

Inventory climate-friendly Wadden Sea Region

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2030: CO2 neutral WSR

Political framework

At the 11th Trilateral Governmental Conference for the Protection of the Wadden Sea on Sylt in 2010, it had been stated that the Wadden Sea Region (WSR) shall develop into a CO2-neutral region.

§ 24 reads as follows: *"... support the global and national efforts to mitigate causes of climate change at the regional level, by calling especially upon local and regional competent authorities and stakeholders, to work towards **developing the Wadden Sea Region into a CO2-neutral area by 2030 or before, putting the focus on the special threats for coastal zones by global warming and sea level rise.**"*

In February 2014 the Tønder Declaration referred to that statement by addressing the following in §47: *"Appreciate the ongoing efforts, especially at the local and regional levels, to work towards developing the Wadden Sea region into a CO2-neutral area, and reconfirm the Sylt Declaration §24."*

Inventory on CO2 reduction goals

- **WSB November 2016: decision to do an inventory**
- **What is the state of the art of our governmental ambitions on CO2 reduction?**
- **Draft version now available***
- **WSB November 2017 final version**

Inventory on CO2 reduction goals

- **European level**
- **National level**
- **Local level**

In the fields of:

- **Greenhouse gases**
- **Energy (efficiency, sustainable supply generation)**
- **Capture and storage of CO2 (CCS)**
- **Emission trading**
- **Transport**
- **Agriculture (peatland, greenhouses, livestock)**

European level

- Greenhouse gases:

Goals

2020	20% less CO2 emissions compared to 1990 levels
2030	40% decrease in greenhouse gas emissions compared to 1990
2040	60% decrease in greenhouse gas emissions
2050	80-95% decrease in greenhouse gas emissions (climate-neutral), compared to 1990

- Energy:

2020	- 20% energy conservation (20/20/20)
	- new buildings are practically energy neutral
2030	- the energy efficiency should be improved by 27% relative to 1990.
	- Targets for buildings: A-label for energy
2050	- all houses should be energy-neutral

2020	- 20% sustainable energy compared to 1990 levels.
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2030	- the share of renewable energy should be at least 27%
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State of the art

- **Netherlands**
 - National level = EU policy
 - Provincial level: Province of Groningen wants to achieve 60% sustainable energy in 2035.

- **Germany**
 - National level = EU policy
 - County level:
 - Wittmund 2030: CO2 neutral as orientation value;
 - Cuxhaven county in 2030 complete power demand through renewable energy;
 - Dithmarschen: CO2 neutral in 2030 in sectors electricity, mobility and heat energy;
 - Nordfriesland aims to be in 2020 First CO2 neutral county

- **Denmark**
 - National level = EU policy
 - Municipality level:
 - Varde municipality: 2025: 40% electricity consumption through wind energy

Best cases WSR

- Netherlands

- Wadden Sea Islands aim to be self-sufficient in energy and water in 2020

- Germany

- Climate protection through moor development (peat)

The state of Lower Saxony has created a support programme to reduce the release of CO₂ and other greenhouse effects from carbon-rich soils, with a grant of up to 75%.

- Denmark

- Energy Programme Southern Denmark:

The region in cooperation with 14 municipalities have committed themselves to invest in energy efficiency in public buildings and streetlights. The project is envisaged to result in a CO₂ emission reduction of 16000 tons CO₂ per year.

Conclusions

- **Overall no specific governmental ambition on CO2 neutrality in 2030 in the WSR.**
- **Instead the focus is on 2050 (EU policy).**
- **There are some local governmental ambitions which are focusing around the year 2030 and best cases.**

→ **WSB November 2017, Final version**