



Federal renewable energy targets

How do the federal targets affect North Rhine-Westphalia now and in the future?

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Background:

Reducing greenhouse gas emissions in Germany

- Paris Agreement 2015
 - Limit global warming to 1.5° Celsius
- > German Federal Targets:
 - Reducing greenhouse gas emission by 55 % by 2030
 - Reducing greenhouse gas emission by 88 % by 2040
 - Climate neutral by 2045, therefore electricity must be climate neutral 2035
 - Coal Phase-out Act

Expansion path for renewable energies

Renewable Energy Sources Act

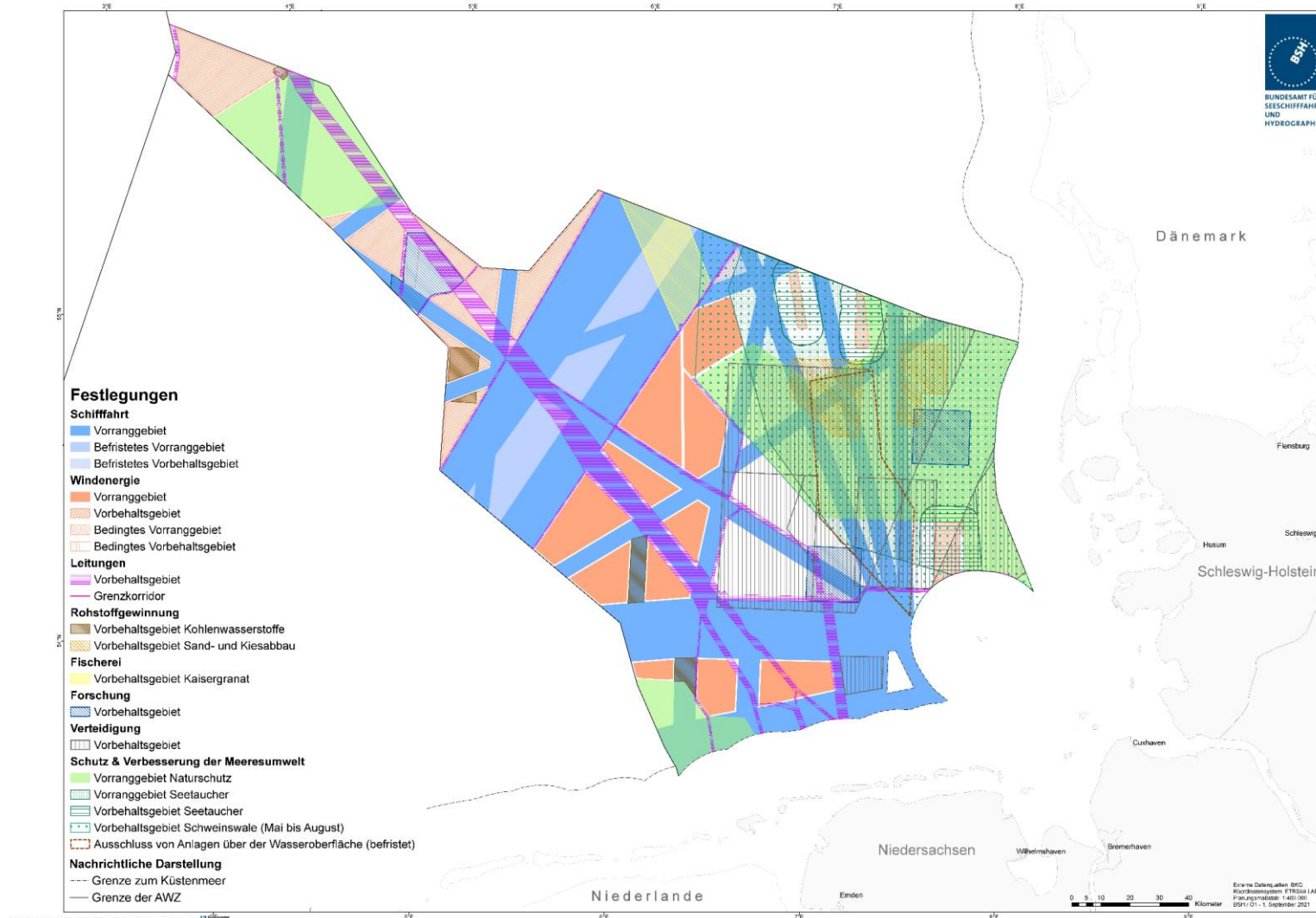


- Wind offshore
 - 6.4 gigawatts in 2019
 - Increase to 20 gigawatts by 2030
 - Increase to 40 gigawatts by 2040
- Wind onshore
 - 58.1 gigawatts in 2022
 - Increase to 115 gigawatts by 2030
- Solar energy
 - 82 gigawatts in 2023
 - Increase to 215 gigawatts by 2030

What does this mean for offshore wind energy?



Raumordnungsplan für die deutsche ausschließliche Wirtschaftszone in der Nordsee und in der Ostsee - Kartenteil Nordsee



What does this mean for onshore wind energy?



The Onshore Wind Energy Act of 2022

- 1.4 % of Germany's land area will be available for wind energy by 2027
- 2 % of Germany's land area will be available for wind energy by 2032
- Binding land-use targets for the states ("Länder"):
 - In North Rhine-Westphalia -> 1.8 % of its land area by 2032
-> 61.402 ha
- In addition to the areas designated for wind energy by the Planning Regions, local authorities can also plan additional areas for wind energy

What does it mean for onshore wind energy?



State Development Plan of North Rhine-Westphalia of 2024

- Binding land-use target of 1.8 % should be reached in the summer 2025
- Binding land-use targets for the different Planning Regions:
 - Planning Region Münsterland: 12.670 ha
 - Planning Region Düsseldorf: 4.151 ha
 - Planning Region Cologne: 15.682 ha
- Opening up areas for wind energy
 - Coniferous forest
 - Areas for nature protection except Natura 2000, Nature conservation areas, etc.

감사합니다
GRAZIE VINAKA
TERIMA KASIH
THANK YOU
TAKK
merci
謝謝
ありがとう



Hartelijk dank!

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