia (considered)
Sea Rescue, Pollution, Boarder Guard	Estonia
Dumping	Estonia, Latvia (considered)
Natural resources	Estonia
CO2 storage	Denmark
Compensation Excavation	Denmark
Land Reclamation	Denmark
Protective Measures for Aviation	Denmark, Germany EEZ (considered)
Multi-Functional	
Energy /	
Specific	
TEN-T P	
Special /	
Maritime	
Archipel	
Coastal	
Space R	
Environ	
Investiga	
Investiga	
Investigation areas: Maritime Shipping	Sweden
Connections	Finland

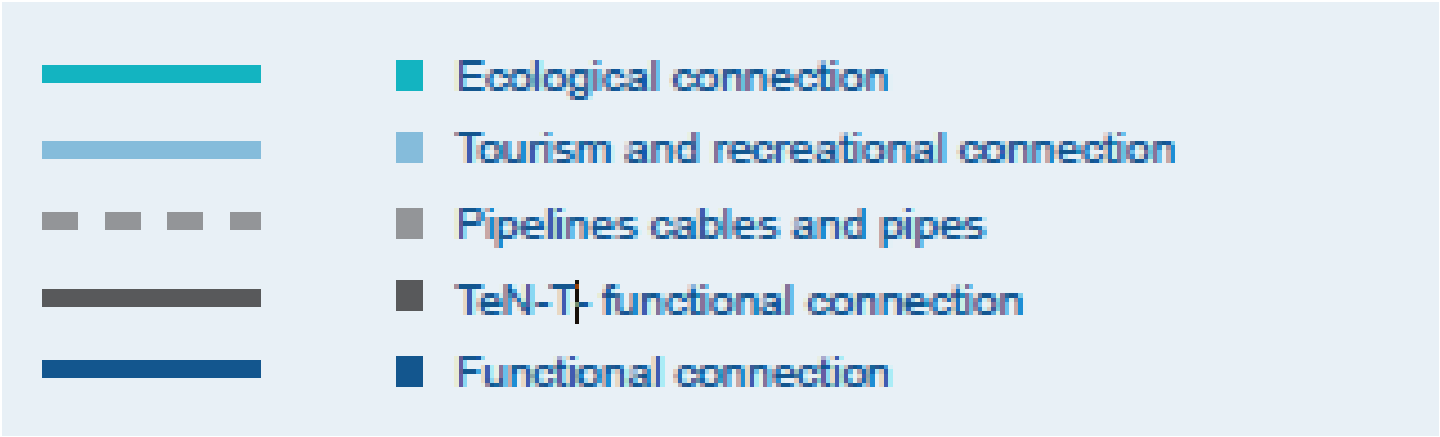


Figure 2. Finland: Connections shown in MSP



## 2. Implementation of MSPs | Designations

DE

DK

EE

FI

LT

LV

PL

SE



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Nature Conservation

MPA

Shipping Routes



OWF



- some existing, some licensed; some for 'suitable areas'; some 'investigation areas'
- sometimes EA done by state / sometimes need to be done by interested companies
- sometimes OWF ONLY possible in these mapped areas / sometimes ALSO possible in areas outside

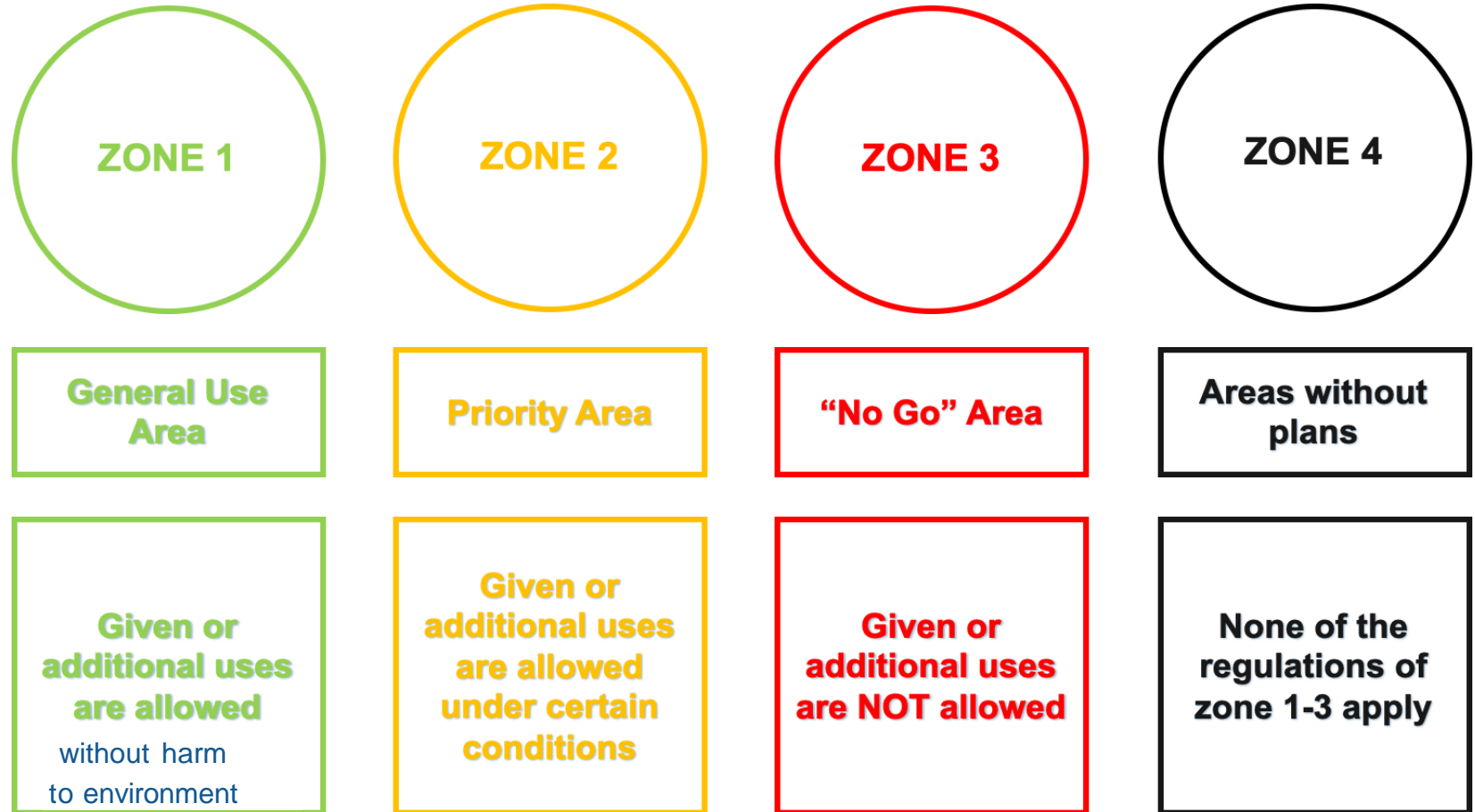
**NOT immediately visible in MSPs!**





## 2. What kind of zones?

positive (plan) / negative designations (explanation)







## 2. What kind of zones?

positive (plan) / negative designations (explanation)



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- ☐ Priority Sea Use
- ☐ Reserved Sea Use
- ☐ Allowed Sea Use
- ☐ Restricted Sea Use
- ☐ Forbidden Sea Use



ZONE 1

General Use  
Area

Given or  
additional uses  
are allowed

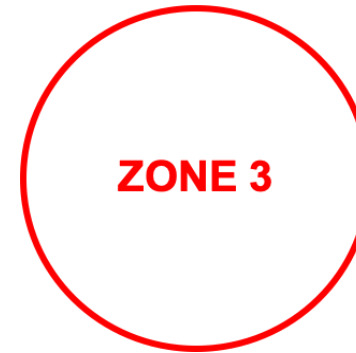
without harm  
to environment



ZONE 2

Priority Area

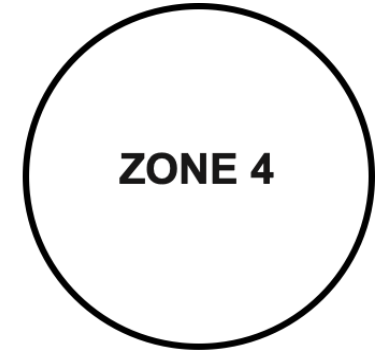
Given or  
additional uses  
are allowed  
under certain  
conditions



ZONE 3

"No Go" Area

Given or  
additional uses  
are NOT allowed



ZONE 4

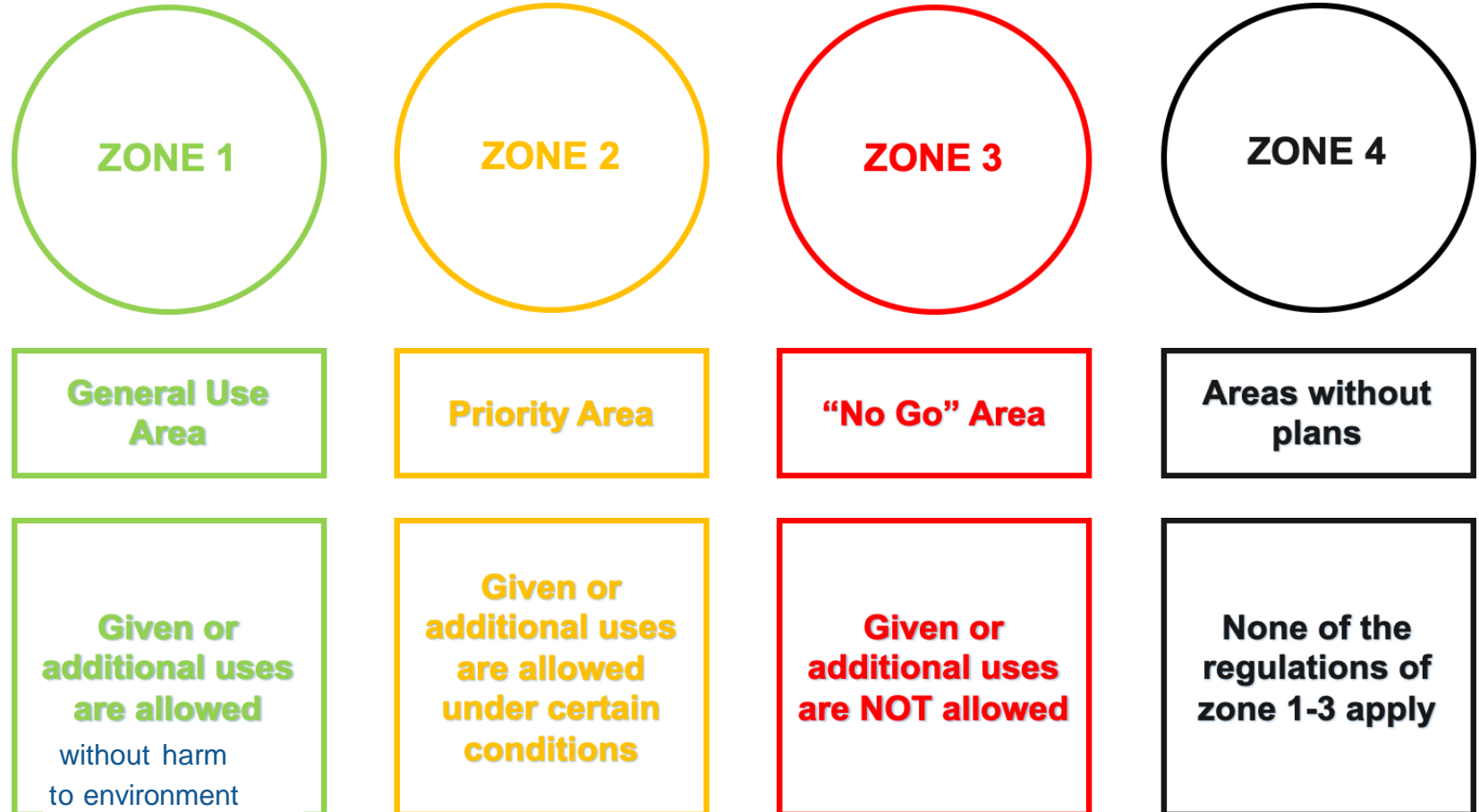
Areas without  
plans

None of the  
regulations of  
zone 1-3 apply



## 2. What kind of zones?

positive (plan) / negative designations (explanation)



- Not all sectors have areas, where they are granted priority status
- In all countries, fishery and shipping permitted everywhere – UNLESS specifically noted
- Germany also has temporal restrictions (i.e. specific season or only until a given year)



## 2. Implementation of MSPs | Zones

Different zoning systems

DE

DK

EE

FI

LT

LV

PL

SE



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### ZONES

Priority areas

Shipping routes,  
Offshore wind  
Nature protection

No use is allowed that would  
significantly constrain the use of the  
priority area



## 2. Implementation of MSPs | Zones

### Different zoning systems

Table 5: Designations for Sectors covered by the Polish MSP

Sectors for which Poland has assigned priority areas are:	Sectors, which are subsequently allowed in some areas include:
<ul style="list-style-type: none"><li>○ Ports and haven functioning;</li><li>○ Environment and nature conservation</li><li>○ National security and defense;</li><li>○ Coastal protection;</li><li>○ Acquiring renewable energy;</li><li>○ Exploration, prospecting and extraction of mineral resources;</li><li>○ Space reserved for future use;</li><li>○ Space reserved for future use with extraction allowed.</li></ul>	<ul style="list-style-type: none"><li>○ Fisheries;</li><li>○ Transportation;</li><li>○ Aquaculture;</li><li>○ Scientific research;</li><li>○ Cultural heritage;</li><li>○ Technical infrastructure;</li><li>○ Artificial islands and structures;</li><li>○ Tourism, sport and recreation;</li><li>○ Environmentally conditioned local development;</li><li>○ Multi-functional economic growth.</li></ul>

PL

95 sub areas with one priority use

Example:

- Priority zone for national security and defense
- Allowed use: tourism, ports and recreation



## 2. Different Meaning of Zones

GENERAL USE ZONE

DE

DK

EE

FI

LT

LV

PL

SE



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GENERAL USE ZONES B

Any use allowed  
(which do not impede nature)



## 2. Different Meaning of Zones

GENERAL USE ZONE

DE

DK

EE

FI

LT

LV

PL

SE



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### GENERAL USE ZONES A

Not open for uses, for which  
specific development zones  
are already established

### GENERAL USE ZONES B

Any use allowed  
(not impede nature)



## 2. Different Meaning of Zones

### GENERAL USE ZONE

DE

DK

EE

FI

LT

LV

PL

SE



CAPACITY4MSP

### GENERAL USE ZONES A

Not open for uses, for which  
specific development zones  
are already established

#### Development zones

Ah Marine aquaculture

Ak Cultivation and transplantation banks for the production of shellfish

Ao Farming of shellfish in the water column

Ec CO<sub>2</sub> storage

Ei Renewable energy and energy islands

Eo Oil and gas exploration and extraction

Ev Renewable energy

Ib Specific transport infrastructure projects

R Natural resource extraction

Figure 3. Denmark: Development zones



## 2. Implementation of MSPs | Zones

„No go areas“

DE

DK

EE

FI

LT

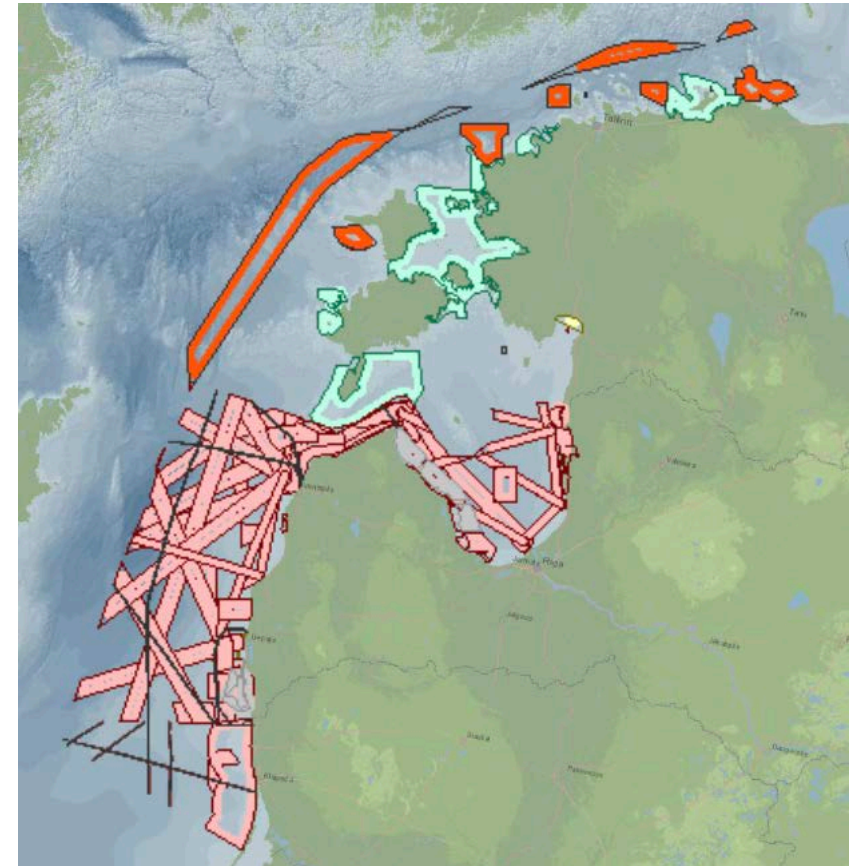
LV

PL

SE



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## 2. Implementation of MSPs | Zones

„No go areas“

DE DK EE FI LT LV PL SE

Forbidden\_Use

2 objects found in this location. Use arrows below to view other objects information.

Object 1 of 2

Next >>

Priority sea use: Maritime transport areas (unspecified)

Reserved sea use:

Allowed sea use:

Restricted sea use:

Forbidden sea use: Offshore wind farms

Use description: Permanent stationary constructions may not be erected due to a need to ensure safe navigation, except the cases when proposed location, which is within the priority areas for shipping, is accepted by all coastal states

Area (sq km): 1837

Country: LV

Plan ID: MSP

Forbidden\_Use

Object 1 of 1

Priority sea use: Marine protected areas

Reserved sea use:

Allowed sea use: Maritime transport areas (unspecified)

Restricted sea use: Aquaculture mussel, Aquaculture plant

Forbidden sea use: Aquaculture fish

Use description: Areas where fish farming is forbidden

Area (sq km): 1941,118537

Country: EE

Plan ID: MSPEE.110001

Forbidden\_Use

2 objects found in this location. Use arrows below to view other objects information.

Object 1 of 2

Next >>

Priority sea use:

Reserved sea use:

Allowed sea use:

Restricted sea use:

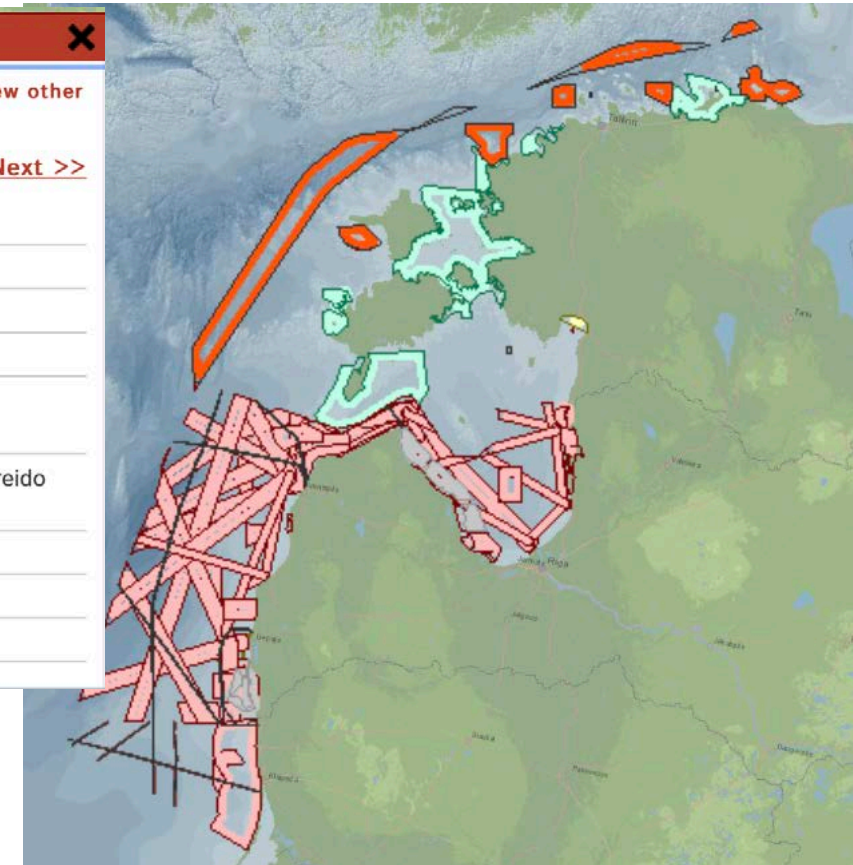
Forbidden sea use: Installations and infrastructures (unspecified)

Use description: Port raid protection zone/Uosto reido apsaugos zona

Area (sq km): 312,499277

Country: LT

Plan ID: LT





## 2. Different Meaning of Zones

Multi-Functional Use Zones

DE

DK

EE

FI

LT

LV

PL

SE



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**MAIN FUNCTION**

**Multi-Functional  
Economic Growth**

**Only 2,17%**

**GENERAL USE /  
Priority ZONES´**

**Any use allowed or other  
uses allowed under  
certain conditions**



## 2. Different Meaning of Zones

Multi-Functional Use Zones

DE

DK

EE

FI

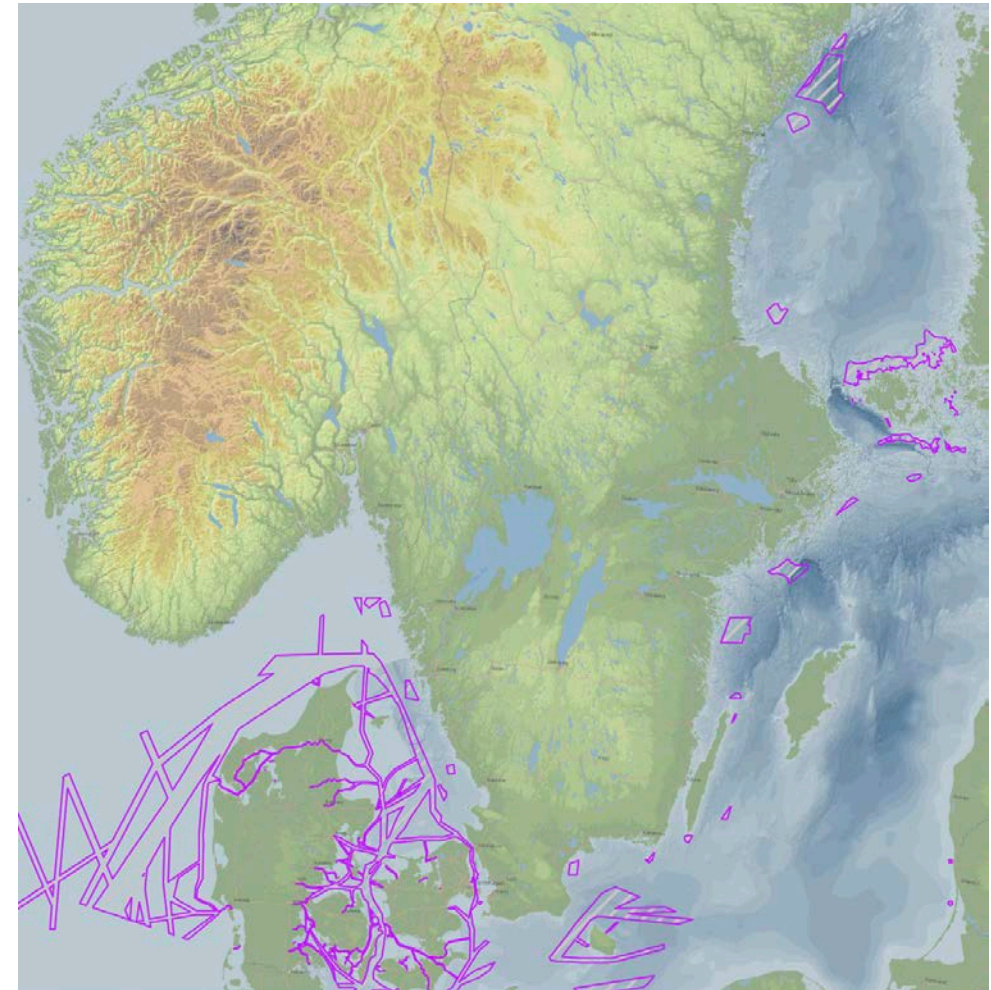
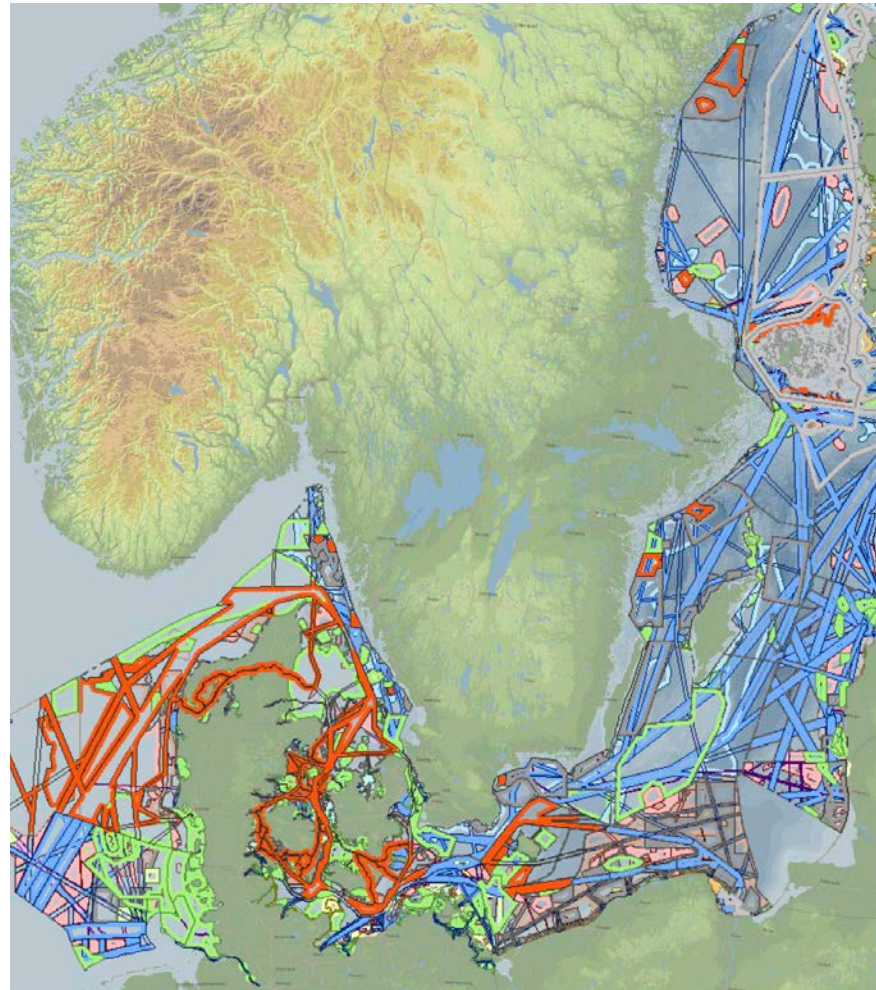
LT

LV

PL

SE

- Aquaculture area
- Fishing area
- Coastal protection area
- Rawmaterial extraction area
- Underwater cultural heritage area
- Tourism areas
- Installations and infrastructures
- Submarine cables and pipelines
- Maritime transport areas
- Military areas
- Scientific research areas
- Nature conservation area
- Reservation for undefined activities
- More than one sea use areas
- Other uses





# 2. Different Meaning of Zones

## Multi-Functional Use Zones

DE

DK

EE

FI

LT

LV

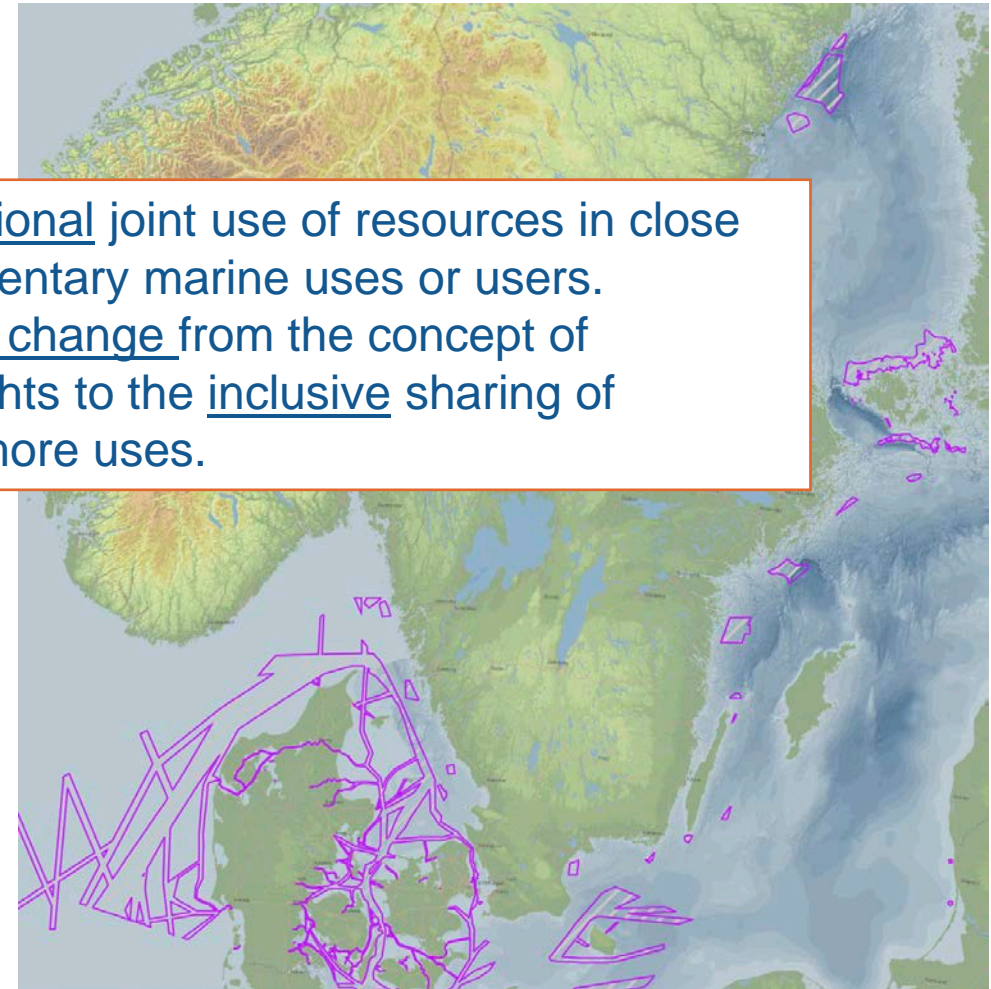
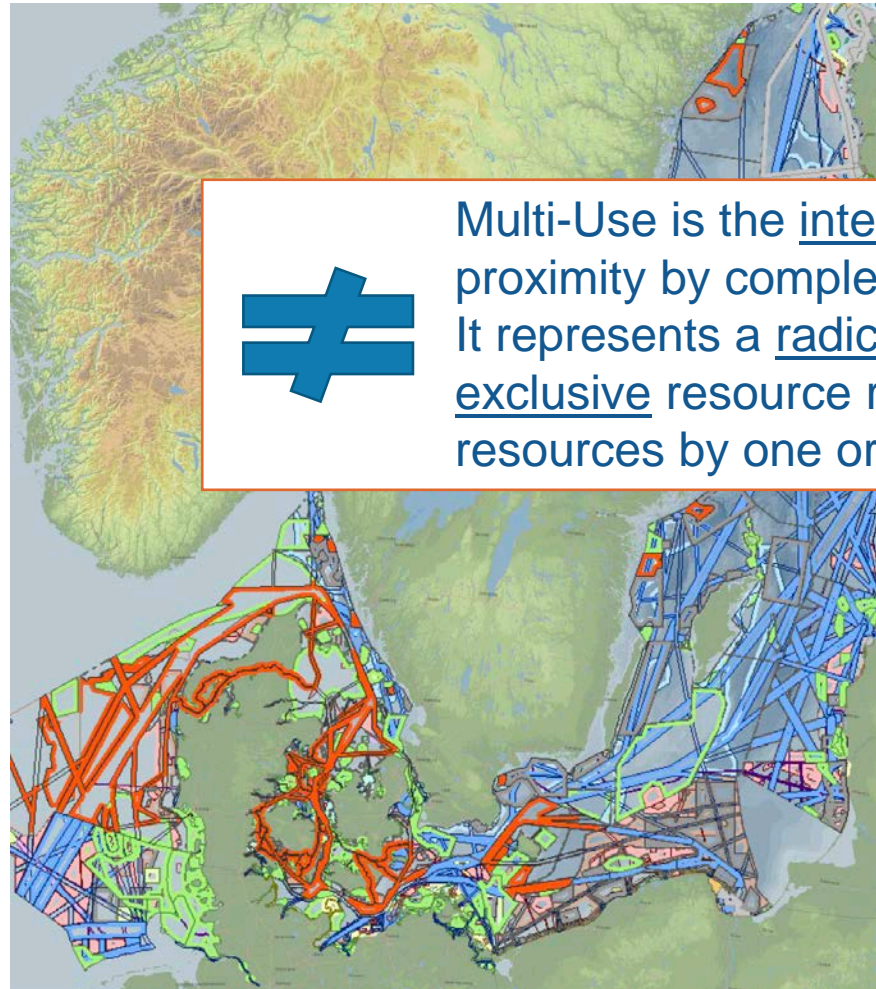
PL

SE

-  Aquaculture area
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-  Reservation for undefined activities
-  More than one sea use areas
-  Other uses



Multi-Use is the intentional joint use of resources in close proximity by complementary marine uses or users. It represents a radical change from the concept of exclusive resource rights to the inclusive sharing of resources by one or more uses.





## 2. Implementation of MSPs | Responsibilities

### Differentiated Situation

Generally in countries, where MSPs are legally binding,  
MSP authority to be involved by other ministries in subsequent licensing procedures

Countries with MSP coordinating group:

- MSP group, informal
- MSP group, inter-sectoral
- Regions, partially intersectoral

DE FI

LV EE DK

SE

#### Guiding documents

Formally decisions taken by other institutions

In Finland within lower level land-use plans

MSP authority no decision-making power; but involved in the process



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## 2. Implementation of MSPs | Adaptability

A lot of „leeway“ within the given MSPs in all countries



EE

LT

PL

SE

- Adaption possible in

DE

DK

FI

LV

- Mainly applicable, for what has been planned



### 3. Monitoring & Evaluation

Country	MSP adopted	MSP revision	Remarks
Germany MV	2016	2026	No specific timeline; but generally 10 years horizon for cross-check
German EEZ	2021	2026	Revision of plans at least every 10 years; “medium-term” perspective with approx. 10 – 15 years
Poland	2021		Assessment MSP after 10 years of whether still valid or not. Can potentially be replaced in some areas by smaller scale plans.
Lithuania	2021		
Latvia	2019	2026 – 2029 evaluation	In line with timeline of Sustainable Development Strategy of Latvia 2030; however, review planned together with MSFD reporting.
Estonia	2021	2026	Check for possible renewal starts after 5 years
Finland	2020	At the latest 2030	Revision planned at time of MSFD update, that is by 2027
Sweden	2021	At the latest 2030	New plans, if needed; at least every 8 years
Denmark	2021	2031	10 year horizon



### 3. Monitoring & Evaluation

Country	MSP adopted	MSP revision	Remarks
Germany MV	2016	2026	Complicated evaluation framework for 1 <sup>st</sup> MSP did not lead to useful information
German EEZ	2021	2026	Predominantly qualitative assessment of achievement of planning goals and impacts as part of background report for revision process. For new MSP a comprehensive framework will be developed; but is not ready yet.
Poland	2021		No formal M&E Framework; legally reports required only every 10 years by Maritime Offices to Ministry
Lithuania	2021		Ministry of Environment checks whether municipal plans; infrastructure development plans or programmes are aligned with the national comprehensive plan. Monitoring indicators are set out in implementation program.
Latvia	2019	2026 – 2029 evaluation	Action Plan can be cross-checked as well as further investigations in specific designated zone; developments at sea also possible in other than designated areas; if in accordance to strategic objectives
Estonia	2021	2026	With Action Plan try to check whether conditions will be developed to achieve MSP goals & objectives
Finland	2020	At latest 2030	Cross check influence of MSP on land-use planning, licenses, permissions; and resulting from this, whether MSP objectives met
Sweden	2021	At latest 2030	County Administrative Boards to 'check' whether municipal plans aligned with national MSP
Denmark	2021	2031	No framework yet; but M&E will also include performance check of MSP process





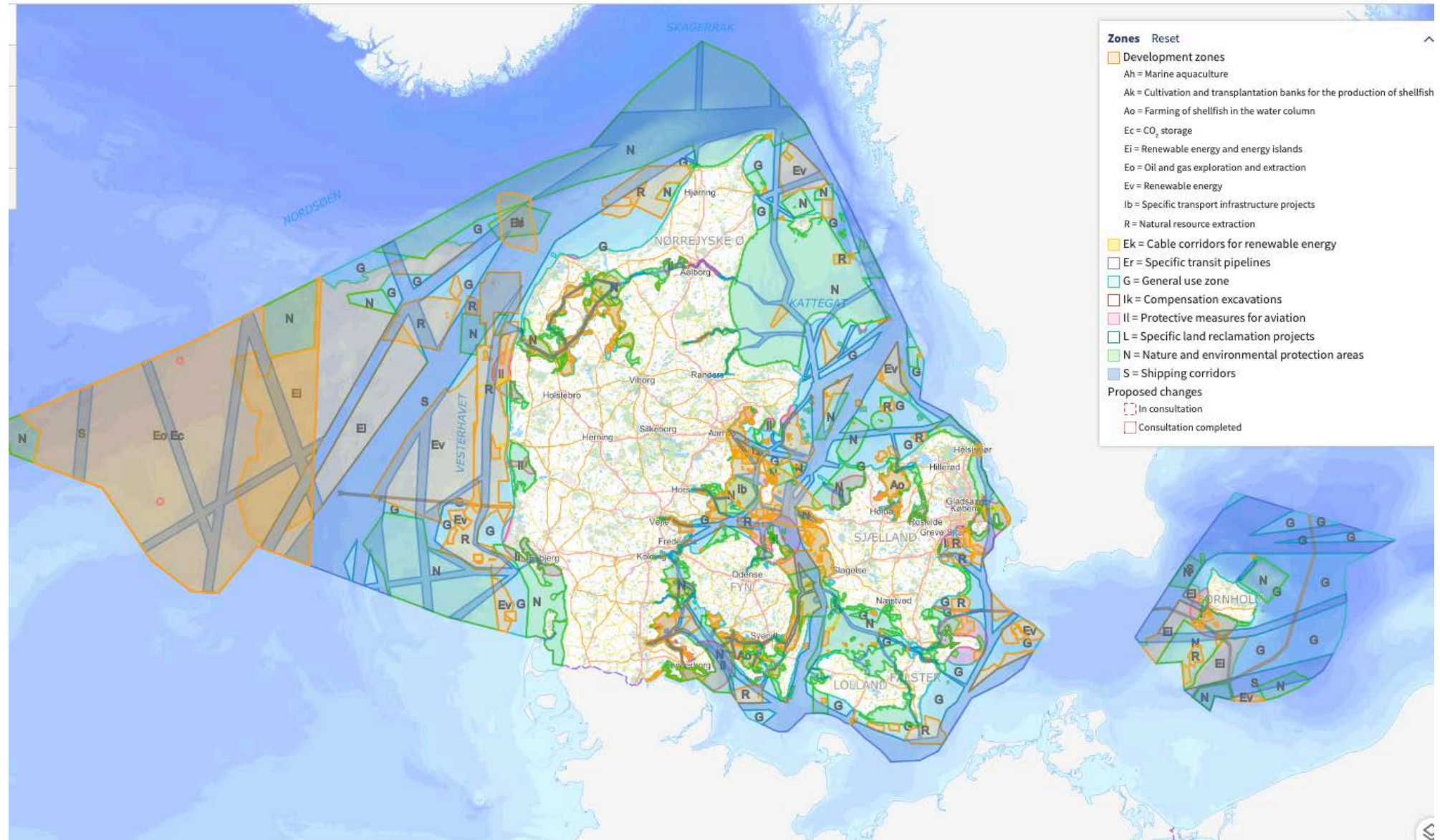
## 4. Future Development Areas



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## 4. Future Development Areas: Digital Plans

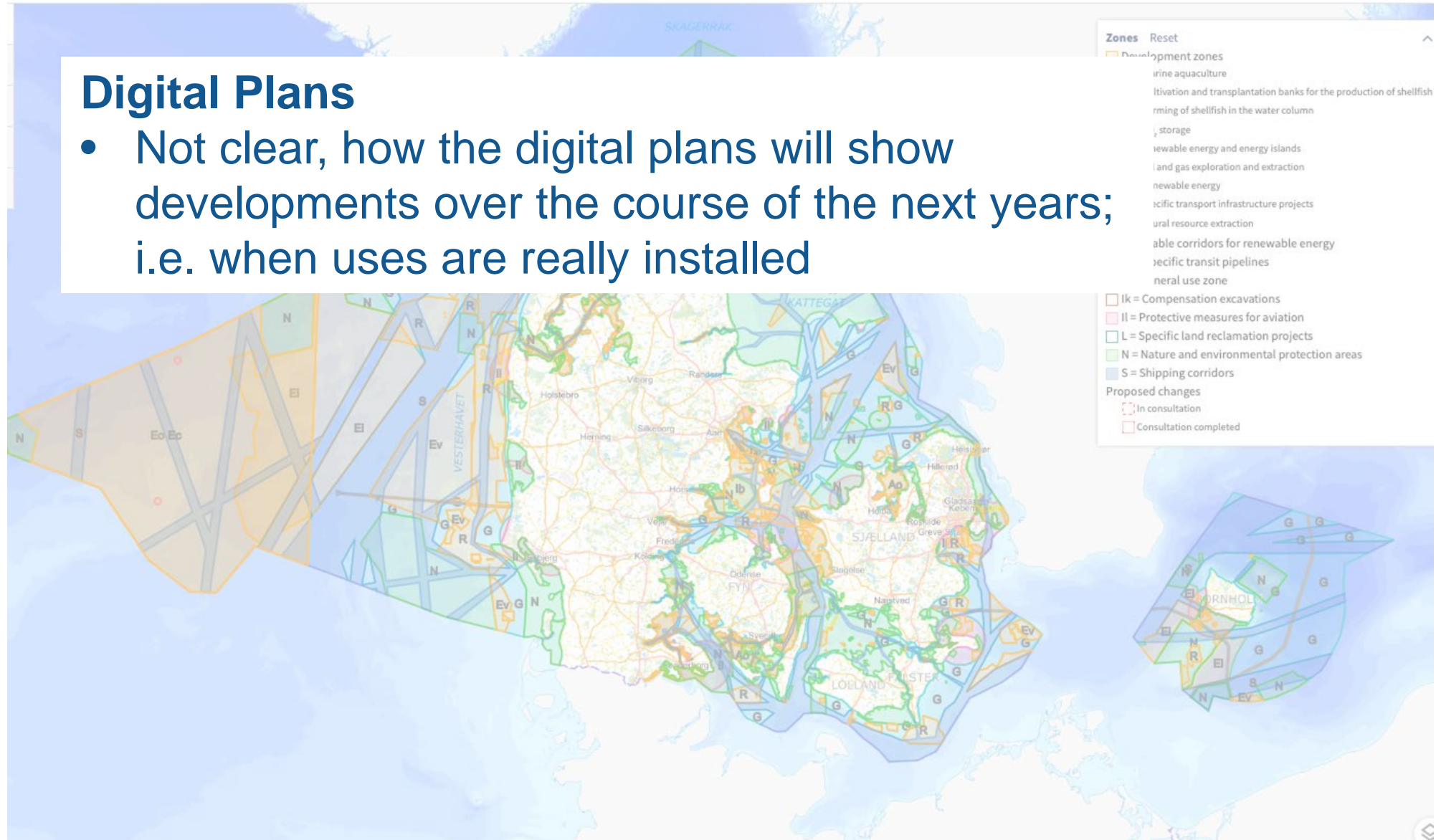




## 4. Future Development Areas:

### Digital Plans

- Not clear, how the digital plans will show developments over the course of the next years; i.e. when uses are really installed





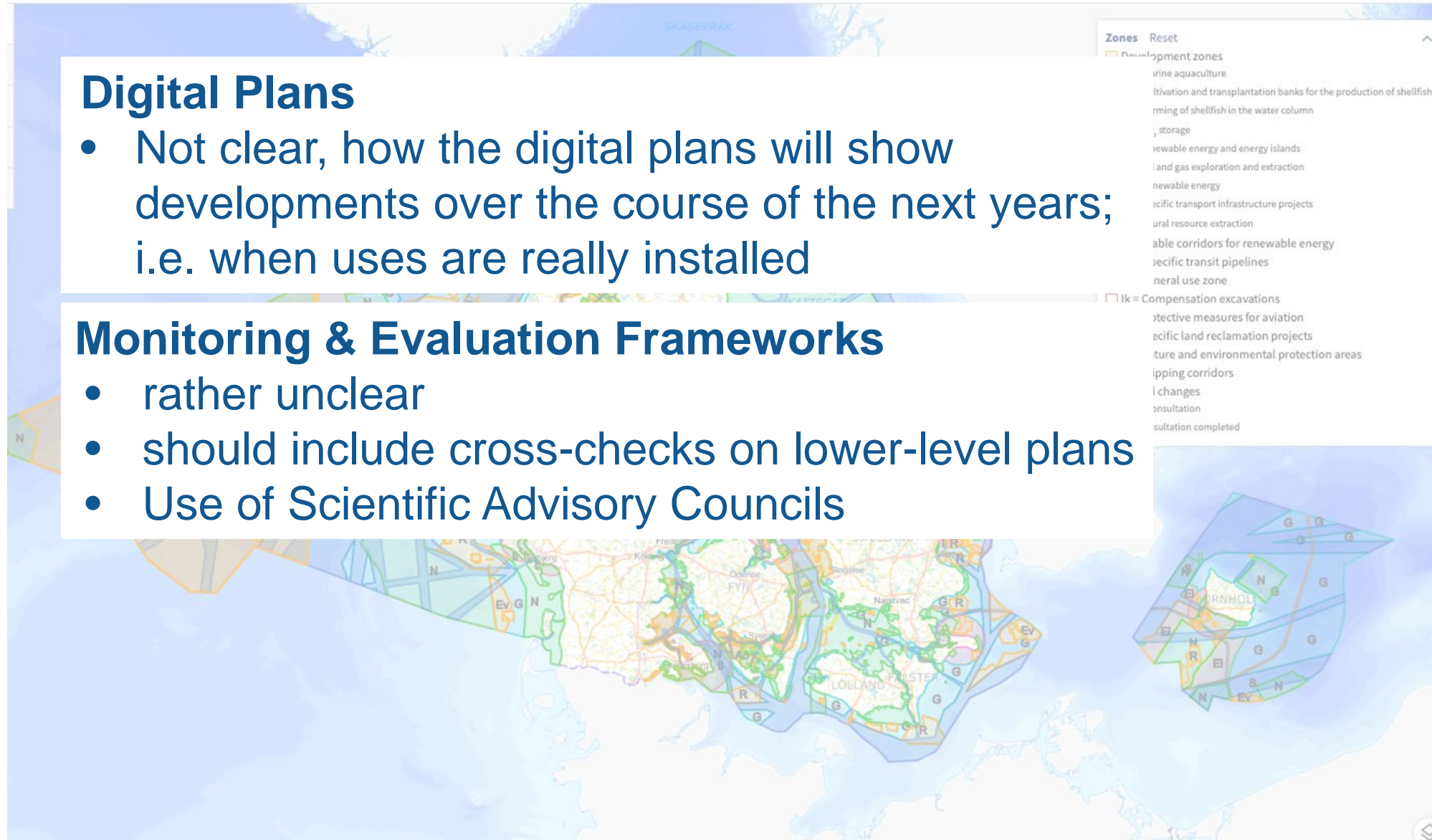
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### Monitoring & Evaluation Frameworks

- rather unclear
- should include cross-checks on lower-level plans
- Use of Scientific Advisory Councils





## 4. Future Development Areas:

### Digital Plans

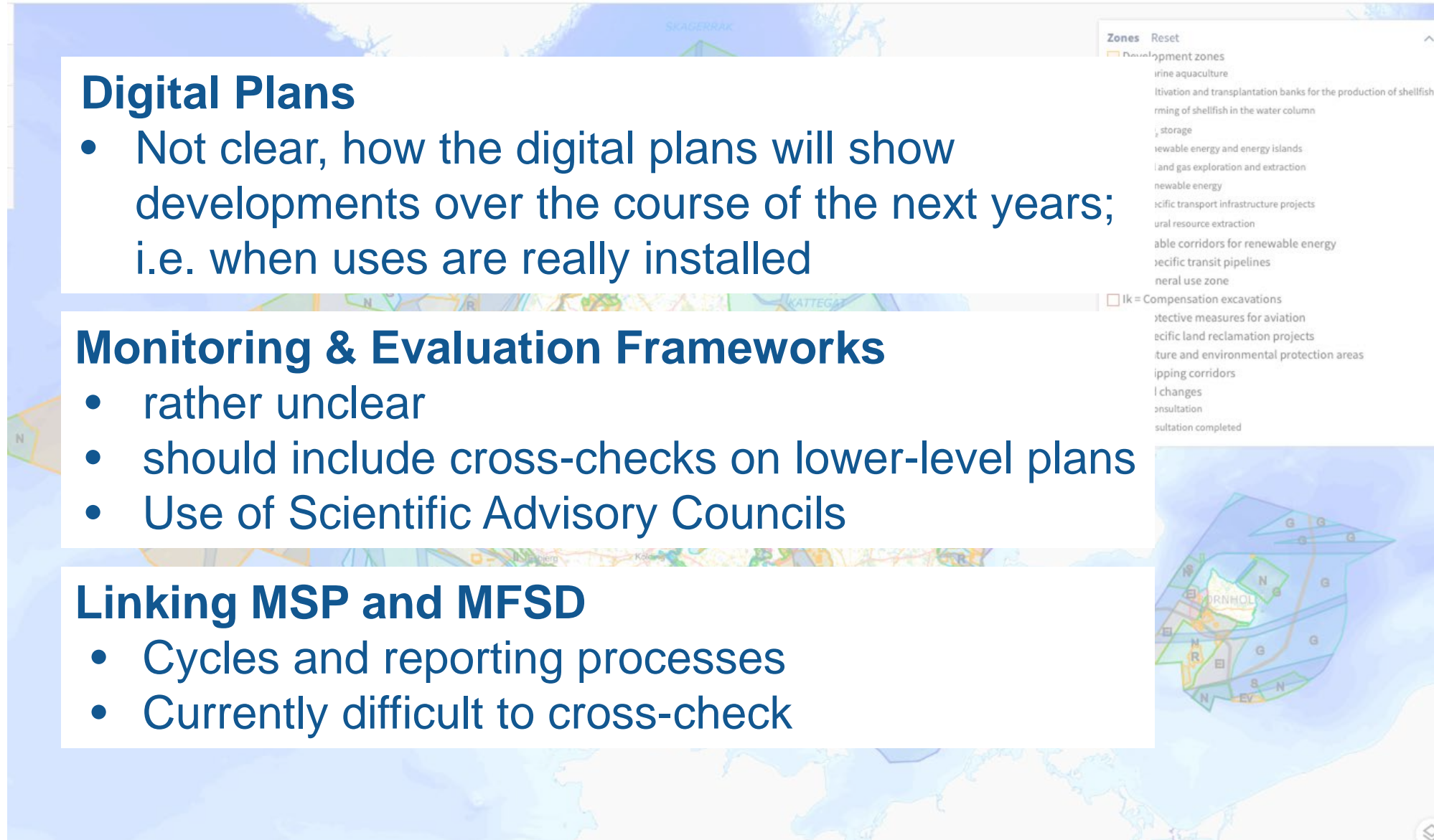
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### Monitoring & Evaluation Frameworks

- rather unclear
- should include cross-checks on lower-level plans
- Use of Scientific Advisory Councils

### Linking MSP and MFSD

- Cycles and reporting processes
- Currently difficult to cross-check







# THANK YOU FOR YOUR ATTENTION

