



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

International Meeting (Online)

Presentation and Discussion

Concept for MSP revision for the German EEZ



23 April 2020 – ONLINE MEETING

Agenda

- 10:00** **Welcome and Introduction**
- 10:20** **Concept for Revision of the German EEZ MSPs**
- 11:00** **Planning Issues and proposed Designations (1)**
- Presentation and Discussion –
- 11:45 (ca.)** *Break (15 min.)*
- 12:00:** **Planning Issues and proposed Designations (2)**
- Presentation and Discussion –
- 12:45** **Further Planning Steps / Subsequent Coordination Meetings etc.**
- 13:00** *End of Meeting*

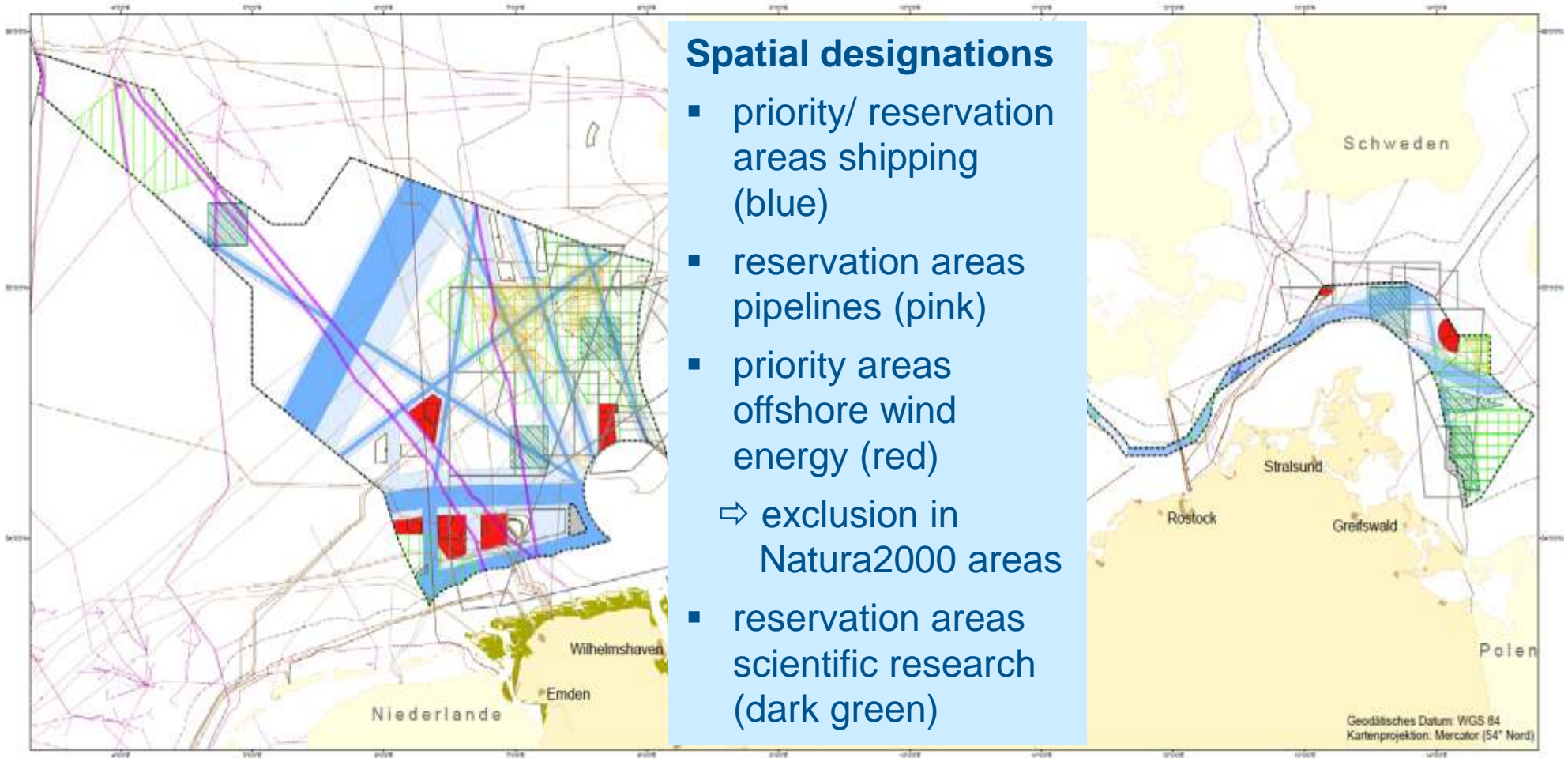


Concept for the MSP revision for the German EEZ

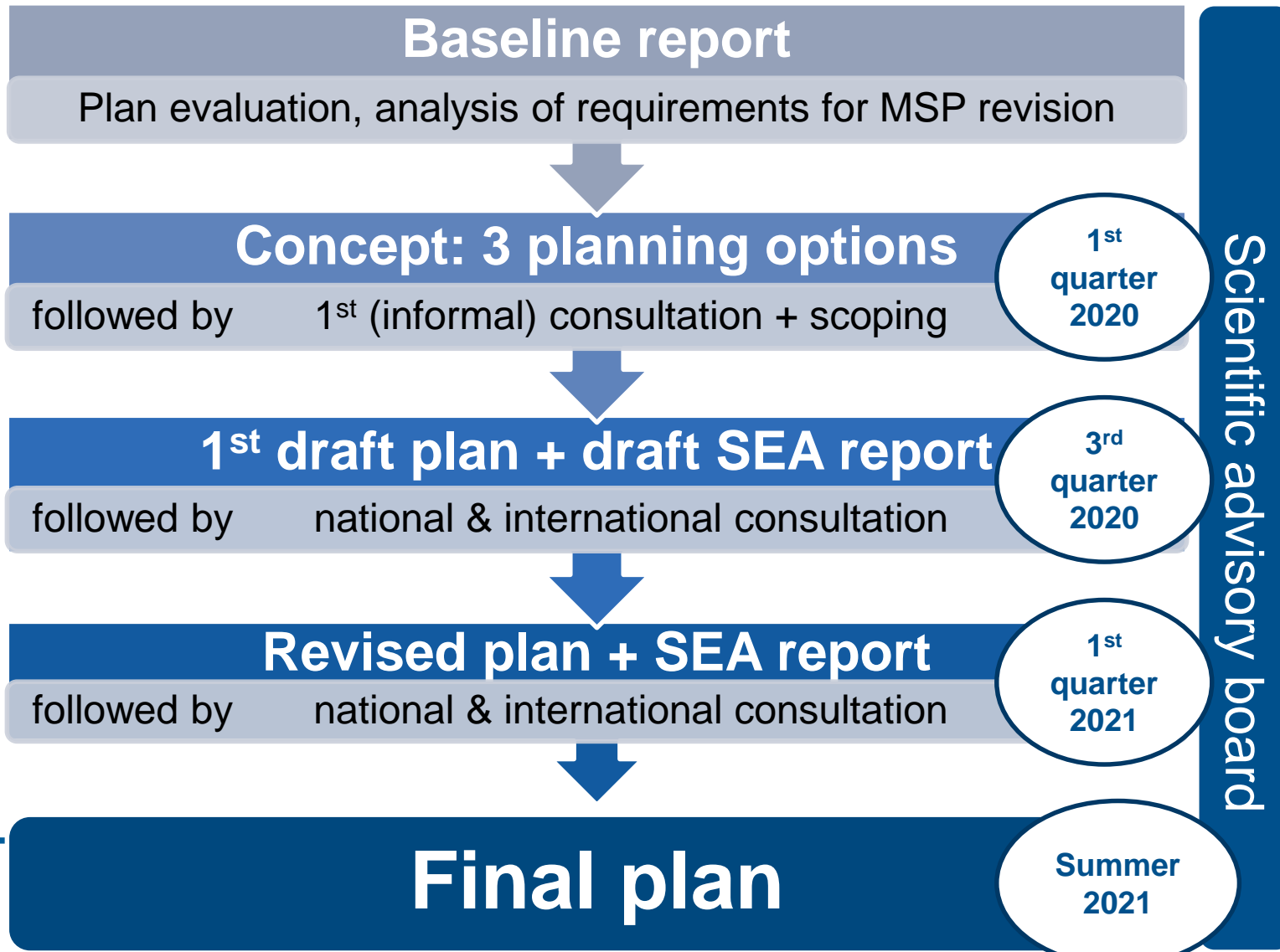
Outline

1. Starting point: MSP 2009
2. MSP revision for the German EEZ: process and timeline
3. Planning requirements
4. Short overview of MSP concept (pre-drafts)
5. First round of international consultation

Starting point: MSP 2009



MSP revision process German EEZ



MSP revision process German EEZ

Planning requirements

- integrated planning approach with comprehensive designations for all relevant uses/ functions
- implementation of the ecosystem based approach
- consideration of MSFD targets and measures
- consideration of new uses
- need for extensive cross-border coordination

Under consideration of

- ✓ recent legislation
- ✓ evaluation of sector development/ trends
- ✓ existing sectoral plans
- ✓ project findings



Concept for the MSP revision (pre-drafts)

Concept

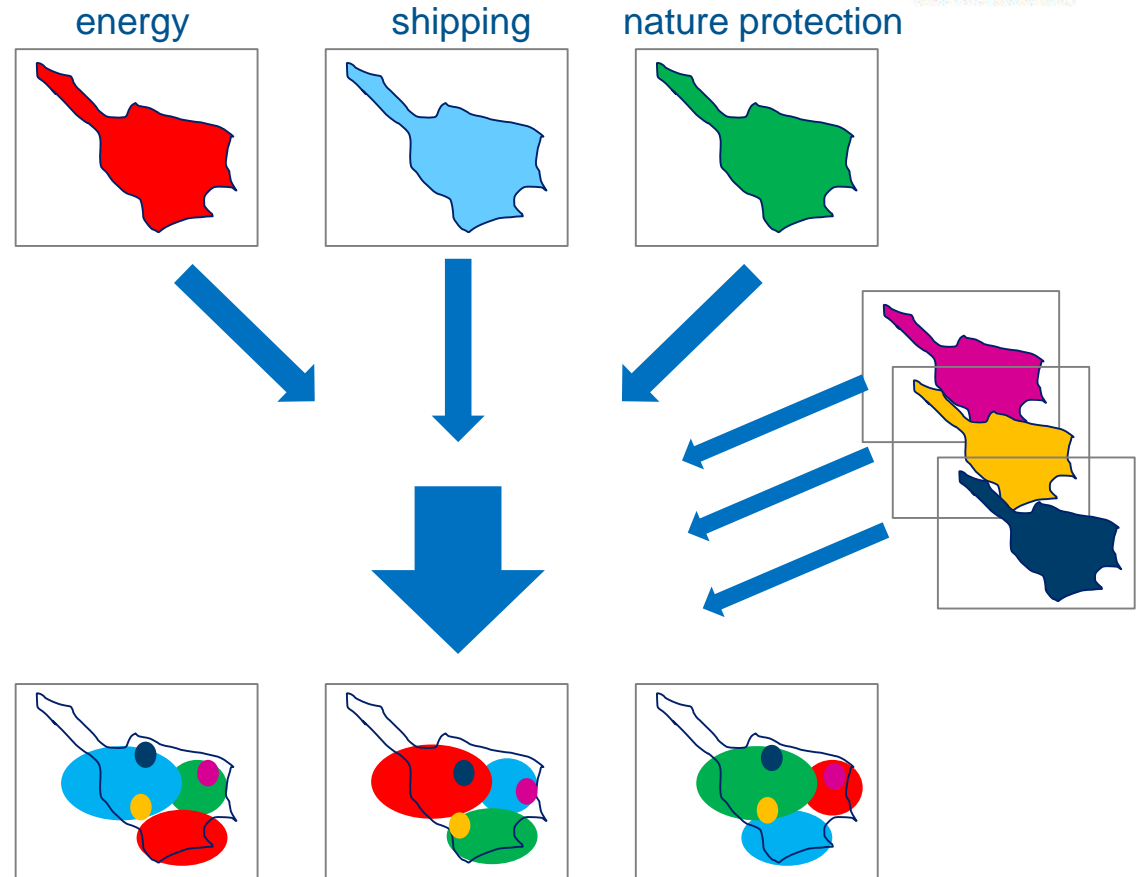
= 1st informal step: developing proposals for
possible planning options

Main aims

- showing conflicts and competition between sectors
- clarifying the consideration process
- ensuring transparency in planning process
- allowing broad and early participation
- creating acceptance and awareness

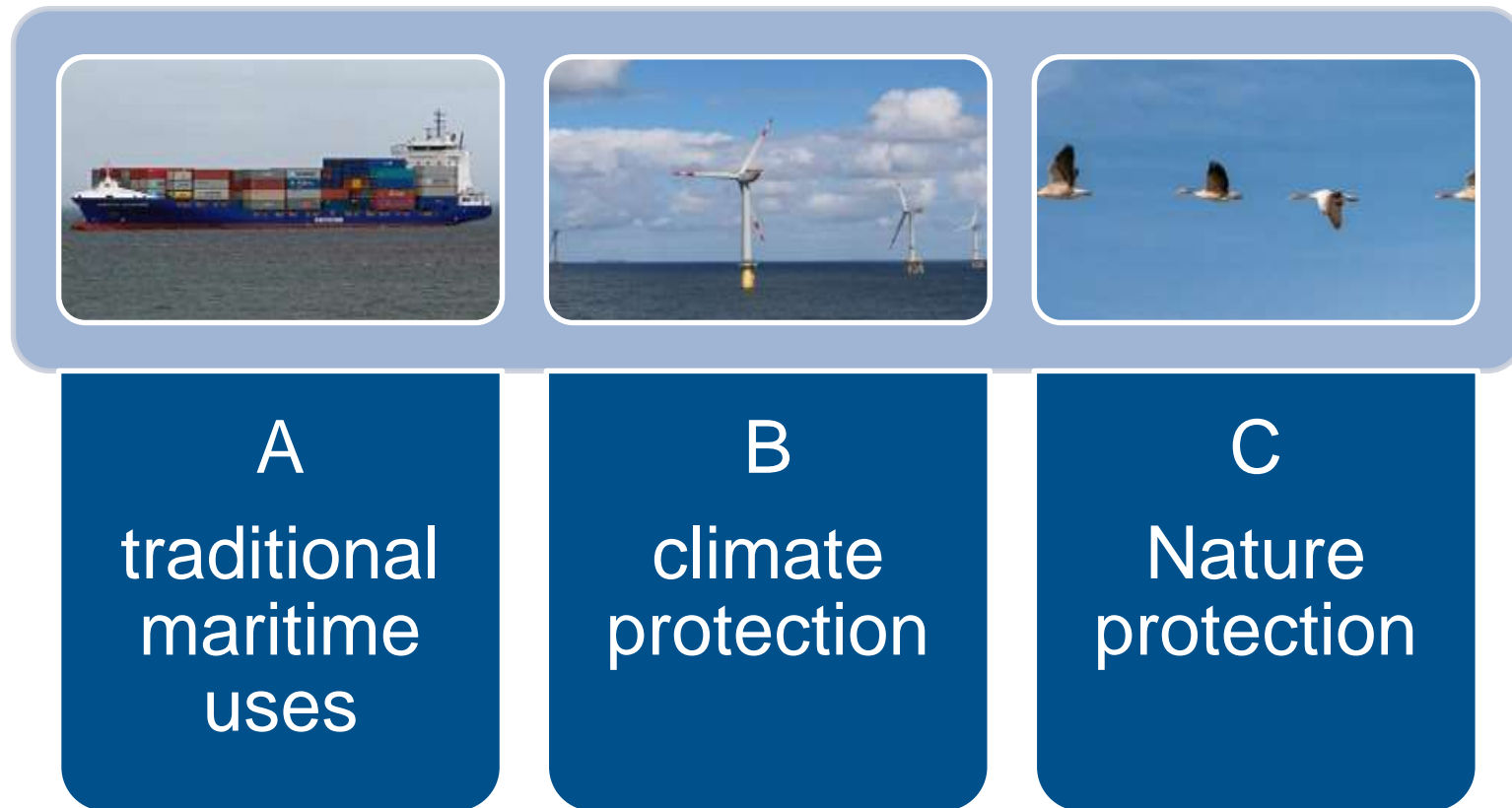
Concept development

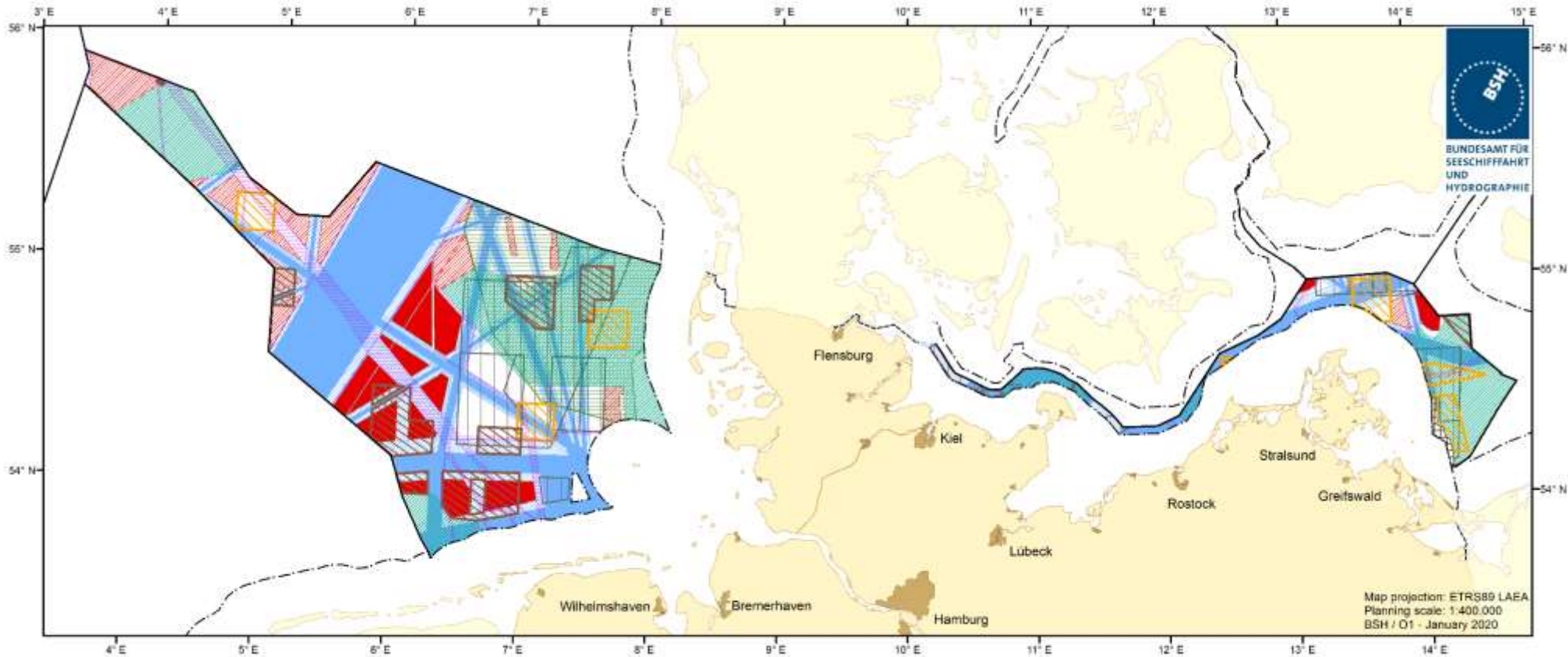
1. Analysis of the maximum requirements of each sector (sector workshops)
2. Overlaying uses for identification of hotspots, also with other relevant sectors
3. Development of plausible planning options from different perspectives



Concept for the MSP revision

3 planning options from different perspectives





Concept for MSP revision for the German EEZ - planning option A: traditional uses

Shipping

- Priority area
- Reservation area

Offshore wind energy

- Priority area
- Reservation area

Cables and pipelines

- Reservation area

Protection & improvement of the marine environment

- Reservation area nature protection
- Reservation area divers

Resource extraction

- Priority area
- Reservation area

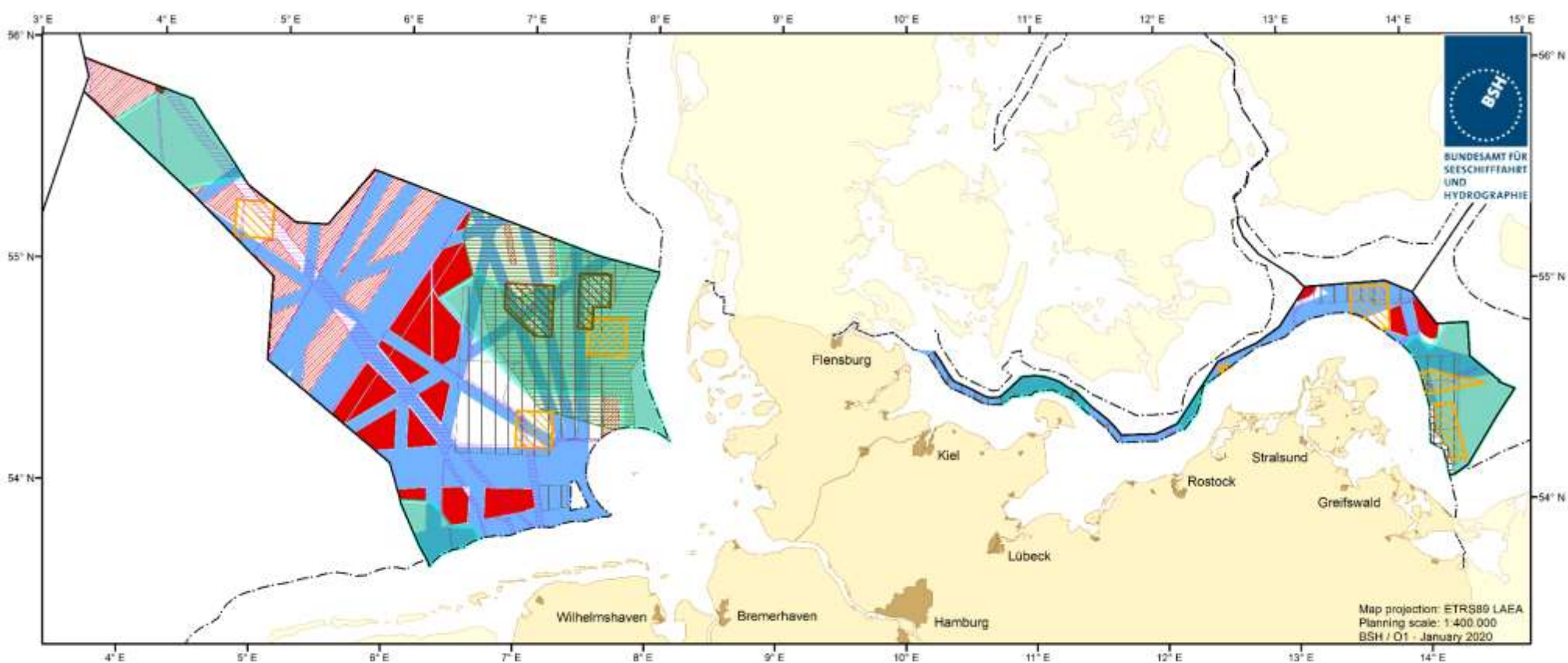
Scientific research

- Reservation area

For information only

- Territorial Sea
- Exclusive Economic Zone
- International border
- Military training area
- Fehmarn Belt fixed link
- Northern Approach Seaports of Swinoujscie and Szczecin*

* This area is not covered by the concept for the MSP revision because of conflicting legal positions. Due to German opinion this area is part of the German EEZ, whereas in relation to Poland no rights or sovereign powers are exercised. Due to Polish opinion this area is part of the Polish territorial sea.



Concept for MSP revision for the German EEZ - planning option B: climate protection

Shipping

Priority area

Protection & improvement of the marine environment

- Priority area nature protection
- Reservation area nature protection
- Reservation area divers

Scientific research

Reservation area

Offshore wind energy

- Priority area
- Reservation area

Cables and pipelines

Reservation area

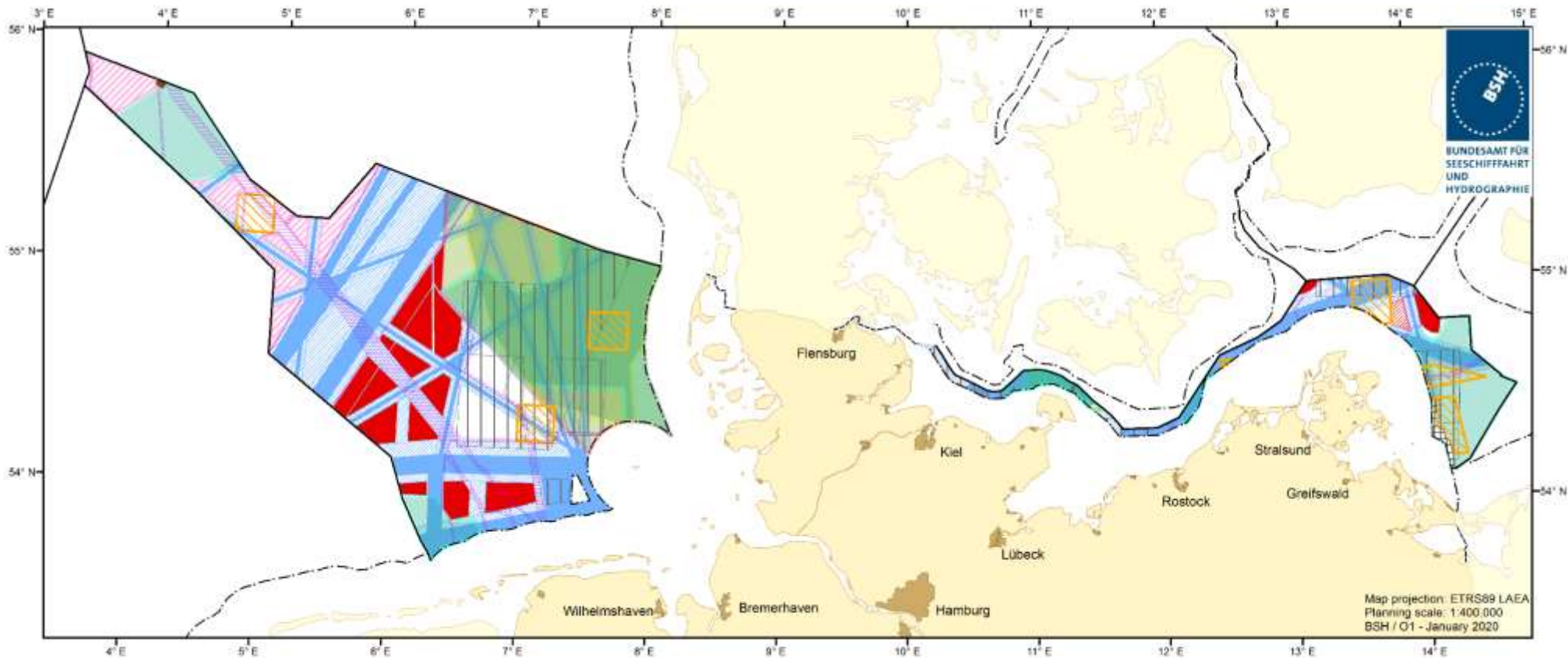
Resource extraction

- Priority area
- Reservation area

For information only

- Territorial Sea
- Exclusive Economic Zone
- International border
- Military training area
- Fehmarn Belt fixed link
- Northern Approach Seaports of Swinoujscie and Szczecin*

* This area is not covered by the concept for the MSP revision because of conflicting legal positions. Due to German opinion this area is part of the German EEZ, whereas in relation to Poland no rights or sovereign powers are exercised. Due to Polish opinion this area is part of the Polish territorial sea.



Concept for MSP revision for the German EEZ - planning option C: nature protection

Shipping

- Priority area
- Reservation area

Resource extraction

- Priority area

Scientific research

- Reservation Area

Offshore wind energy

- Priority area
- Reservation area

Cables and pipelines

- Reservation area

Protection & improvement of the marine environment

- Priority area nature protection
- Priority area divers
- Priority area harbour porpoise (May to August)
- Reservation area bird migration

Reserved for future uses after 2030

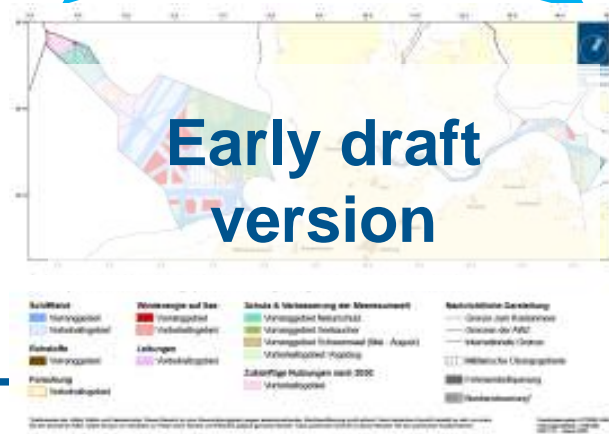
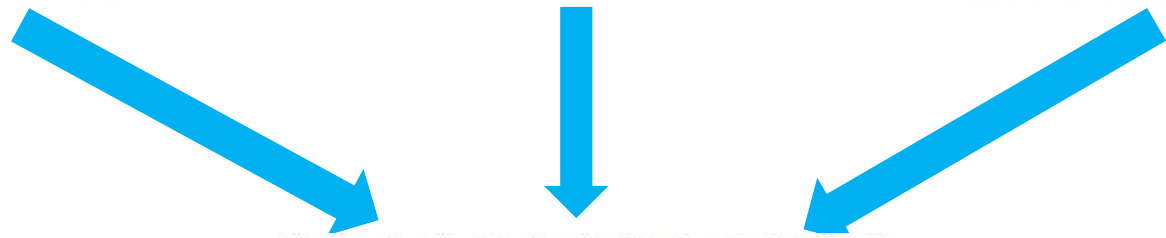
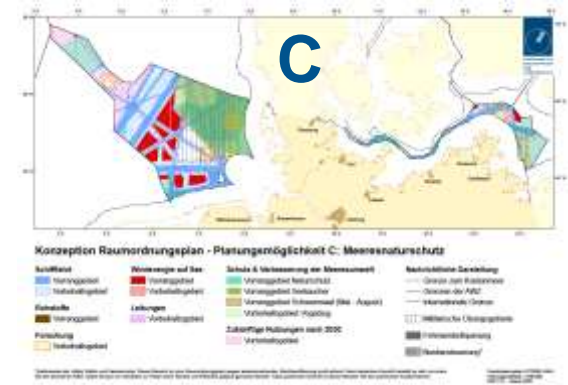
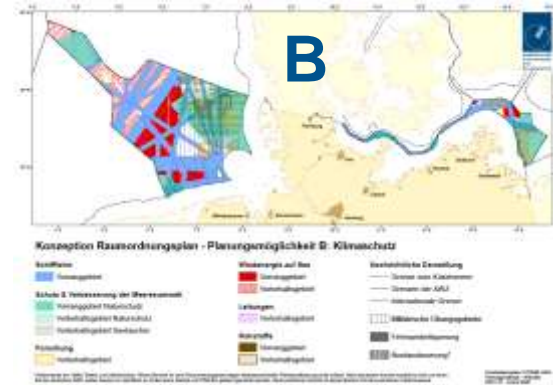
- Reservation area

For information only

- Territorial Sea
- Exclusive Economic Zone
- International border
- Military training area
- Fehmarn Belt fixed link
- Northern Approach Seaports of Swinoujscie and Szczecin*

* This area is not covered by the concept for the MSP revision because of conflicting legal positions. Due to German opinion this area is part of the German EEZ, whereas in relation to Poland no rights or sovereign powers are exercised. Due to Polish opinion this area is part of the Polish territorial sea.

Next step: 1st draft MSP



Planned for summer 2020

First round of (informal) international consultation

- 3rd March 2020 **Publication** of English documents and **information** of MSP contact points/ MSP friends

- Concept for the MSP revision (65 pp.)
+ maps of planning options
- Scope of the environmental assessment for SEA (65 pp.)



- 3rd/24th March 2020 **Notification** of Espoo contact points
- 20th April 2020 deadline for comments on published documents
- 23rd April 2020 **Webinar**



Planning Issues and proposed Designations

Regulations in MSP in Germany

Regulations (text)

- **Objectives:** legally binding for decisions of public offices
- **Principles:** general regulation

Spatial designations

- **Priority area:** area for a certain use; other conflicting uses / non-compatible uses are excluded
 - **Reservation area:** area where special consideration is given to a certain use when weighing them up against competing functions / uses
- MSPs define certain rules and regulations with regard to activities, to be followed in the course of licensing procedures, conflict resolution etc.

Uses/ functions included in planning options

Spatial designations & regulations

- **shipping**
- **offshore wind energy**
- **cables and pipelines**
- **nature protection**
- **resource extraction**
- **scientific research**

Regulations (text only)

- fisheries/ aquaculture
- underwater cultural heritage
- recreational use and tourism
- military use

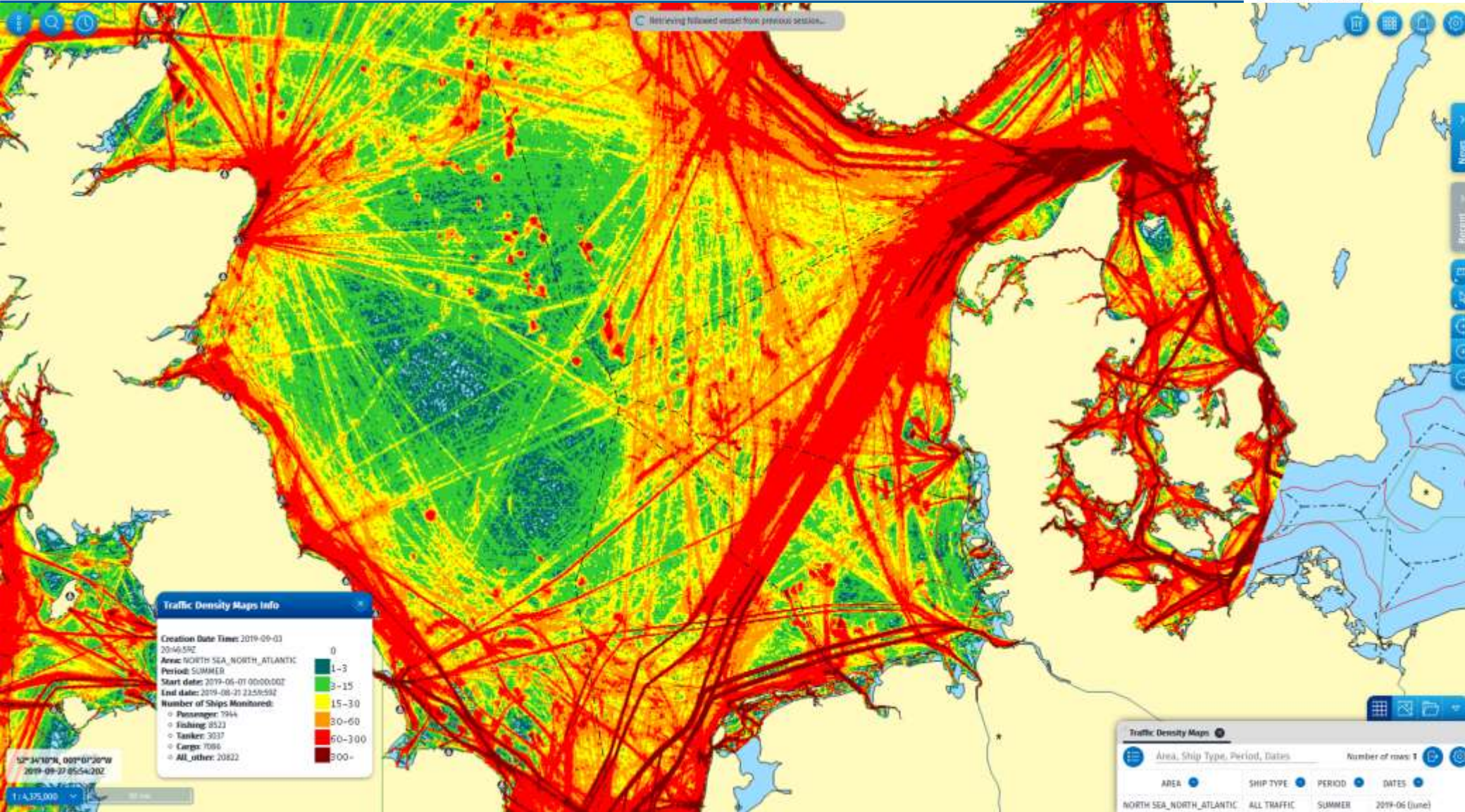
Current situation

- Existing priority and reservation areas for shipping in MSP 2009
- Shipping routes and MSP plans (or drafts) in place in neighbouring countries (aim for coherence)
- New data and information of shipping routes through international projects
- Identified transit traffic north-west of route number 10 in the North Sea (international shipping group)

Potential conflicts

- Various possible usage conflicts (e.g. fixed installations, nature protection, etc.)

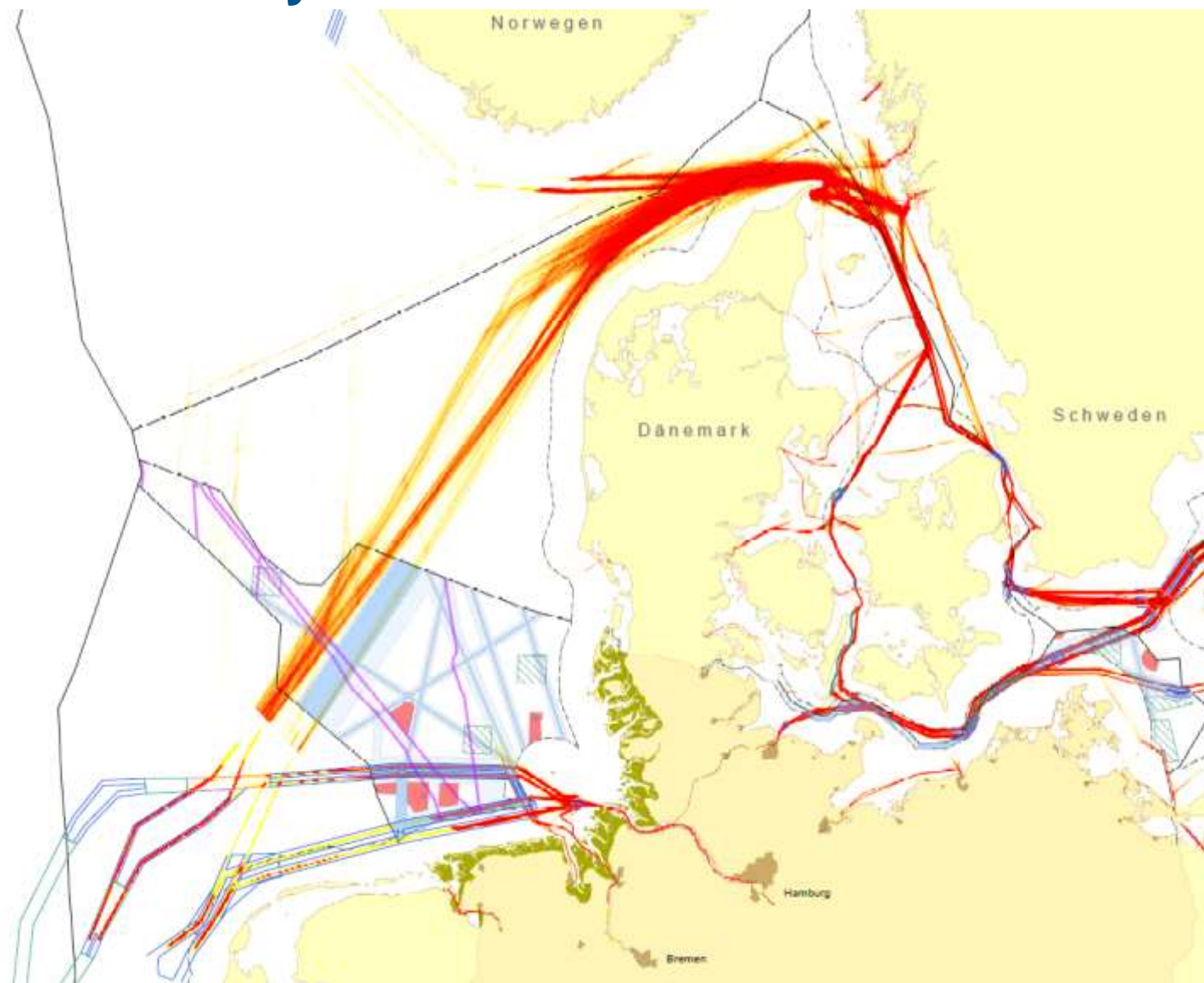
AIS Data all ship types: EMSA



AIS Tanker analysis



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE



Spatial designations: shipping

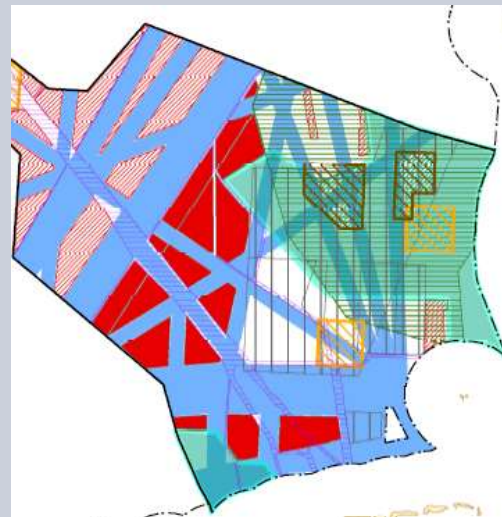
Planning option A



Extension of the priority area SN10 towards NW by the total width of the currently analysed traffic flows

Extension of priority areas SN4, SN5 und SN7 to 2nm width

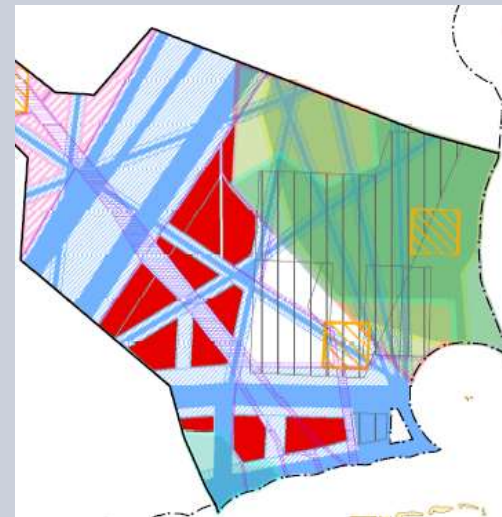
Planning option B



Adaptation of the priority area SN10 to the currently analysed traffic flows, subdividing into three main traffic routes

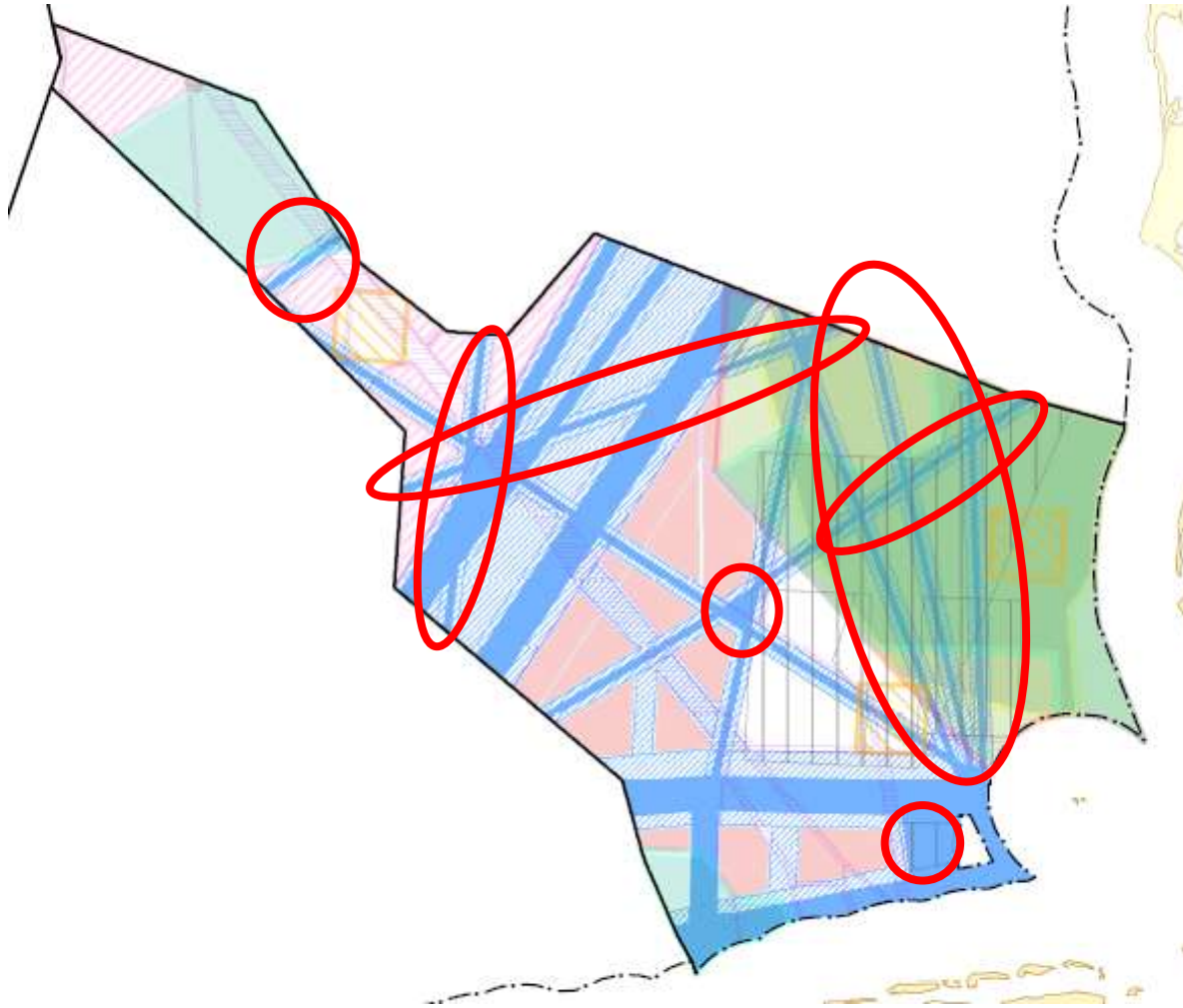
Conversion of all reservation areas along priority routes into priority areas

Planning option C




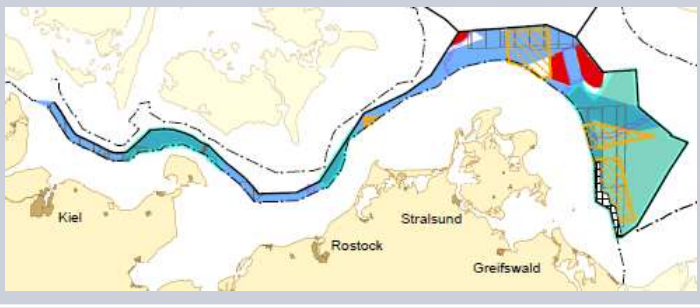

Establishment of large reservation areas between the single priority areas of route SN10

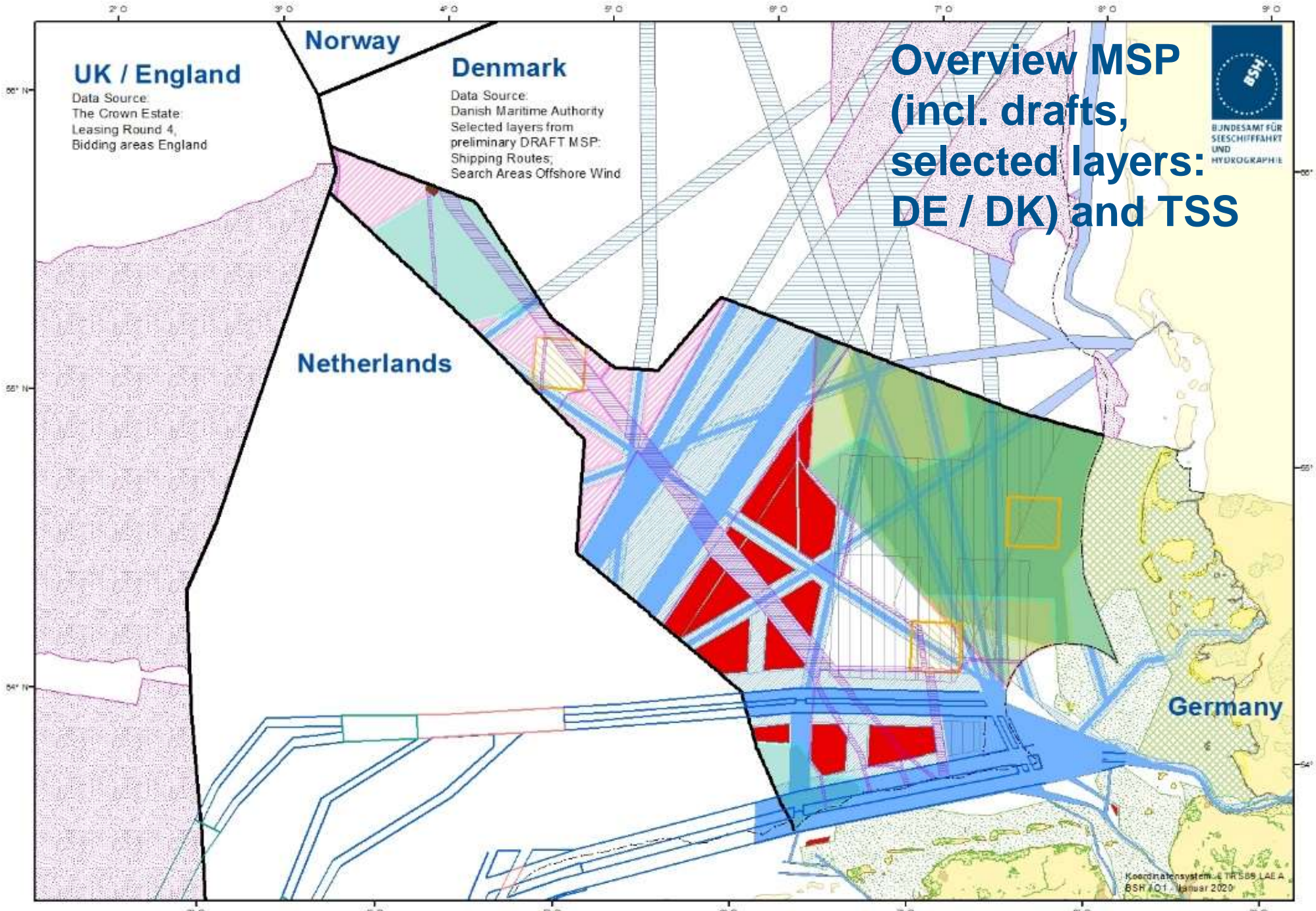
Spatial designations: shipping



- Upgrading of the reservation area SN14 to priority area
- Upgrading of all intersection areas (for three or more routes) to priority areas
- New designation for the routes SN6-9 according to the currently observed traffic flows
- New designation for the routes SN15, SN16 and SN17 in the northwestern region of the German EEZ in accordance with the currently determined traffic flows
- Uniform distance regulation for reservation areas along the priority areas (1 nm) are aimed at, wider reservation areas in exceptional cases

Spatial designations: shipping

<p>Planning Option A</p>		<ul style="list-style-type: none"> - Adaptation of route SO5 to the Swedish MSP. - New definition of routes SO8 and SO9 north of route SO5. 	
<p>Planning Option B</p>		<ul style="list-style-type: none"> - Adaptation of route SO5 to the Swedish MSP. - New definition of routes SO8 and SO9 north of route SO5. 	<p>Conversion of all reservation areas along priority routes into priority areas.</p>
<p>Planning Option C</p>		<ul style="list-style-type: none"> - Adaptation of route SO5 to the Swedish MSP. - New definition of routes SO8 and SO9 north of route SO5. 	



Overview MSP (incl. drafts, selected layers: DE / DK) and TSS

UK / England

Data Source:
The Crown Estate:
Leasing Round 4,
Bidding areas England

Norway

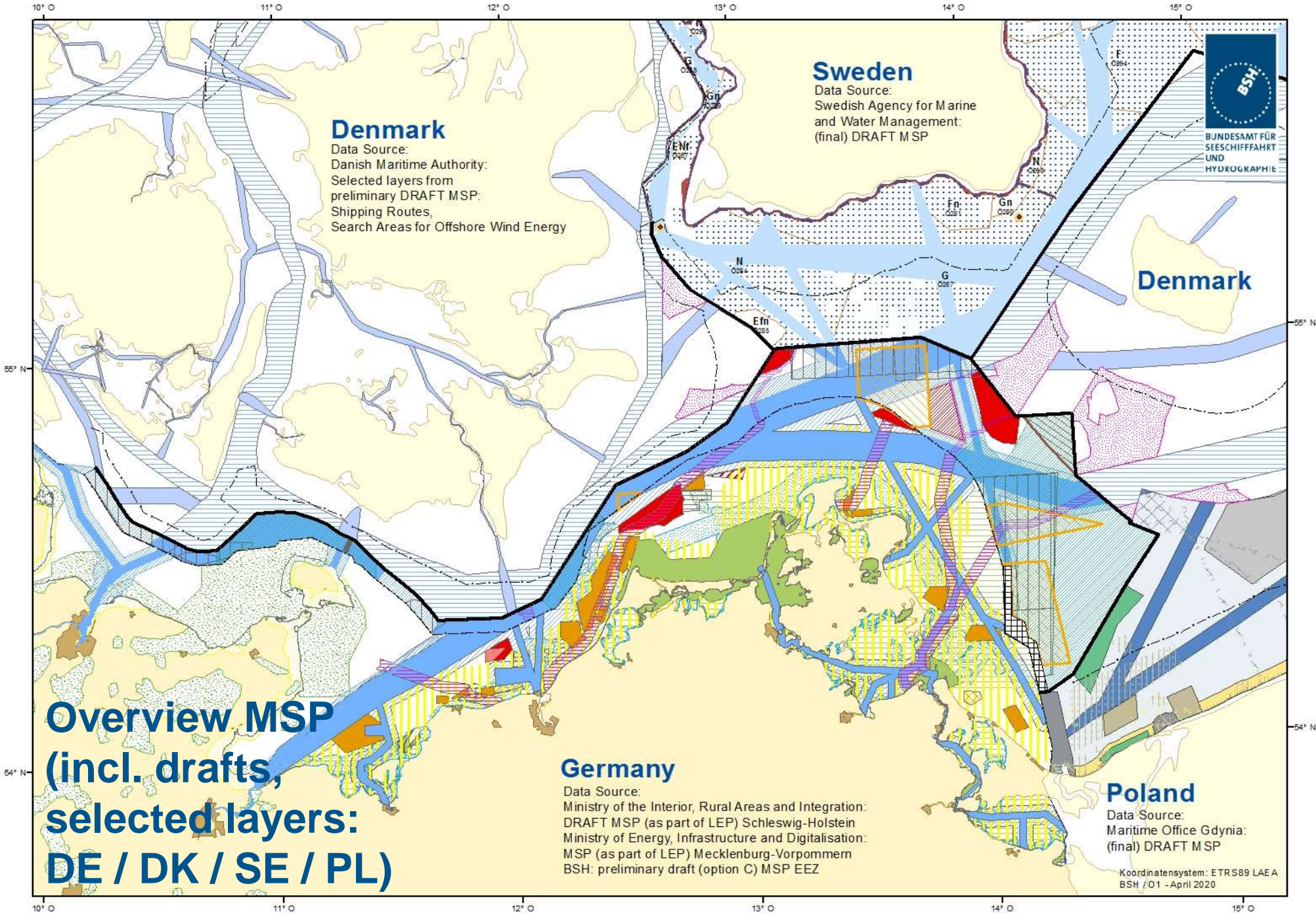
Denmark

Data Source:
Danish Maritime Authority
Selected layers from
preliminary DRAFT MSP:
Shipping Routes;
Search Areas Offshore Wind

Netherlands

Germany





Denmark

Data Source:
 Danish Maritime Authority:
 Selected layers from
 preliminary DRAFT MSP:
 Shipping Routes,
 Search Areas for Offshore Wind Energy

Sweden

Data Source:
 Swedish Agency for Marine
 and Water Management:
 (final) DRAFT MSP



Denmark

**Overview MSP
 (incl. drafts,
 selected layers:
 DE / DK / SE / PL)**

Germany

Data Source:
 Ministry of the Interior, Rural Areas and Integration:
 DRAFT MSP (as part of LEP) Schleswig-Holstein
 Ministry of Energy, Infrastructure and Digitalisation:
 MSP (as part of LEP) Mecklenburg-Vorpommern
 BSH: preliminary draft (option C) MSP EEZ

Poland

Data Source:
 Maritime Office Gdynia:
 (final) DRAFT MSP

Koordinatensystem: ETRS89 LAEA
 BSH /01 - April 2020

Regulations: shipping

- In designated priority areas, shipping is given priority over other spatially significant uses.
- In the event of overlapping with priority areas for the protection and improvement of the marine environment, navigation shall be given priority in accordance with UNCLOS.
- In designated reservation areas, special weight is given to shipping when weighing up against other spatially significant plans, measures and projects.
- The impact of shipping on the marine environment has to be reduced by complying with international conventions for the protection of the marine environment.

Shipping

International comments

- NL:
 - Search area for the clearway to the Kattegat and the relation to possible wind energy areas. Proposal to cooperate on a Formal Safety Assessment whereby different options for configurations of shipping routes and wind farms can be considered.
- PL:
 - Introduce areas with priority for shipping, covering routes to the Polish ports (the recommended route to the north of the Rügen Island to the TSS Adlergrund [route No. SO7] & the route to the north from the roadstead of ports of Świnoujście and Szczecin, leading to the port of Ystad [route No. SO6])
 - No interference of other activities or uses for the regular navigation (e.g. safety zones, research areas, cables/ pipelines, etc.).
 - Not preclude dredging in route SO6.
- SE:
 - The Swedish Transport Administration's view that the handling of transport issues in the concept for the Maritime Spatial Plan (MSP) is clear and balanced.
 - Different approach to Swedish MSP, but implementations should not differ in any significant way.
 - The adaptation of the sea traffic routes to the Swedish MSP is noted and appreciated.

Current situation

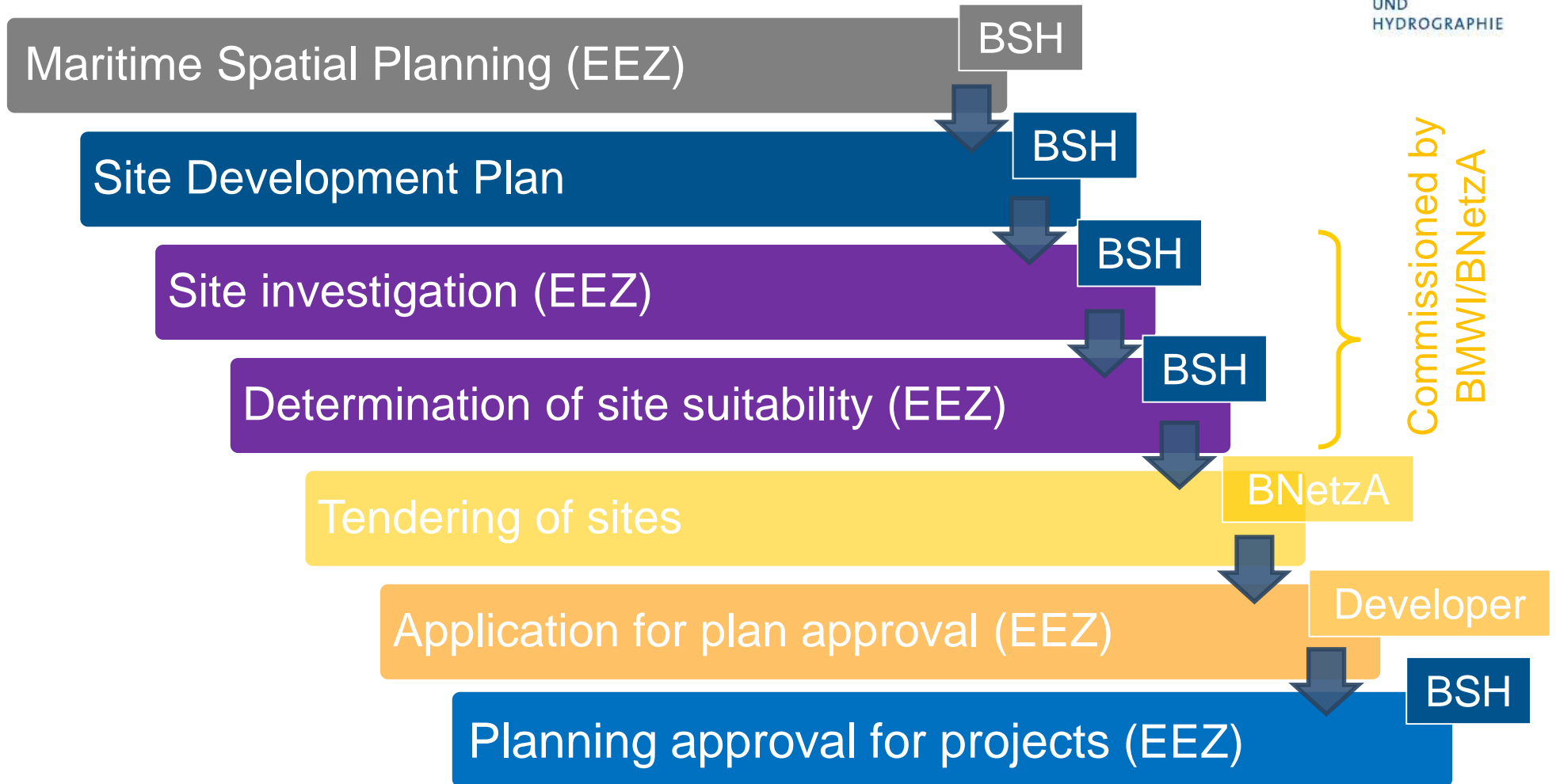
- Political target for development of offshore wind energy: 20 GW until 2030
- Existing sectoral planning instrument for offshore wind energy: Site Development Plan (2019),
 - Designation of areas for tendering process
 - Designation of grid connections
 - update currently in progress

Approach

- Spatial designations:
 - priority areas for offshore wind energy for realisation of mid-term political targets
 - reservation areas for offshore wind energy due to long-term climate protection targets
- Planning options showing the bandwidth of potential capacity
- Regulations: compatibility with other usages, safety zones, deconstruction, visibility

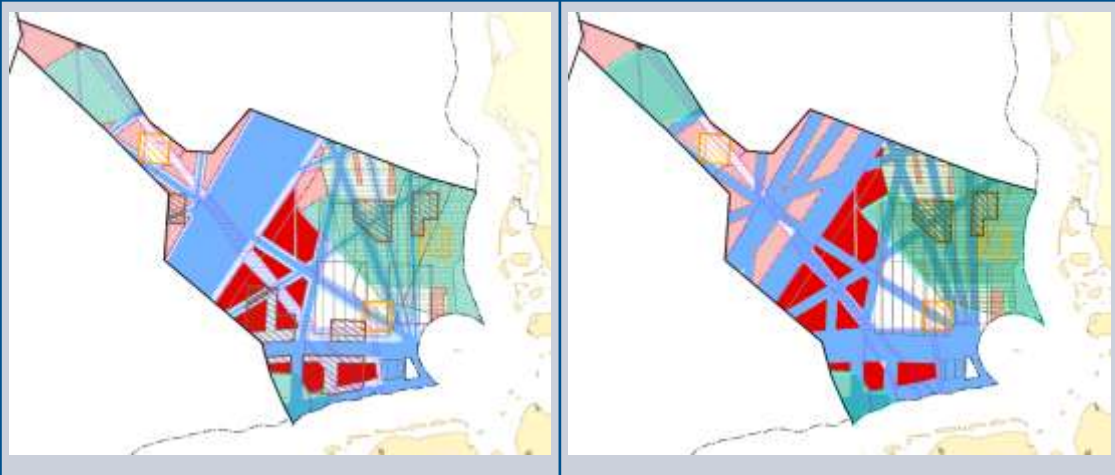

The central planning model

Procedure






Spatial designations

Offshore wind energy – North Sea

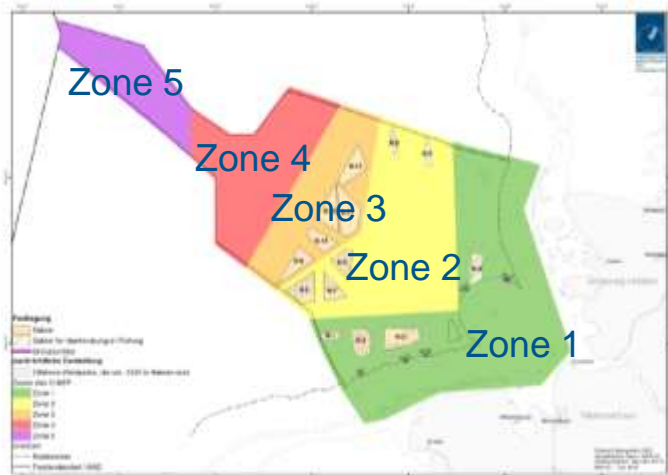
Planning option A	Planning option B	Planning option C
		
<p>(1) Offshore wind energy within nature protection reservation areas: Designation as reservation areas</p>		<p>(1) No designation within priority areas for nature protection</p>
<p>(2) Expansion of offshore wind priority areas EN9 to EN13 due to changes of shipping line SN10</p>		
<p>(3) Designation of offshore wind reservation areas EN14 to EN19</p>		<p>(3) Designation of reservation areas for future uses after 2030</p>
<p>(4) Designation of offshore wind reservation areas EN20 to EN23</p>		

Spatial designations

Offshore wind energy – Baltic Sea

Planning option A	Planning option B	Planning option C
		
<p>(1) Designation of EO2 as offshore wind reservation area</p>	<p>(1) Designation of EO2 as offshore wind priority area</p>	<p>(1) Designation of EO2 as offshore wind reservation area</p>

Spatial designations Offshore wind energy– Potential capacity



Planning option	A	B	C
Zone 1+2	16 GW	16 GW	16 GW
Zone 3	10-14 GW	10-14 GW	9-12 GW
Zone 4+5	9-10 GW	14-20 GW	Reservation for future uses
Total	35-40 GW	40-50 GW	25-28 GW

Cables and Pipelines

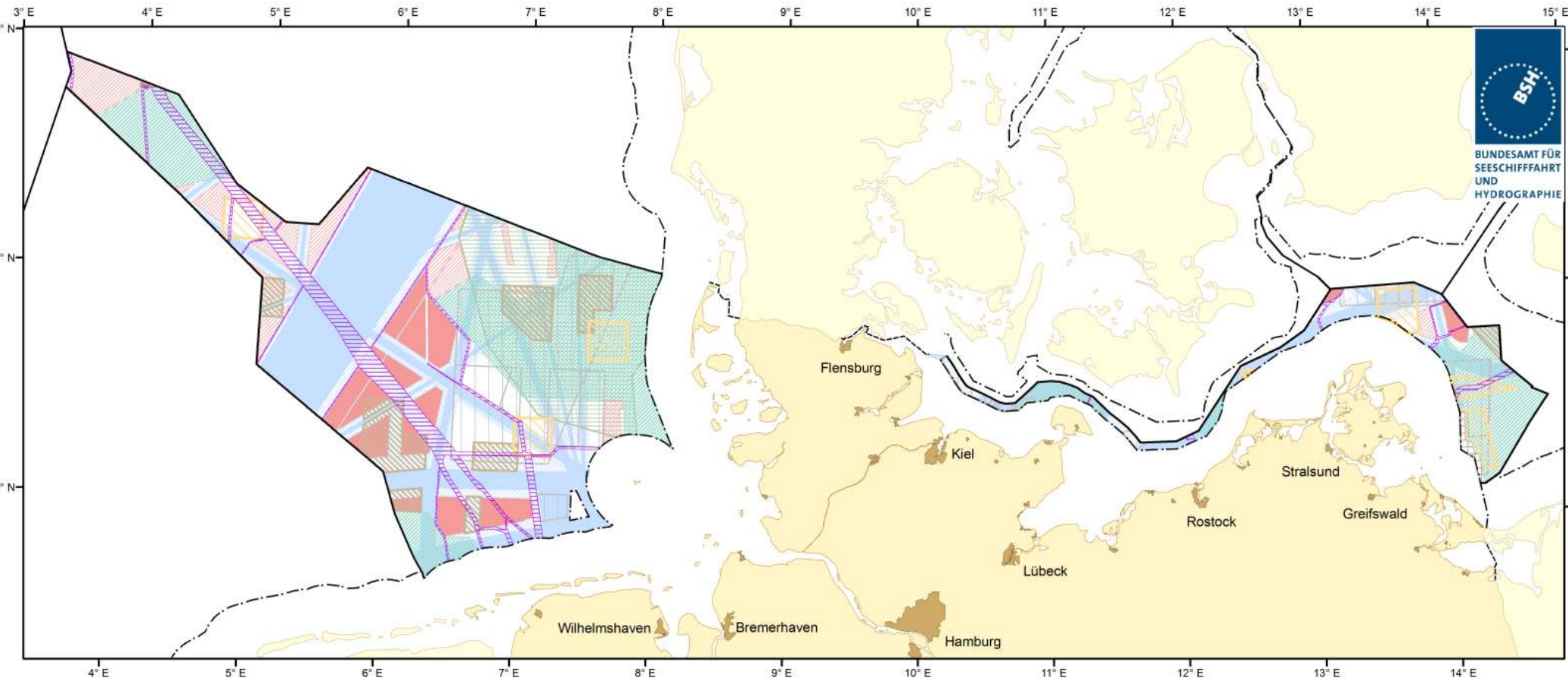
Current
Situation

- Regulations for cables and pipelines in MSP 2009
- Spatial designations only for pipelines in MSP 2009
- Expected growth of offshore wind energy increases need for connections

Approach

- Spatial designations: reservation areas for cables and pipelines
- No distinction between the three planning options
- Focus on wind park connections and possible interconnectors
- Interconnectors based on actual project plannings and ENTSO-E long-term outlook
- Selection of regulations: routing through gates to territorial sea, deconstruction, avoid crossings, bundled routing, shipping safety

Cables and Pipelines: spatial designations

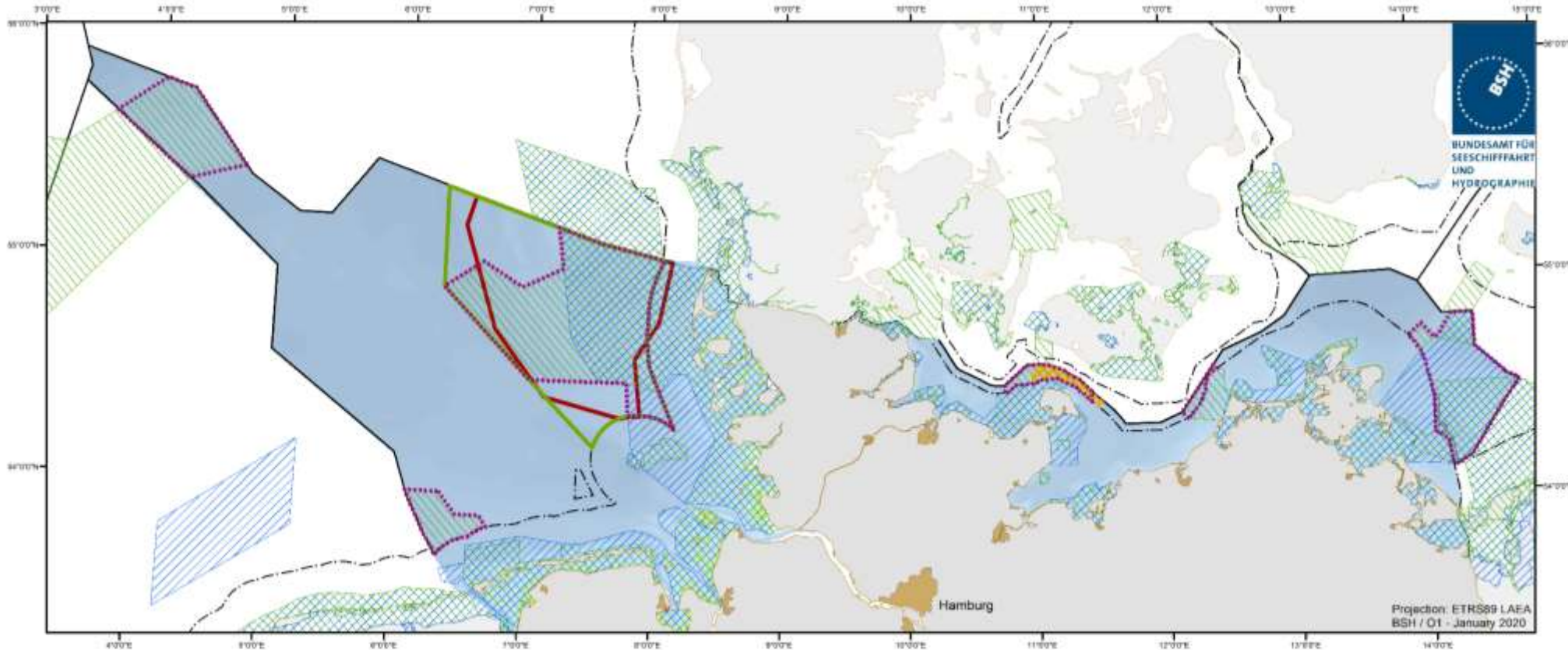


<p>Current situation</p>	<ul style="list-style-type: none">• Marine nature protection is a fundamental spatial function requirement to be taken into account when space is claimed by other uses.• Transboundary nature of the marine environment.• Existing MSPs do not contain spatial designations for marine nature protection.• Natura 2000 sites presented for information only.• Specific regulations for other uses refer to marine nature protection. In particular, the exclusion of offshore wind turbines in Natura 2000 sites serves to protect specially protected areas.• Different instruments in the EEZ with regard to nature protection: MSFD measures, management plans of nature protection areas.
--------------------------	---

Overview on Natura2000 areas in German and adjacent waters







BUNDESAMT FÜR SEESCHIFFFAHRT




BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Projection: ETRS89 LAEA
BSH / 01 - January 2020

Areas for Nature Protection

-  Nature protection area German EEZ
-  Main concentration area divers
-  Main distribution area harbour porpoises
-  Bird migration area Fehmarn Belt

- Natura2000 areas**
-  birds Directive sites
 -  habitats Directive sites
 -  both birds and habitats Directive sites

- Borders**
-  Territorial Sea
 -  EEZ
 -  International border


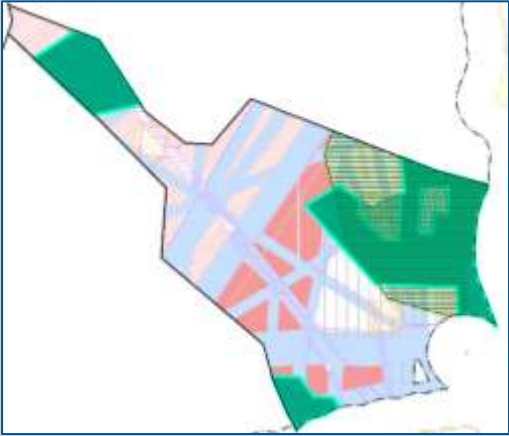

-  Northern Approach Seaports of Swinoujscie and Szczecin*

* This area is not covered by the concept for the MSP revision due to conflicting legal positions. Due to German opinion this area is part of the German EEZ, whereas in relation to Poland no rights or sovereign powers are exercised. Due to Polish opinion this area is part of the Polish territorial sea.

<p>Main requirements by sector stakeholders</p>	<p>Based on comments on 1st inquiry of interests and expert workshops:</p> <ul style="list-style-type: none">• Spatial designations of nature protection areas and for areas with special ecological function.• Zoning of protected areas.• Definition of exclusion areas for certain uses.• Connection of ecologically important areas ("migration corridors").• Consequent implementation of the ecosystem approach.• Application of nature conservation concerns in planning criteria (for all uses).
---	--

Nature Protection Spatial designations

North Sea

Planning option A	Planning option B	Planning option C
		
<p>(1) Designation of marine nature protection areas as reservation areas for nature protection.</p>	<p>(1) Designation of marine nature protection areas as priority areas for nature protection.</p>	
<p>(2) Reservation area for divers</p>	<p>(2) Reservation area for divers</p>	<p>(2) Priority area for divers (3) Priority area for harbour porpoises (May to August)</p>

Nature Protection Spatial designations

Baltic Sea

Planning option A



Designation of marine nature protection areas as **reservation areas** for nature protection.

Planning option B



Designation of marine nature protection areas as **priority areas** for nature protection.

Planning option C



Reservation area 'Bird migration corridor Fehmarn-Lolland' for the protection of migrating birds.

Nature Protection Regulations

- Avoidance of threats to the marine environment through adverse impacts from economic or scientific uses.
- Long-term safeguarding and development of the EEZ as a natural environment through efficient and careful use of natural resources.
- Avoidance and mitigation of adverse effects on the ecosystem, taking into account the precautionary principle and the ecosystem approach.
- Consideration of best environmental practice and state of the art for all economic and scientific uses.
- Avoidance of damage to or degradation of known legally protected biotopes.
- Consideration of MSFD implementation measures.

Nature Protection

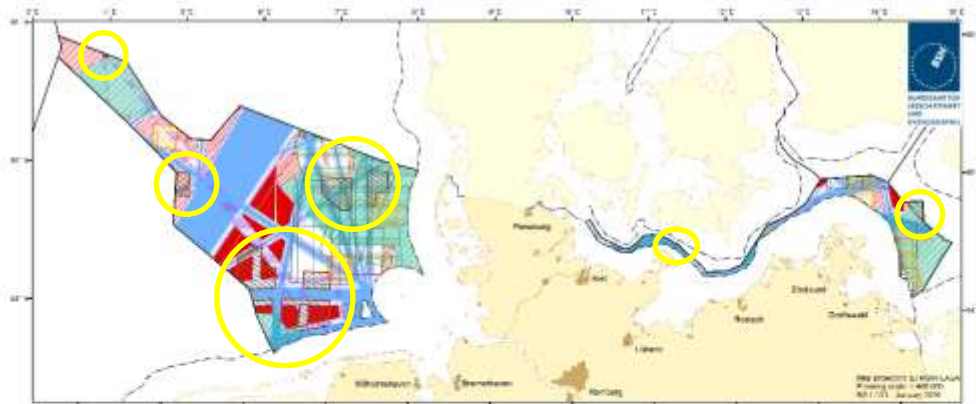
International comments

- Only few comments from international stakeholders
- comments mainly refer to scope of environmental assessment, e.g. consideration of new MPAs
- It is vital to prevent significant cumulative adverse effects on bird life or other marine organisms => request to take cumulative impacts into account in the SEA and in the plan by defining relevant prevention and mitigation measures.
- Dredging of the route to the north from the roadstead of ports of Świnoujście and Szczecin (route No. SO6) might be precluded due to designation as priority area for nature protection.

Resource extraction

MSP 2009	<ul style="list-style-type: none">• Sites for the extraction of natural resources were displayed for information only.• No spatial designations.
Current situation	<ul style="list-style-type: none">• Shortage of onshore sand and gravel resources to meet demand.
Competition / conflicts	<ul style="list-style-type: none">• Permit areas for hydrocarbon extraction overlay offshore wind areas.• Permit areas for sand and gravel extraction situated in Natura2000 areas.

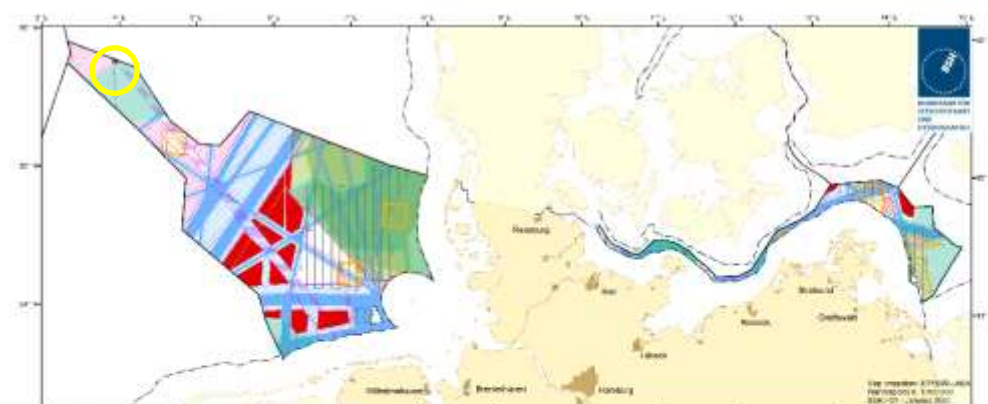
Spatial designations: Resource extraction



Concept for MSP revision for the German EEZ - planning option A: traditional uses



- Option A and B have identical designations for priority and reservation areas for resource extraction
- Extraction of hydrocarbons possible in priority areas offshore wind and reservation areas for shipping. Sand and gravel extraction is possible in nature protection areas



Concept for MSP revision for the German EEZ - planning option C: nature protection



- Only priority area for an existing gas platform
- No spatial designations for sand and gravel extraction in nature protection areas
- No spatial designations for hydrocarbon extraction in offshore wind designations

Comments

- Recommendation to display hydrocarbon mining permits in the Baltic Sea, esp. Pomeranian Bay

Resource extraction

Regulation

- Deconstruction of structural extraction facilities.
- Consideration and distance to pipelines and submarine cables.
- Enabling and developing exploration and extraction.
- Continuous documentation of knowledge.
- Concentration of extraction.
- No obstruction of traffic.
- Consideration of the interests of fishing.
- Avoidance of adverse effects on the marine environment.
- Consideration of sites of cultural assets.

Designations: Defense

MSP 2009

- Display of military training sites for information purposes only.
- No spatial designations for defense.

Current
Situation

- German Armed Forces see the necessity for increased usage of the EEZ in North and Baltic Sea for training purposes.

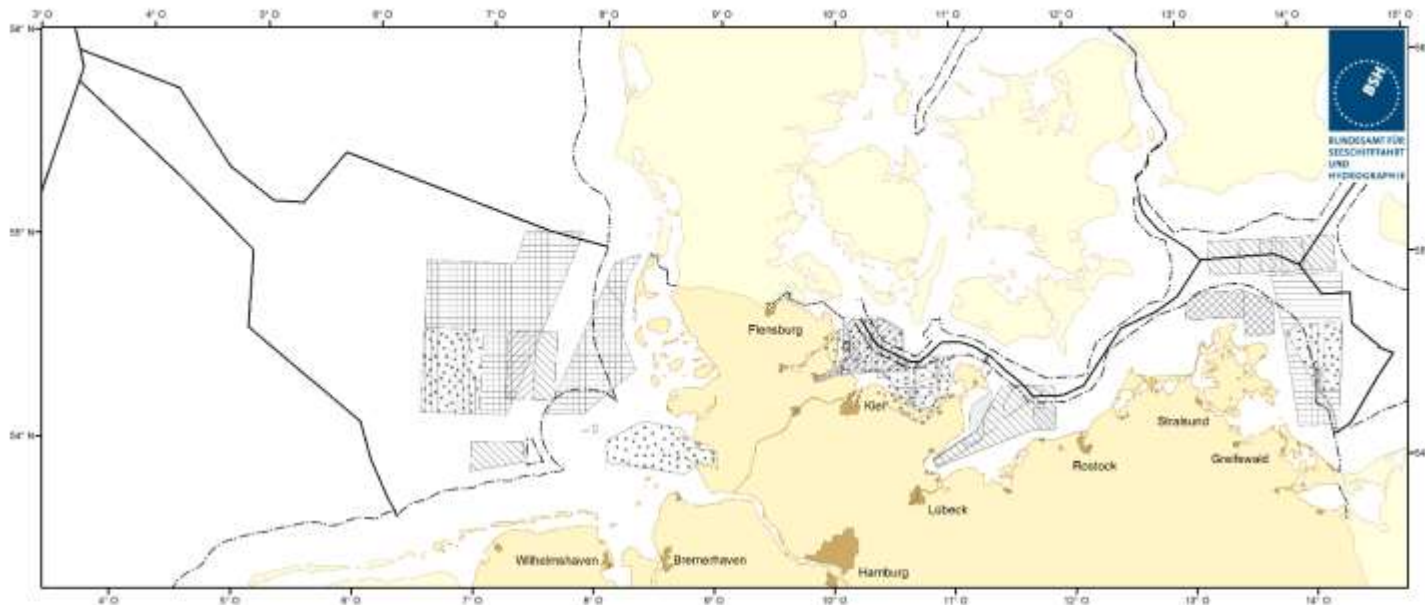
Competition
/ Conflicts

- Competition with fixed infrastructure (windparks), and to a certain extent with cables (safe-bottoming areas for submarines).

Defense



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE



Current military training sites for German and NATO allied forces

Militärische Übungsgebiete

-  Schiess-Übungsgebiet
-  Flugübungsgebiet
-  Torpedo-Übungsgebiet
-  Minenjagd-Übungsgebiet
-  U-Boot-Tauchgebiet
-  Sperrgebiet
-  nicht klassifiziert

- No spatial designations
- For information only
- German spatial laws does not allow spatial designations for military training areas
- Consideration of the interest of defense in spatial and textual designations of other uses

*Außenreede der Häfen Stralsund und Swinemünde: Dieser Bereich ist vom Raumordnungsplan wegen widersprechender Rechtsauffassung nicht erfasst. Nach deutscher Ansicht handelt es sich um einen Teil der deutschen ANZ, wobei insbes. im Verhältnis zu Polen keine Rechte und Pflichten geltend gemacht werden. Nach polnischer Ansicht ist dieser Bereich Teil des polnischen Küstenmeeres.

Koordinatensystem: ETRS89 LAEA
Planungsmaßstab: 1:400.000
BSH | 01 - Januar 2020

Comments

- Recommendation to display the specific designations of the military uses in the MSP

Current situation

- No fisheries around and within offshore wind farms
- In general no passage through offshore wind farms permitted (currently only few exceptions)
- As part of the management plans for nature conservation areas in the EEZ extensive fishery restrictions are going to be implemented in the North and the Baltic Sea (based on negotiations with neighbouring countries and to be approved by the EU / through CFP-measures)
- Extensive further expansion of areas for offshore wind energy – fishery industry fears further loss of access to fishing grounds and means of income

Approach / Regulations

- No extensive spatial designations in favour of fishery, but:
- Assessment of multi-use / compatible uses within / around offshore wind farms and close to turbines / cables / pipelines, incl. specification of accepted techniques / gear / target species / passage rules – for more detailed regulations adequate planning level has yet to be specified
- One spatial designation: reserve area for specific fishery on Norway Lobster in North Sea

Current
situation

- No aquaculture in German EEZ yet
- Dedicated research recommends commercial aquaculture in offshore wind zone 1 (southern part) in North Sea EEZ

Approach /
Regulations

- No extensive spatial designations in favour of aquaculture, but:
 - Assessment of multi-use / compatible uses within / around offshore wind farms, incl. specification of accepted technics / passage rules etc: for more detailed regulations adequate planning level has yet to be specified
 - General textual regulations „Aquaculture“
 - General textual regulations related to „Offshore Wind Energy“, and other planning issues where appropriate

Current situation

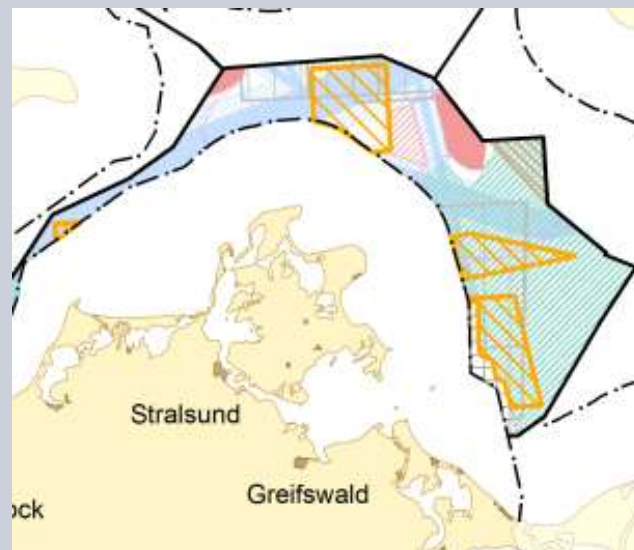
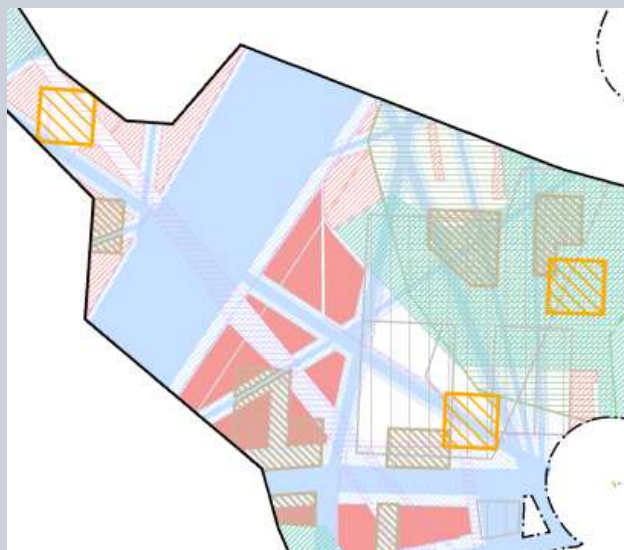
- In MSPs 2009 designation of research areas for fishery research, areas have been kept free from fixed infrastructure
- Research institutes complain about restrictions on access to offshore wind farm areas for independent research activities, incl. E.g. ecology, hydrology, under water heritage etc.
- Further offshore wind development may be in conflict with current location of some fixed positions of marine environmental monitoring networks
- Further (mostly fishery) research areas asked to be included in MSPs as reserve areas for research, in order to be kept free from infrastructure in the course of further offshore wind development

Approach / Regulations

- Assessment for conditions for access of research vessels and use of equipment: for more detailed regulations adequate planning level has yet to be specified
- Assessment which further areas to be included as reserve areas for research as well as possibility to relocated fixed monitoring positions not yet completed
- General provisions facilitating general marine research to be included in regulations for offshore wind activities

Planning Option A

Planning Option A



North Sea

Baltic Sea

Reserve Areas Marine Research
(Fisheries Research Areas Thünen-Institute)

Comments

- Research activities (Baltic Sea) should not interfere with regular navigation.

Underwater Cultural Heritage

Current
Situation

- General provision in MSPs to take known locations and finds of UCH into account for all activities which might affect them
- Currently no appointed administration responsible for UCH in German EEZ

Approach /
Regulations

- Assessment for conditions for research on UCH incl. cooperation with planning administration and offshore wind developers regarding soil investigations → for more detailed regulations adequate planning level has yet to be specified
- General provisions regarding consideration of known finds of UCH, as well as handling of new finds and cooperation with heritage authorities, to be included in regulations for offshore wind activities, cable and pipeline laying, mining and mineral extraction

Current
Situation

- No designations / regulations in current MSPs
- For some offshore wind farms specific rules of navigation allow for passage of small vessels through the wind farm and its surrounding safety zone

Approach /
Solution

- Assessment for conditions for general rules of navigation for offshore wind farms and their safety zones are being discussed. They would e.g. benefit leisure craft and fishery vessel passage. → for more detailed regulations adequate planning level has yet to be specified

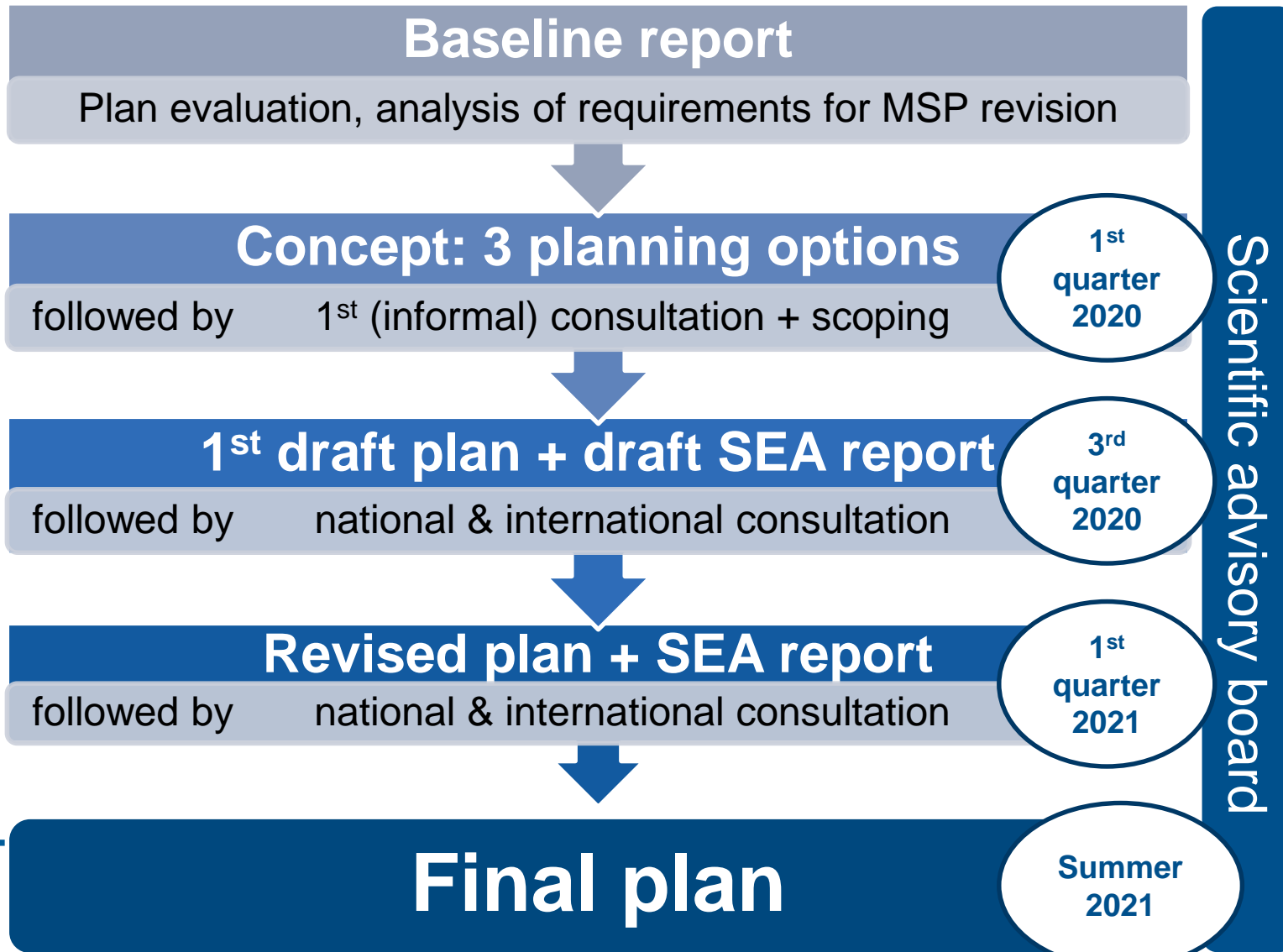


Further Planning Steps

Next Steps

- **Documentation** of Online-Meeting
- Offer to neighbouring countries to hold **additional meetings**: bilateral / sectoral / on specific topics
- Elaboration of **full first draft MSP** (single document covering both North and Baltic Sea)
- Elaboration of **first draft of SEA / Environmental Reports** (for North and Baltic Sea each)
- **Publication** (translated) of MSP and SEA Reports and **Public Consultation** in 3rd/4th quarter 2020

MSP revision process German EEZ



Thank you very much!



Further information:
https://www.bsh.de/EN/TOPICS/Offshore/Maritime_spatial_planning/Revision/revision_node.html



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

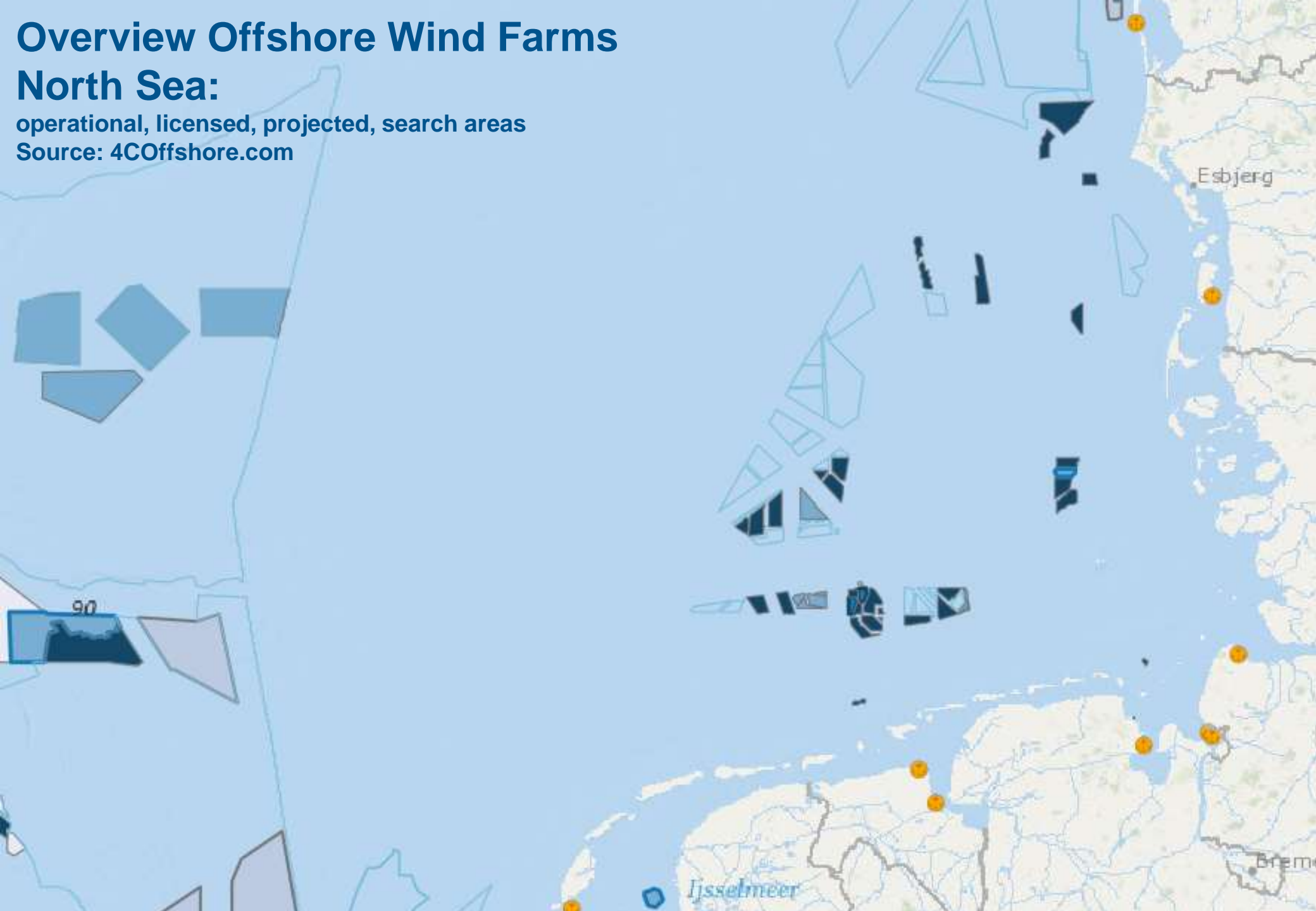
Back-up

Overview Offshore Wind Farms

North Sea:

operational, licensed, projected, search areas

Source: 4COffshore.com



Overview Offshore Wind Farms

Baltic Sea:

operational, licensed, projected, search areas

Source: 4COffshore.com

