

BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Offshore Energy and Maritime Spatial Planning in the German EEZ

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Federal Maritime and Hydrographic Agency – "On Duty for Shipping and Seas"

PartiSEApate Stakeholder Workshop Offshore Energy – Vilnius, 12.-13. Nov. 2013

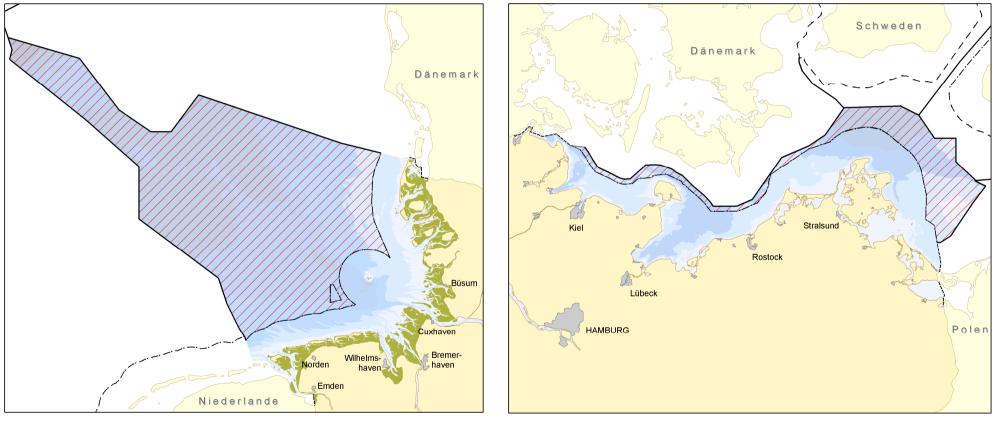
German Exclusive Economic Zone



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→ EEZ not part of German territory

→ Federal Government: licensing, planning

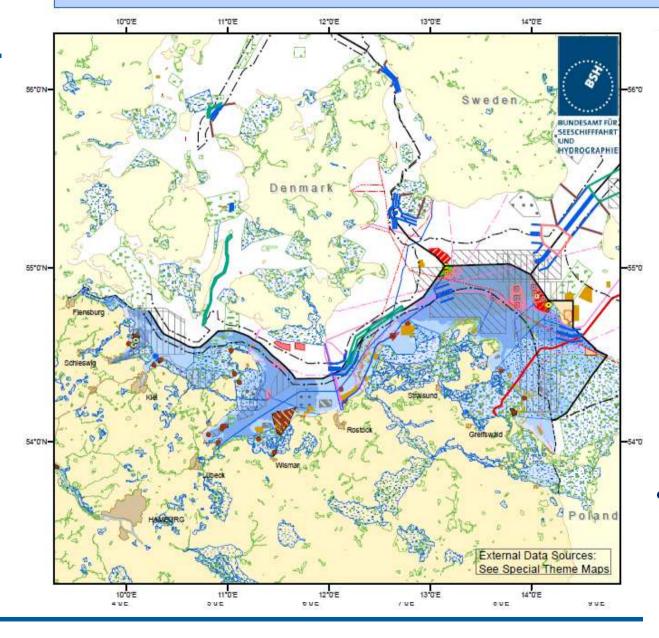


North Sea : 28.600 km²

Baltic Sea : 4.500 km²

Baltic Sea: Existing and Perspective Uses and Nature Conservation





Multitude of uses in/on/of the Sea

"Traditional" uses and activities:

- Shipping
- Fisheries incl. Aquaculture
 - Oil and Gas Industry
- Sand and Gravel Extraction

Pipelines

- Power & Telecommunication
 Cables
 - Military training
 - Scientific Research
 - Nature Conservation Sites "New" developments:
- Large-scale Offshore-Wind Farms (target for German Sea Areas: <u>25.000 MW</u> by 2030
 - ➔ majority to be realised in North Sea EEZ)

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CERCELUSEE ALLOS

Regulatory Competence for MSP in the EEZ

Full jurisdiction based on sovereignty of the coastal StateFull jurisdiction based on sovereigny of the coastal StateSovereign rights for the purpose of economic exploitation (resources, energy production etc.) - acc. to UNCLOS Jurisdiction for: • Artificial islands, installations, structures • Scientific research • Environmental protection	Internal Waters (landwards of baseline)	Territorial Sea (12 nm seawards of baseline)	Exclusive Economic CRAPH Zone (max. 200 nm seawards of baseline)
 → <u>MSP jurisdiction</u> imited by the right of innocent passage of foreign ships Artificial islands, installations, structures Scientific research Environmental protection 	sovereignty of the coastal	sovereigny of the coastal	purpose of economic exploitation (resources, energy production etc.) - acc. to UNCLOS
	→ Full MSP jurisdiction	limited by the right of innocent passage of	 Artificial islands, installations, structures Scientific research



 Guiding principle in Germany is a sustainable spatial development, which brings the social and economic demands regarding space in line with its ecological functions and leads to a permanent, large scale balanced order (§ 1 ROG).



MSP – German spatial planning for the EEZ

2005ff:

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- procedure started in 2005
- questionnaire on uses and interests
- scoping meeting concerning SEA report
- ➔ BSH drafted maritime spatial plan incl. strategic environmental report (SEA directive)

2008:

- public participation in summer 2008 (two hearings),
- international consultation

2009

- new round of participation in May 2009 because of changes
- legal ordinance (incl. spatial plan) for EEZ of North Sea set into force on 26th September 2009
- legal ordinance (incl. spatial plan) for the EEZ of the Baltic Sea set into force on 19th December 2009

Main Driver



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Renewable incl. Offshore Wind Energy Policy*

- Jan. 2002 Government Strategy Paper on Offshore Wind Energy (OWE): 500 MW by 2006; 2 – 3 GW by 2010; 20 – 25 GW by 2025 – 30
- Dec. 2006 Energy Law Revision grid connection obligation for TSPs
- IEKP (Integrated Energy and Climate Programme of 2007): 25 GW target of offshore wind energy by 2030 confirmed
- EEG (Renewable Energy Act) Revision of 2008: 30 % of German electricity supply from RED by 2020, higher Feed-In-Tariff for OWE
- Energy Strategy Paper of 2010 confirmed 25 GW target, min. 80 % RES share by 2050, 10-Points-Immediate-Action-Programme
- June 2011 revised Energy Legislation of 2011 (post-Fukushima), Nuclear Phase-out by 2022, incl. Renewable Energy Act revision: min. 35 % from RES by 2020 (25 % in 2012); National Grid Planning (onshore)
- Nov./Dec. 2012 Energy Law revision, "system change" for offshore grid, incl. liability regime and a new offshore-grid development plan, i.e. synchronised development of OWF with offshore grids



*Compilation:. A.Wagner, Stiftung Offshore Windenergie

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Main Drivers

Spatial Claims for Offshore Wind Farms

- Target in D: 25.000 MW Offshore Wind energy by 2030 in the EEZ and the territorial sea
- Based on turbines with 3 bis 5 MW: 5.000 up to 8.000 turbines necessary (mid-term/long-term only > 5MW)
- Coverage of ca. 15 % of the German EEZ

BUT:

Need to keep open safe and efficient shipping routes **Need to protect Nature Conservation areas from** conflicting activities







MSP – German spatial planning for the EEZ

General types of regulations:

- planning target (legally binding for sectorial planning on project level, e.g. wind farms)
- **planning principle** (guideline that needs to be particularly considered in the decision process)

Spatial designations – main Area types:

- **priority area** (Vorranggebiet): area reserved for a defined use, other conflicting uses are excluded
- **reservation area** (Vorbehaltsgebiet): area with a special weight for a defined use in the balancing of interests

with regard to

- ➔ economic and scientific use
- → ensuring safety and efficiency of maritime traffic
- → protection of the marine environment.

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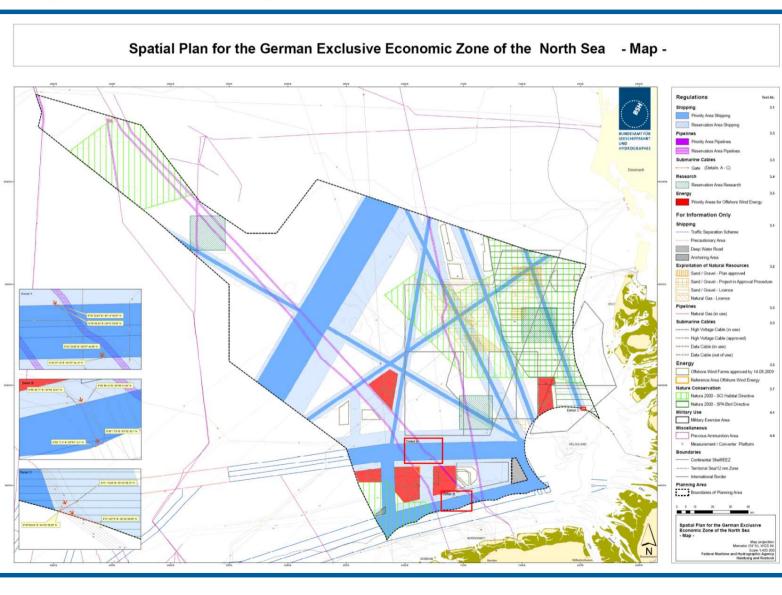


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UND

Maritime Spatial Plan EEZ North Sea (2009)



Sets Targets (legally binding) and Objectives for Spatial Development: e.g.:

- Priority areas for wind energy (red)
- Shipping corridors to be safeguarded
- no turbines in Natura 2000 areas
- gates (EEZ 12nm Zone) for electricity cables

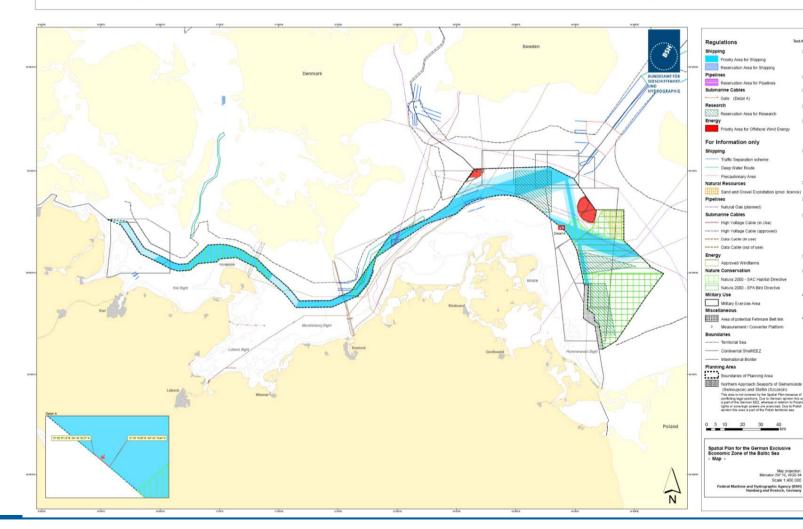


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HYDROGRAPHIE

Maritime Spatial Plan EEZ Baltic Sea (2009)

Spatial Plan for the German Exclusive Economic Zone of the Baltic Sea - Map -



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UND

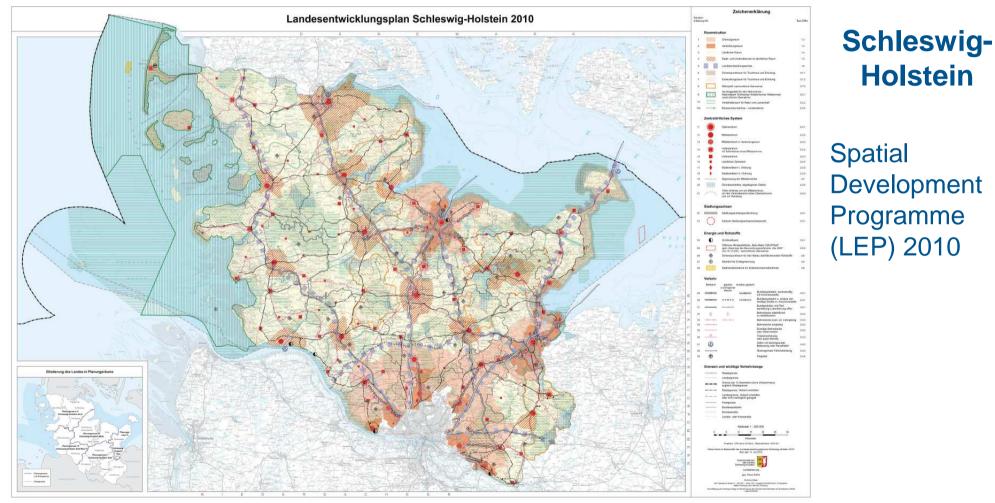
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Territorial Sea



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→ Territorial Sea / 12nm Zone administered by Federal Coastal States

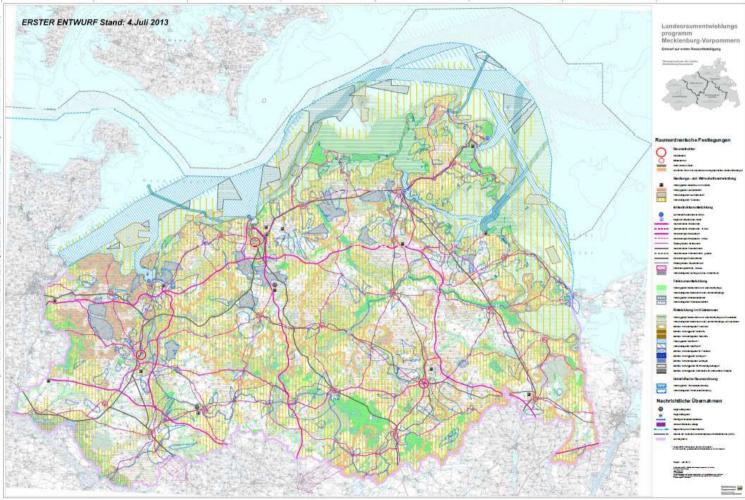


Territorial Sea



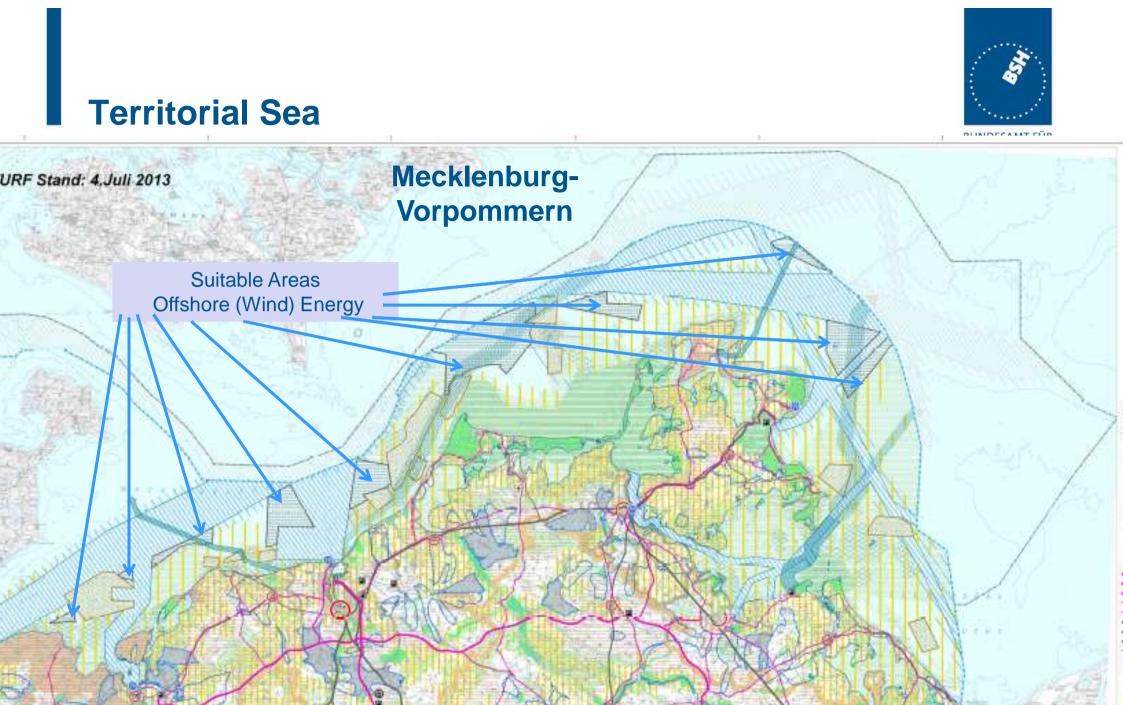
SEESCHIFFFAHR

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Mecklenburg-Vorpommern

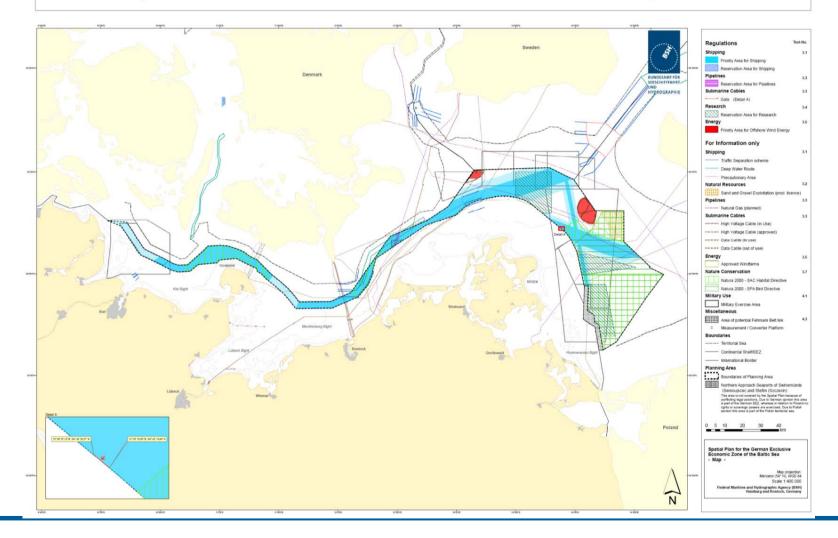
Draft Spatial Development Programme (Summer 2013 due to further national and international consultation)



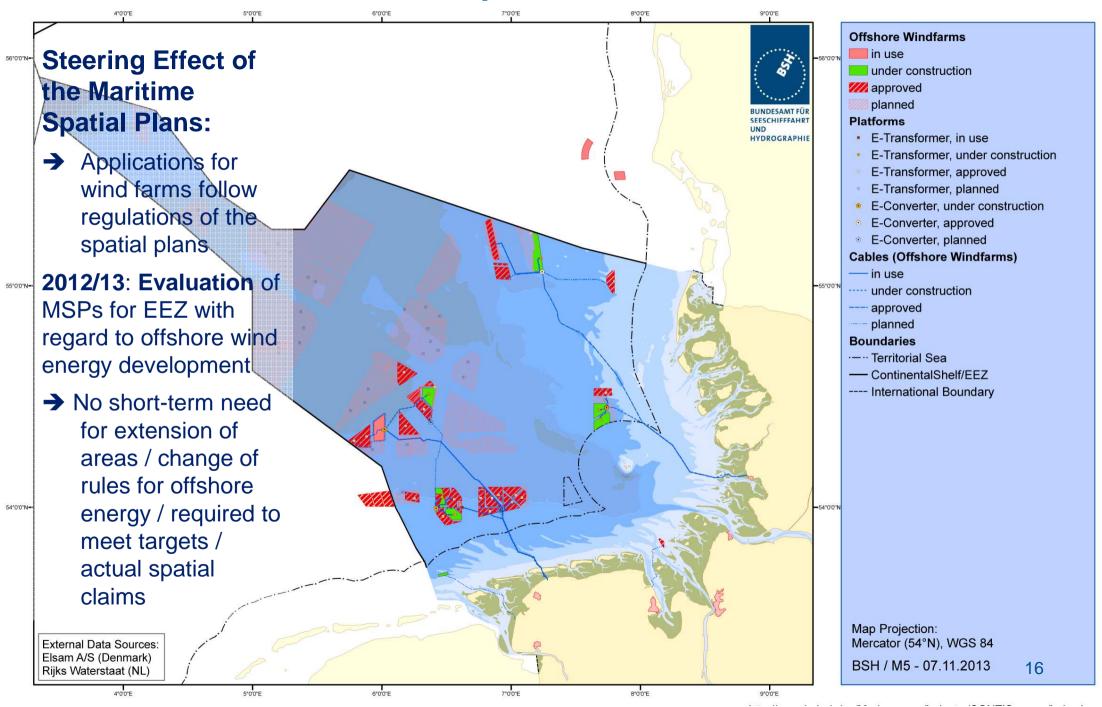


Maritime Spatial Plan EEZ Baltic Sea (2009)

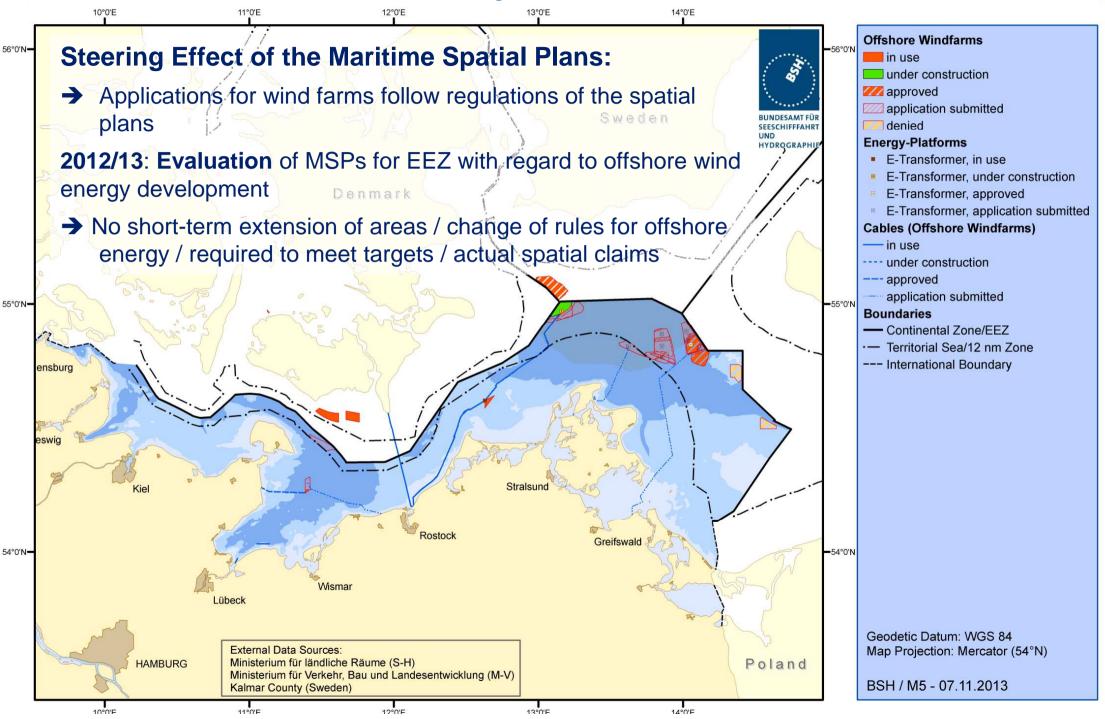
Spatial Plan for the German Exclusive Economic Zone of the Baltic Sea - Map -



Offshore Wind Farm Development North Sea



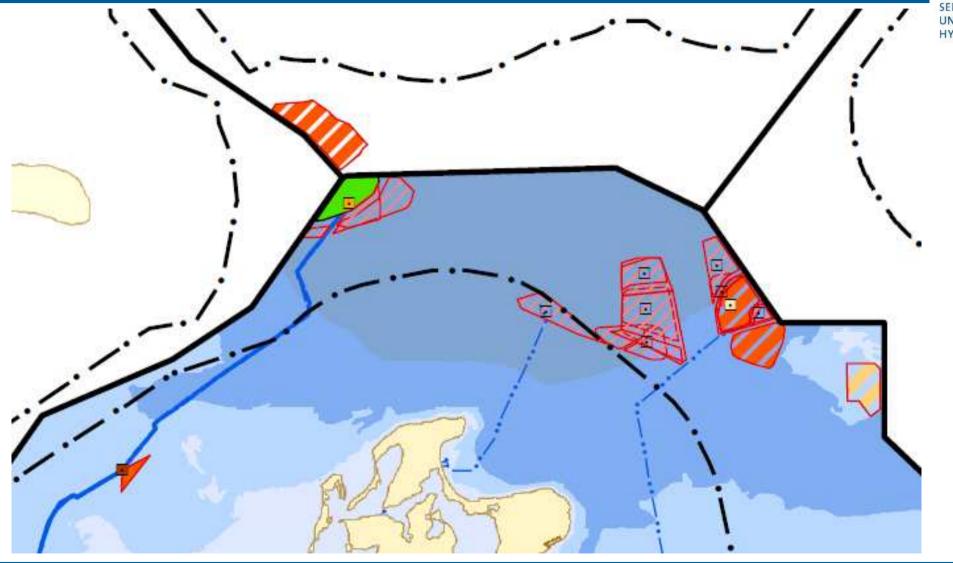
Offshore Wind Farm Development Baltic Sea





Offshore Wind Farm Development Baltic Sea

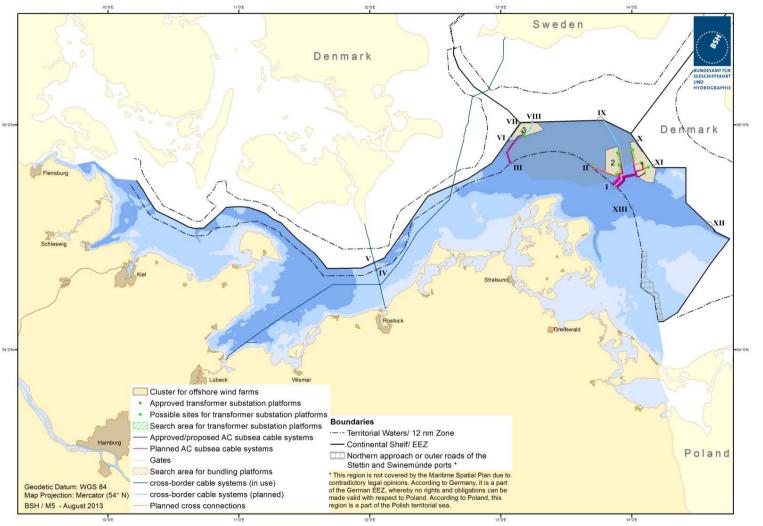
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Offshore Grid Plan – Revised Draft August 2013

Revised Draft of Spatial Offshore Grid Plan Baltic Sea EEZ 2013 overall planning



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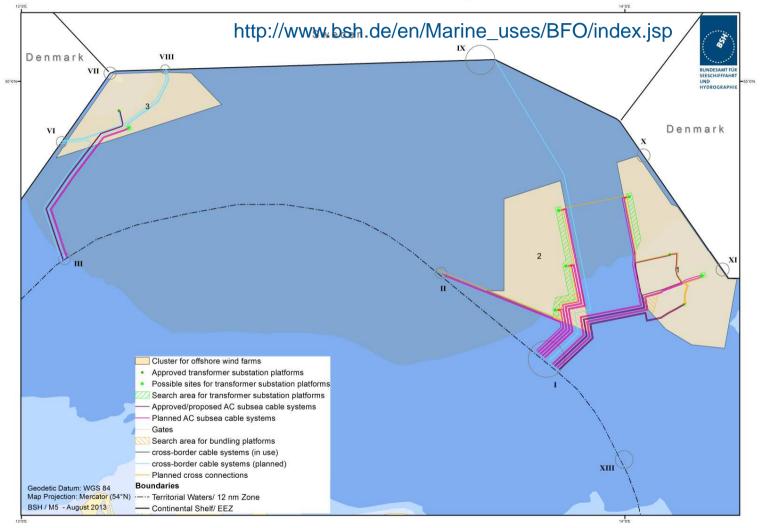
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Thank You !

🕯 Sapellarf April 20



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