The Federal Maritime and Hydrographic Agency

Provide:

- Services to Shipping (flag state authority)

- Nautical and hydrographic information services

- Marine data and services (e.g. storm surge warnings)

Ensure:

- Environmental protection in maritime transport

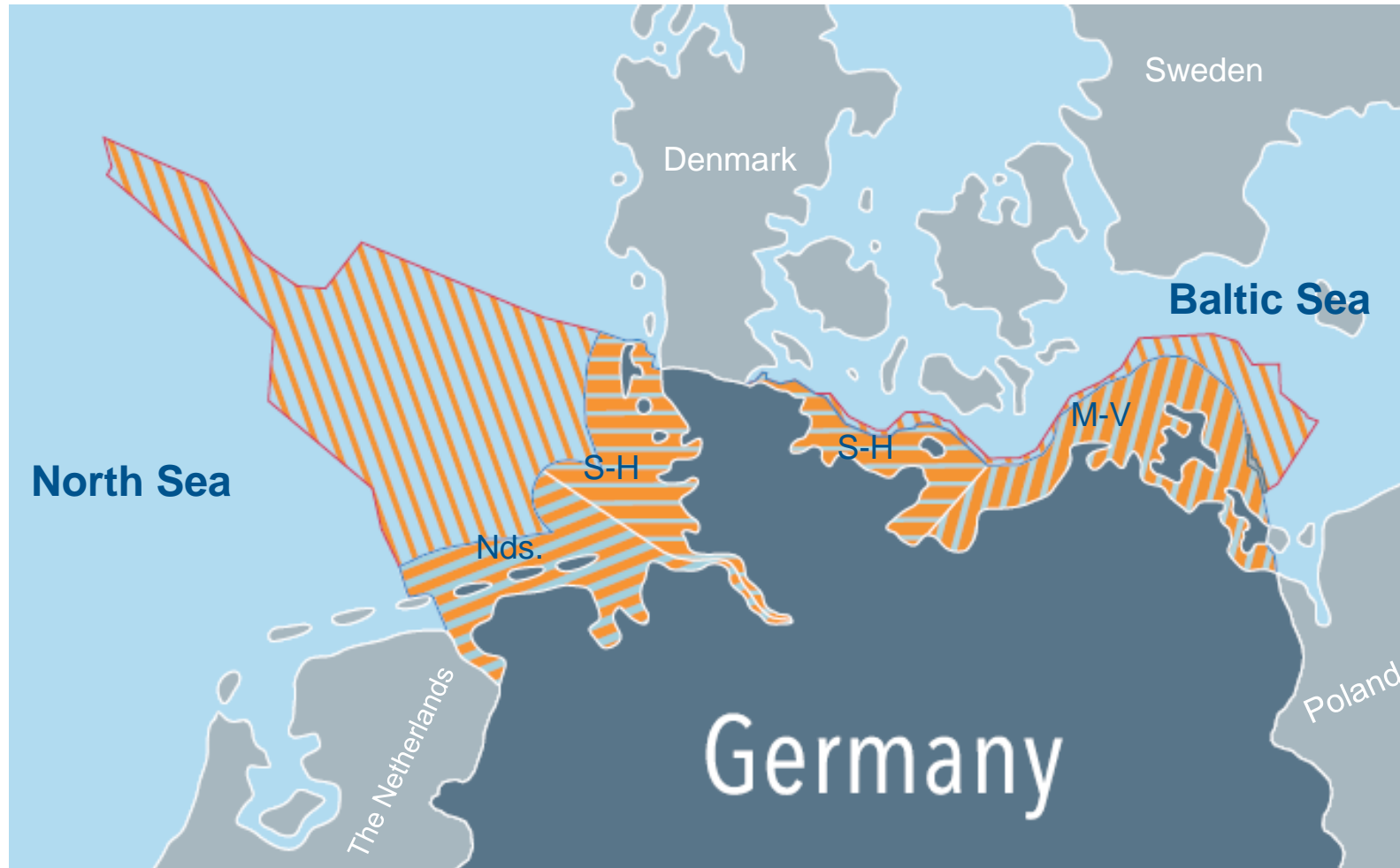- Maritime navigational safety and security

Governance:

- Maritime spatial planning

- Approval of offshore windfarms in the EEZ

Hamburg

Rostock

Hamburg

1000 staff
5 vessels
Laboratories

German Waters

Exclusive economic zone

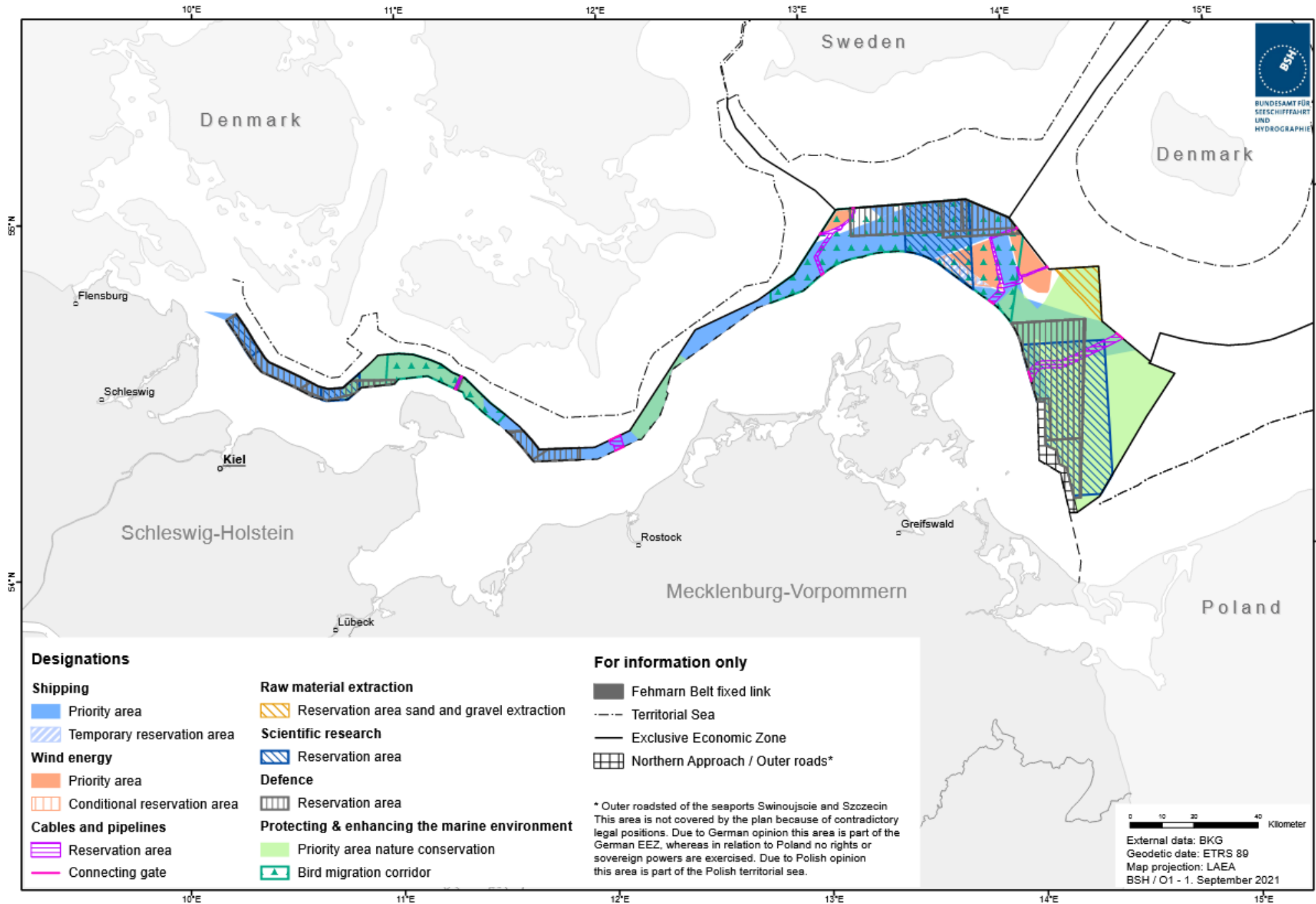Federal Government in the North and Baltic Sea

North Sea 28,500 km^2
Baltic Sea 4,500 km^2

Territorial seas

Land Niedersachsen
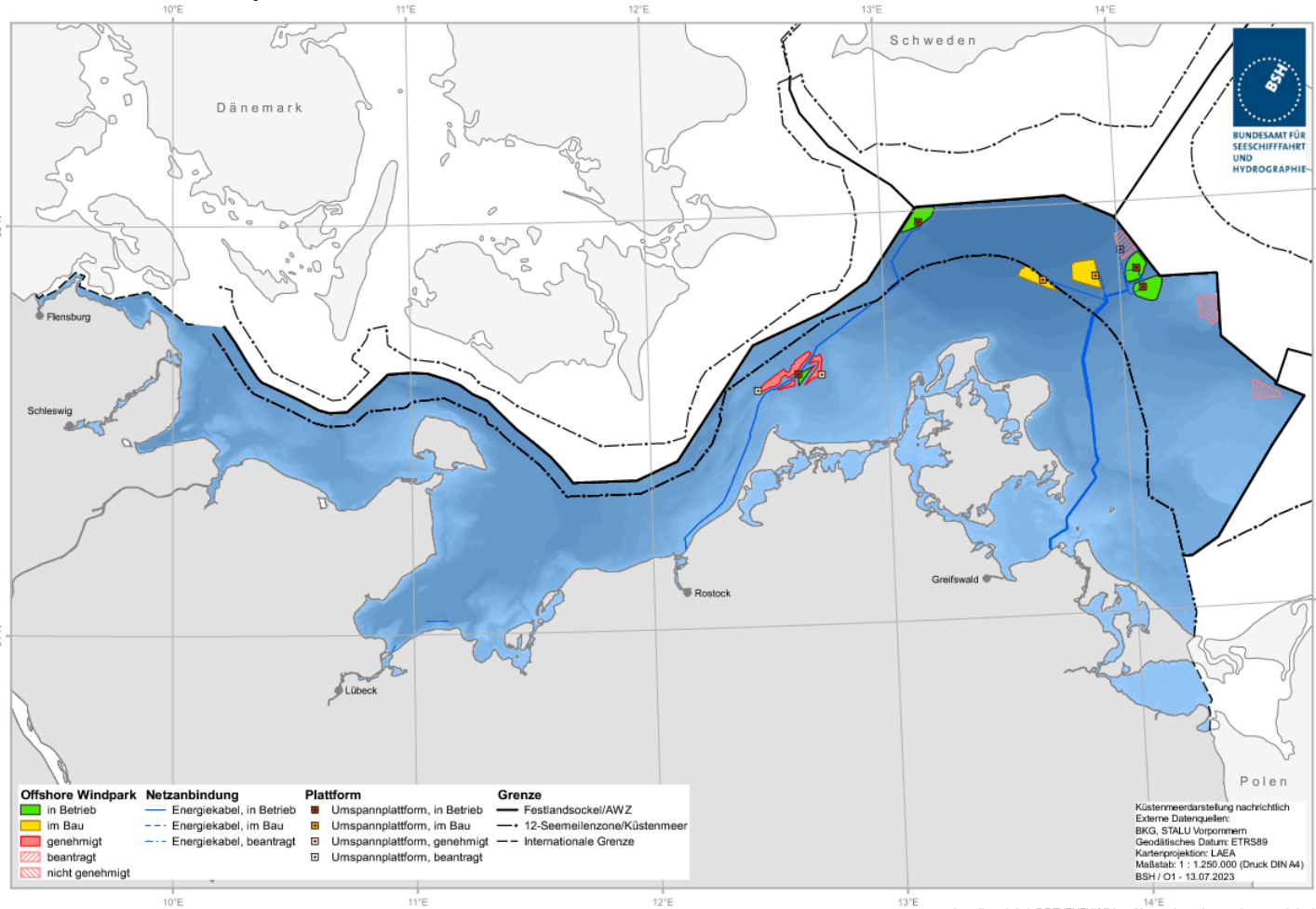Land Schleswig-Holstein
Land Mecklenburg-Vorpommern

North Sea 12,500 km^2
Baltic Sea 10,900 km^2

Maritime Spatial Plan for the German exclusive economic zone in the North Sea and the Baltic Sea - Map Baltic Sea

Designations

Shipping
- Priority area
- Temporary reservation area

Wind energy
- Priority area
- Conditional reservation area

Cables and pipelines
- Reservation area
- Connecting gate

Raw material extraction
- Reservation area sand and gravel extraction

Scientific research
- Reservation area

Defence
- Reservation area

Protecting & enhancing the marine environment
- Priority area nature conservation
- Bird migration corridor

For information only
- Fehmarn Belt fixed link
- Territorial Sea
- Exclusive Economic Zone
- Northern Approach / Outer roads*

* Outer roadsted of the seaports Swinoujscie and Szczecin
This area is not covered by the plan because of contradictory
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.

External data: BKG
Geodetic date: ETRS 89
Map projection: LAEA
BSH / O1 - 1. September 2021

3

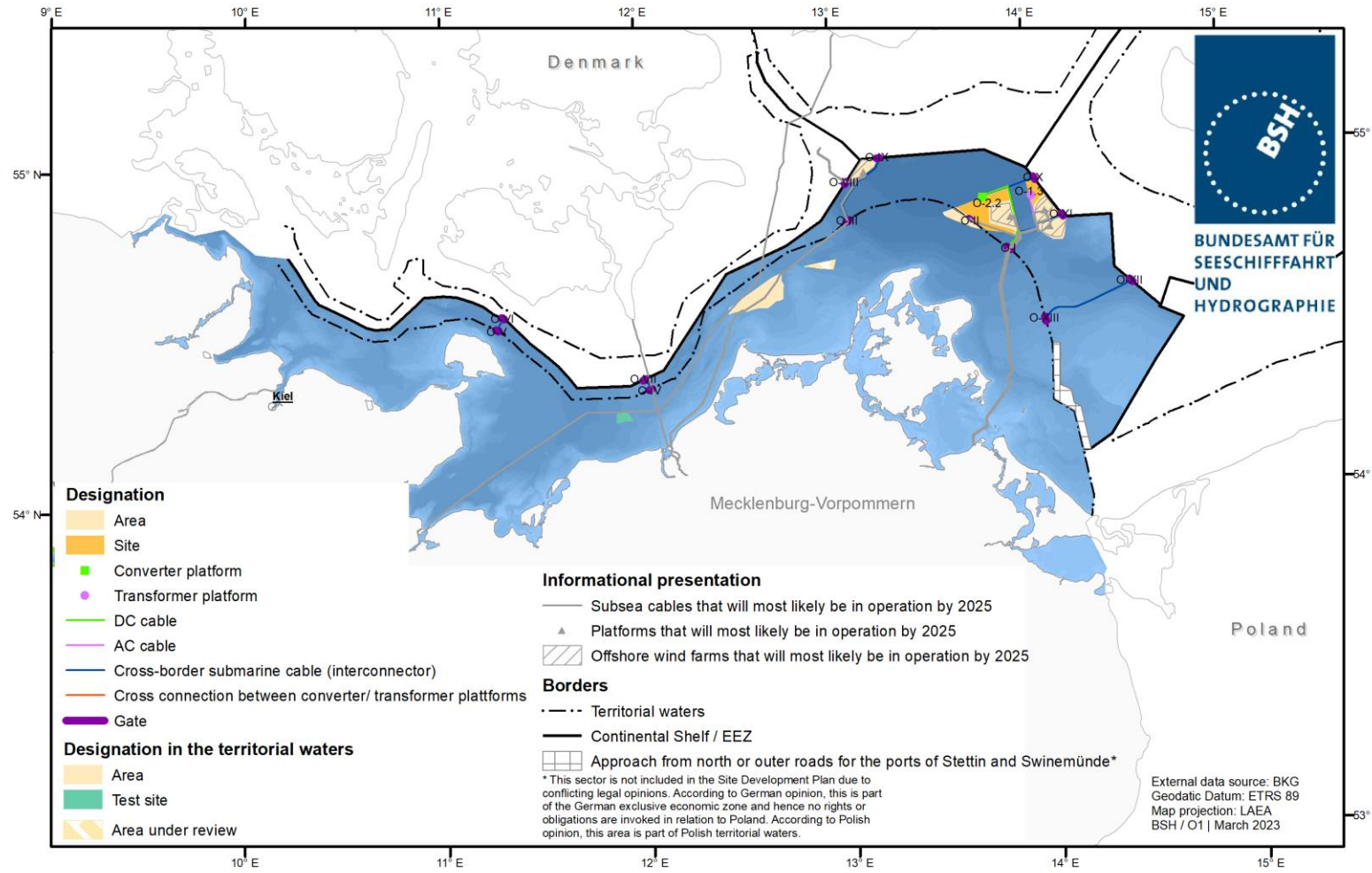# Status offshore wind development – Baltic Sea

Ostsee: Offshore Windparks

**Baltic Sea:
4 wind farms in operation:
231 turbines
1.1 GW**

Baltic Sea

Designations for
1.3 GW

3. Site Development Plan Baltic Sea, published in January 2023

windfarms in the area of the German Exclusive Economic Zone (EEZ)			
project / windfarm	**status**	**turbines**	**MW**
Arkona- Becken Südost	trial operation since 2018	60	384
Wikinger	trial operation since 2018	70	350
EnBW Baltic 2	trial operation since 2015	80	288
Baltic Eagle	under construction	50	476,25
Windanker	approval requested	21	300
O-2.2	Scoping	in progress	1000

windfarms in the area of German costal waters			
project / windfarm	**status**	**turbines**	**MW**
Gennaker	approval granted	103	927
EnBW Baltic 1	trial operation since 2011	21	48,3
ARCADIS Ost 1	trial operation since 2023	27	247

Management strategy – Reducing the noise input

Mitigation of sound emmission at the source

Holistic Approach for Monitoring and Assessment

- Enforcement of a **noise threshold at activity level** and **monitoring** of compliance (measurements)

Threshold: 160 dB re $1\mu Pa^2 s$ (SEL_{05}) at 750 m source distance

- Long-term and large-scale **survey on occurrence and habitat use** of Harbour Porpoise

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