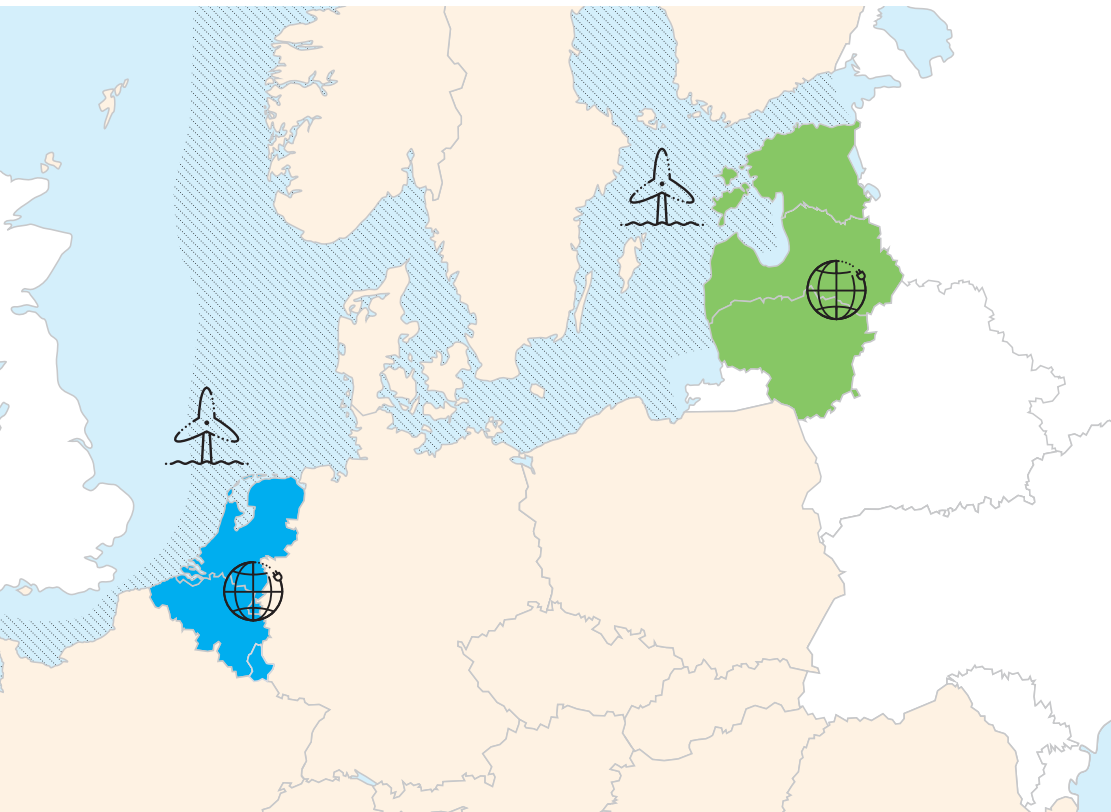


# BENELUX & BALTIC

## REGIONAL RENEWABLE ENERGY COOPERATION



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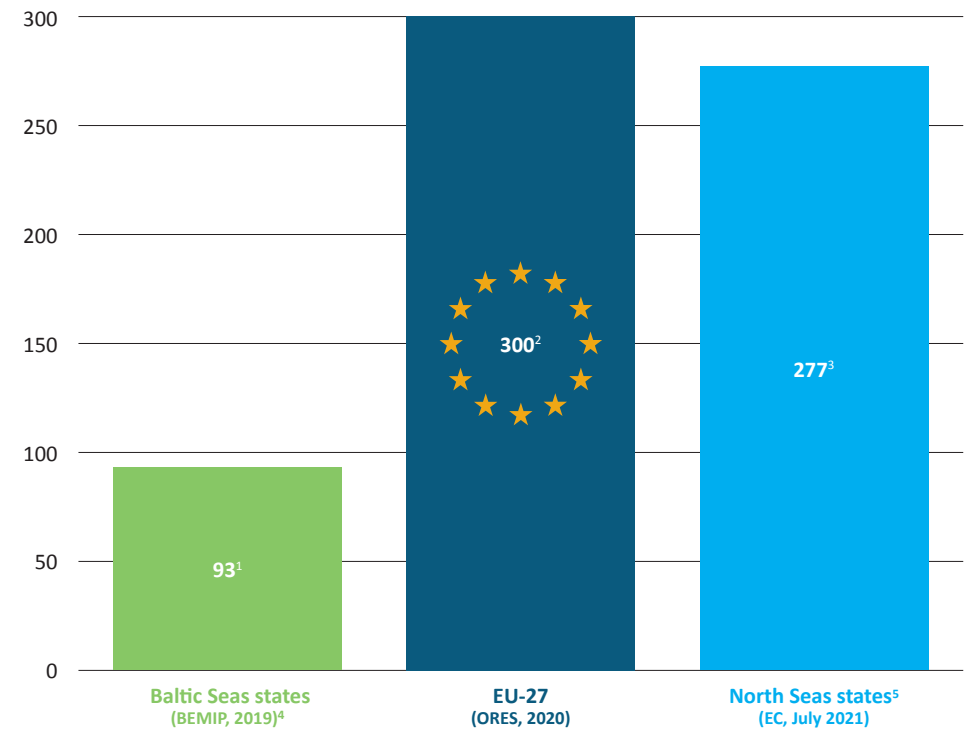
**Benelux**  
 SECRETARIAAT-GENERAAL  
 SECRETARIAT GÉNÉRAL



## OFFSHORE WIND PRODUCTION

Synergy in offshore wind deployment in North and Baltic Seas

RAPID CHANGING PROJECTIONS IN STUDIES:  
 OFFSHORE WIND ENERGY POTENTIAL PER SEA BASIN IN 2050 IN GW



1 European Commission, *Offshore renewable energy and grids* (July, 2021), 76, <https://op.europa.eu/en/publication-detail/-/publication/4f032acc-8d45-11ec-8c40-01aa75ed71a1/language-en/format-PDF/source-254483033>.  
 2 European Commission, *Boasting Offshore Renewable Energy for a Climate Neutral Europe* (November 2020), 1, 2, [https://ec.europa.eu/energy/sites/ener/files/offshore\\_renewable\\_energy\\_strategy.pdf](https://ec.europa.eu/energy/sites/ener/files/offshore_renewable_energy_strategy.pdf).  
 3 European Commission, *Study on Baltic offshore wind energy cooperation under BEMIP* (June 2019), 34, <https://op.europa.eu/en/publication-detail/-/publication/9590cdee-cd30-11e9-992f-01aa75ed71a1/language-en>.

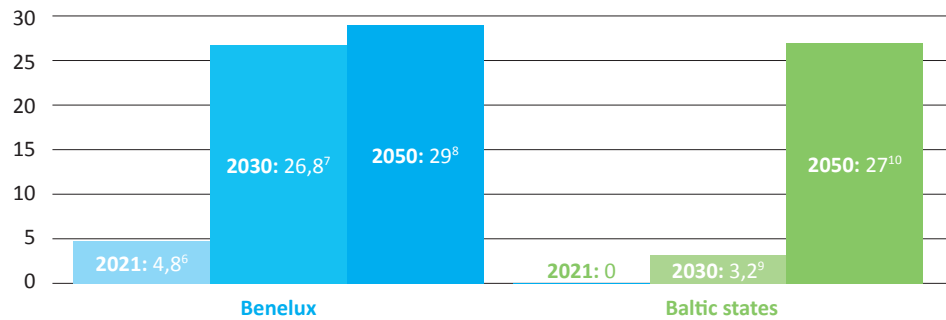
4 Including Denmark; Germany; Estonia; Latvia; Lithuania; Poland; Finland; Sweden. Excluding Russian Federation.  
 5 According to the European Commission Long Term Strategy 1.5 TECH scenario (EC commissioned study: A Clean planet for all; in depth analysis on 1.5 TECH/1.5 LIFE Scenarios). Including: Belgium; France; Germany; Ireland; Luxembourg; the Netherlands; Norway; Sweden. Excluding: United Kingdom.



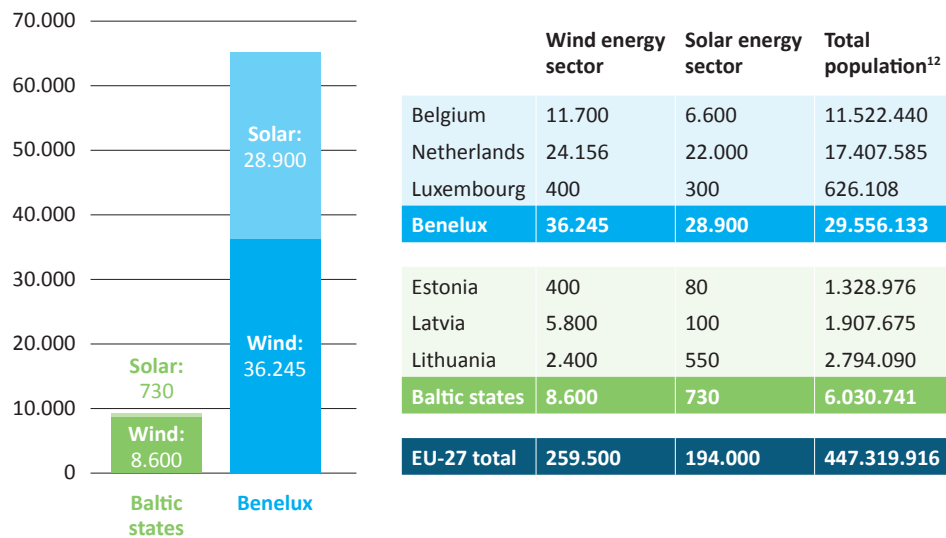
## OFFSHORE WIND PRODUCTION

The Benelux are pioneers in offshore wind energy production, and the Baltic states have their ambitions as well.

### POLICY AMBITIONS ON OFFSHORE WIND ENERGY POTENTIAL FOR THE BENELUX AND BALTIC STATES FOR 2021, 2030 AND 2050 IN GW



### RENEWABLE ENERGY EMPLOYMENT BY TECHNOLOGY IN 2020<sup>11</sup>



6 Government of the Netherlands, "Offshore wind energy," <https://www.government.nl/topics/renewable-energy/off-shore-wind-energy>; Government of Belgium, "Development of exploitation of renewable energy sources in the North Sea" (May 2021), <https://economie.fgov.be/nl/themas/energie/energiebronnen/hernieuwbare-energieen/ontwikkeling-van-de>

7 Energy ministers of the North Sea Summit in Esbjerg, "The declaration of Energy Ministers on the North Sea as a Green Power Plant of Europe" (May 2022), 2, <https://www.rijksoverheid.nl/documenten/publicaties/2022/05/18/the-declaration-of-energy-ministers-on-the-north-sea-as-a-green-power-plant-of-europe>.

8 NSEC: 'FPS Economy' and 'Ministry of Economic Affairs and Climate'.

9 Government of Estonia, *Estonia's 2030 National Energy and Climate Plan* (December 2019), 78, [https://energy.ec.europa.eu/system/files/2020-04/ee\\_final\\_necp\\_main\\_en\\_0.pdf](https://energy.ec.europa.eu/system/files/2020-04/ee_final_necp_main_en_0.pdf); Government of Latvia, *Latvia's National Energy and Climate Plan 2021-2030* (November 2020), 122, [https://energy.ec.europa.eu/system/files/2020-04/lv\\_final\\_necp\\_main\\_en\\_0.pdf](https://energy.ec.europa.eu/system/files/2020-04/lv_final_necp_main_en_0.pdf); Government of Lithuania, *National Energy and Climate Action Plan of the Republic of Lithuania for 2021-2030* (2020), 148, [https://energy.ec.europa.eu/system/files/2020-06/lt\\_final\\_necp\\_main\\_en\\_0.pdf](https://energy.ec.europa.eu/system/files/2020-06/lt_final_necp_main_en_0.pdf).

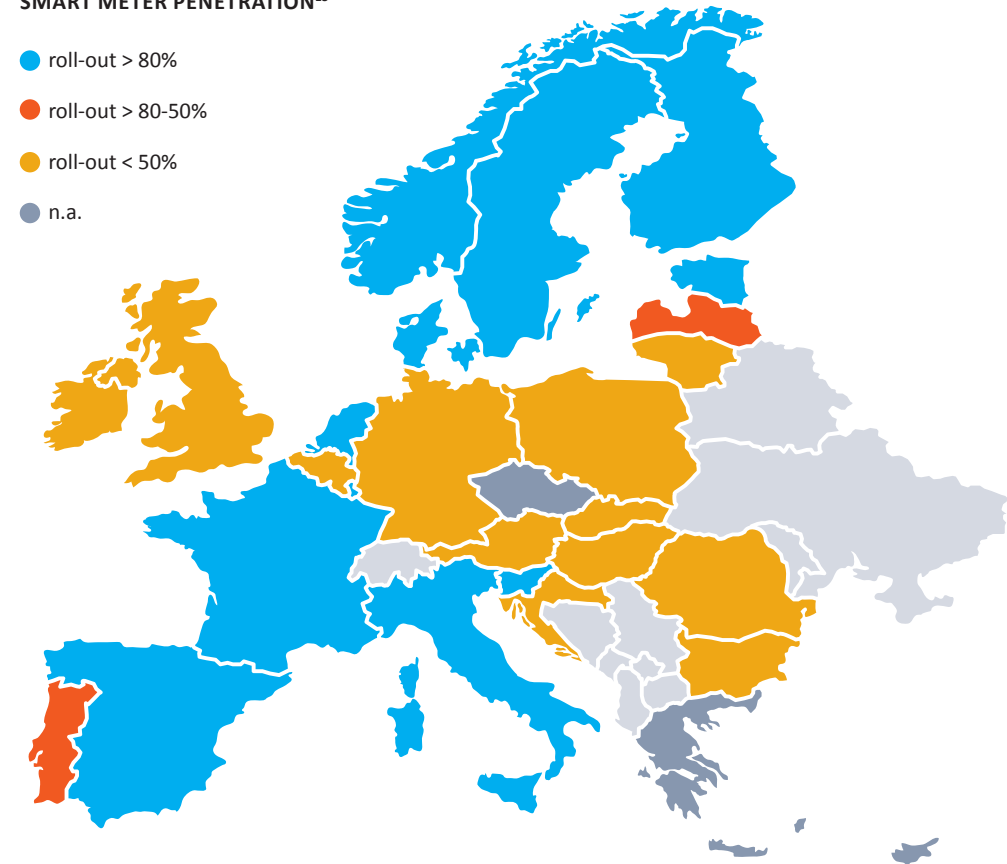


## DIGITALISATION OF THE ENERGY GRID

Mutual interest in further roll-out of smart metering

### DIGITALISATION: SMART METER PENETRATION<sup>13</sup>

- roll-out > 80%
- roll-out > 80-50%
- roll-out < 50%
- n.a.



10 Government of Estonia, *Estonia's 2030 National Energy and Climate Plan* (December 2019), 21, [https://energy.ec.europa.eu/system/files/2020-04/ee\\_final\\_necp\\_main\\_en\\_0.pdf](https://energy.ec.europa.eu/system/files/2020-04/ee_final_necp_main_en_0.pdf); Government of Latvia, *Latvia's National Energy and Climate Plan 2021-2030* (November 2020), 23, [https://energy.ec.europa.eu/system/files/2020-04/lv\\_final\\_necp\\_main\\_en\\_0.pdf](https://energy.ec.europa.eu/system/files/2020-04/lv_final_necp_main_en_0.pdf).

11 International Renewable Energy Agency, "Energy Employment by country," <https://irena.org/statistics/view-data-by-topic/benefits/renewable-energy-employment-by-country>.

12 Eurostat, "Population on 1 January by age and sex," (June 2022), [https://ec.europa.eu/eurostat/databrowser/view/demo\\_pjan/default/table?lang=en](https://ec.europa.eu/eurostat/databrowser/view/demo_pjan/default/table?lang=en).

13 European Union Agency for the Cooperation of Energy Regulators, *ACER Annual Report on the Results of Monitoring the internal Electricity and Natural Gas Markets in 2020* (November 2021), 58, [https://acer.europa.eu/Official\\_documents/Acts\\_of\\_the\\_Agency/Publication/ACER%20Market%20Monitoring%20Report%202020%E2%80%9320Energy%20Retail%20and%20Consumer%20Protection%20Volume.pdf](https://acer.europa.eu/Official_documents/Acts_of_the_Agency/Publication/ACER%20Market%20Monitoring%20Report%202020%E2%80%9320Energy%20Retail%20and%20Consumer%20Protection%20Volume.pdf).