

# Contributions of wind to a 100% RES Europe

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**Wind**<sup>•</sup>  
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[windeurope.org](http://windeurope.org)

17 October 2017

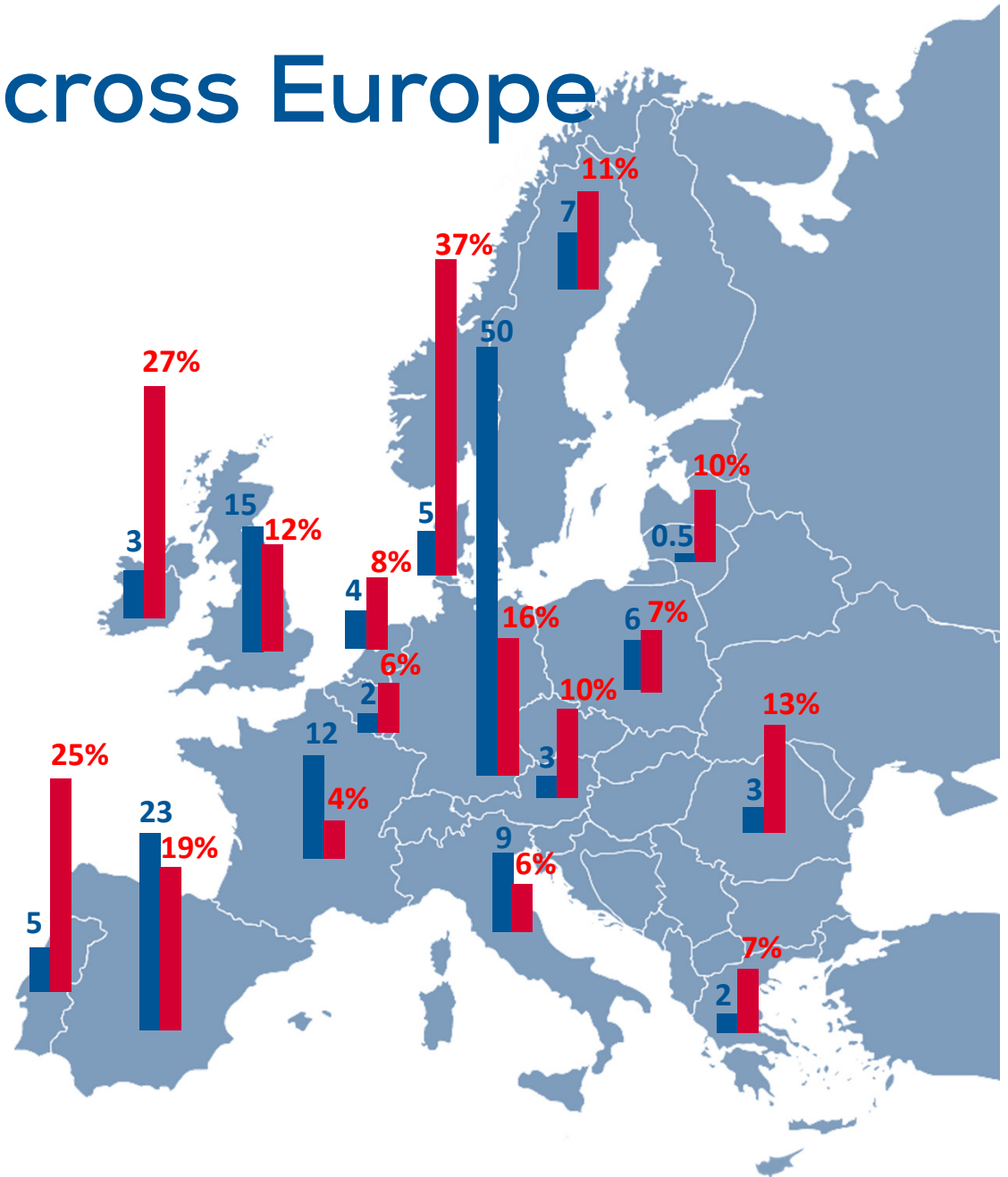
# Wind power across Europe

160 GW

10.4%

of 2016 EU power demand

○ GW installed  
● Penetration



# Daily wind power numbers

7 October 2017



# 19.9%

of European electricity demand was met by wind energy

## Wind power share and generation in each country's demand

1. Denmark: 57% = 47 GWh
2. Germany: 51% = 631 GWh
3. Romania: 33% = 54 GWh
4. Ireland: 30% = 27 GWh
5. Portugal: 29% = 35 GWh
6. United Kingdom: 27% = 193 GWh
7. Austria: 22% = 33 GWh
8. Greece: 21% = 23 GWh
9. Netherlands: 20% = 58 GWh
10. Spain: 18% = 113 GWh

# Economic contribution

- 330,000 jobs
- €72bn 2015 turnover
- €8bn exported in 2015
- €27.5bn invested in 2016



# Revamping regions

83 million EU residents live in a lagging region

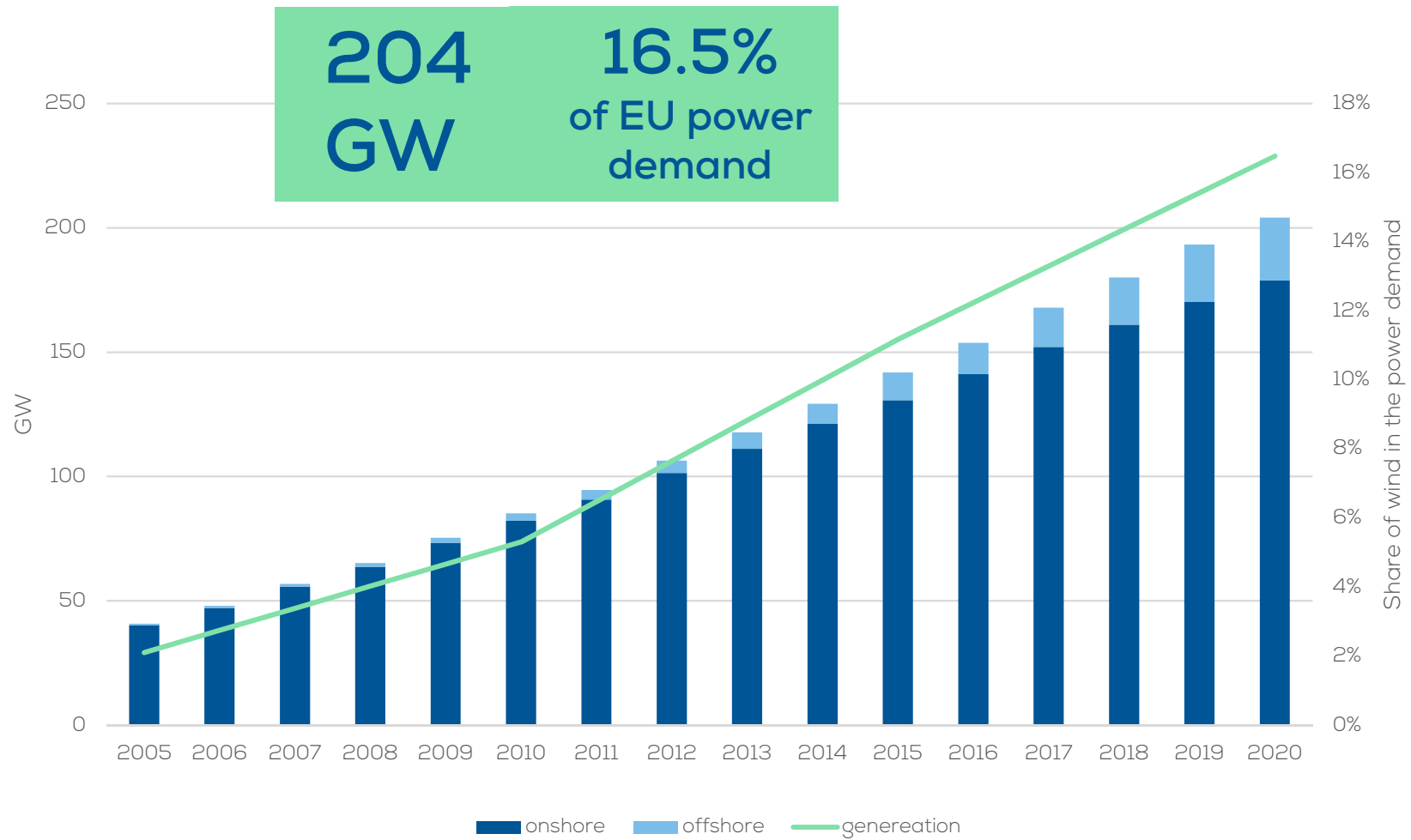


Green Port Hull  
£310m invested, 1,000 jobs

# Community benefits



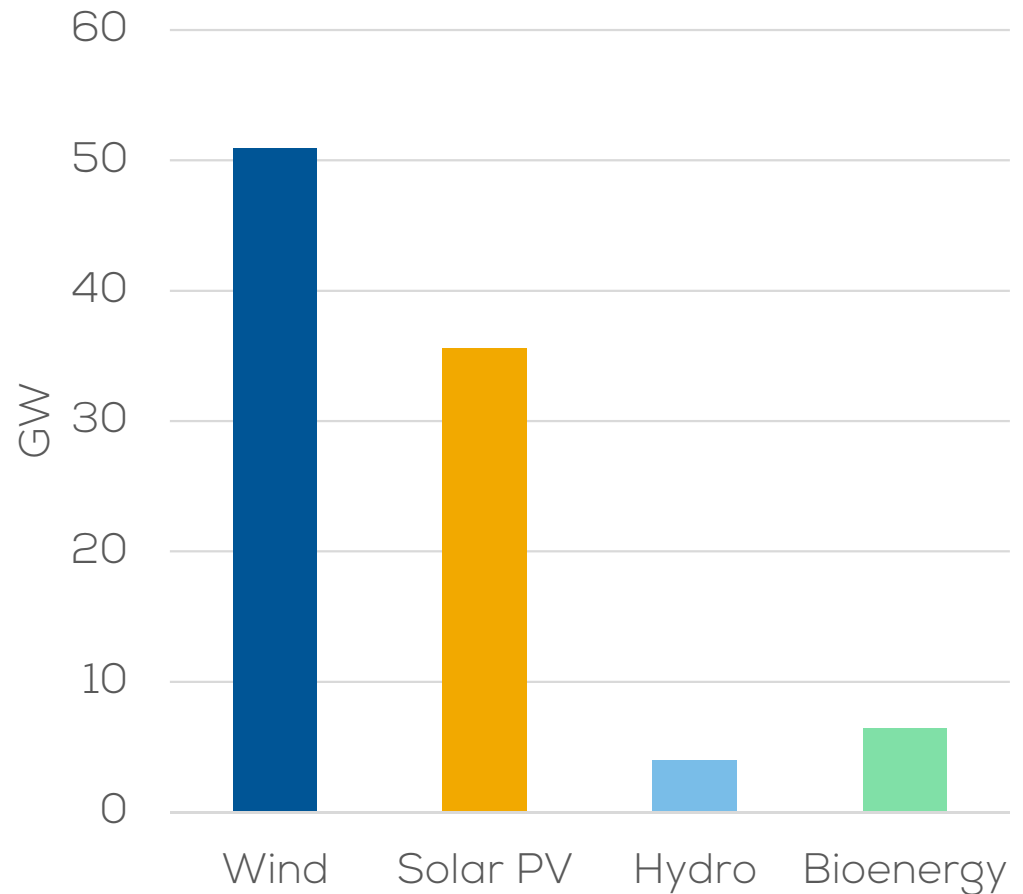
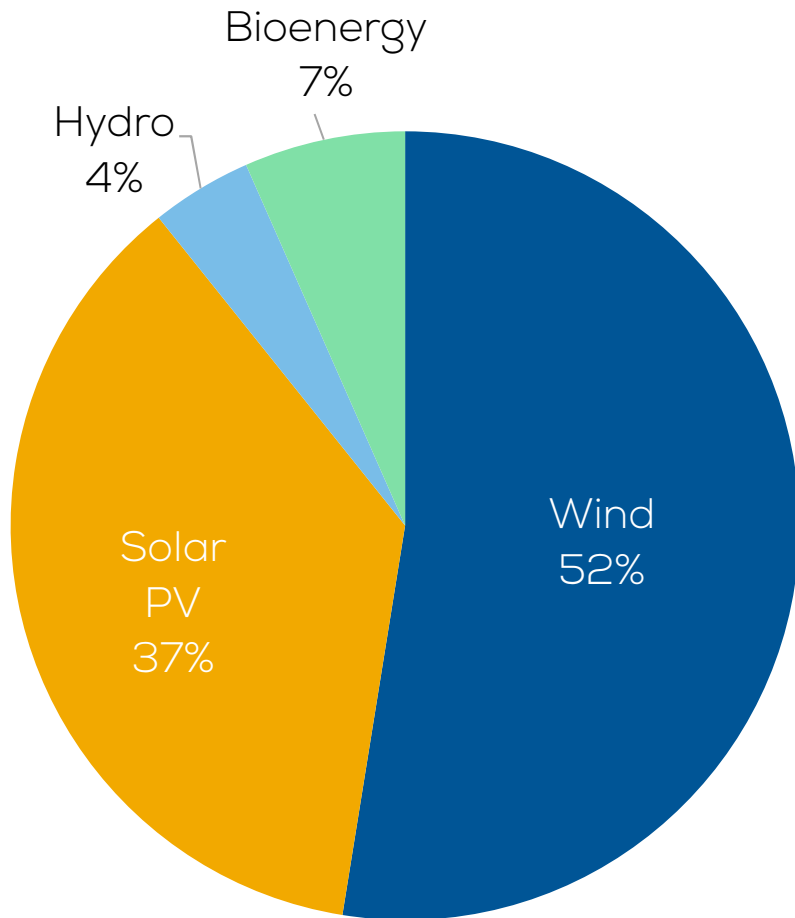
# The road to 2020



# Wind and other RES in the EU

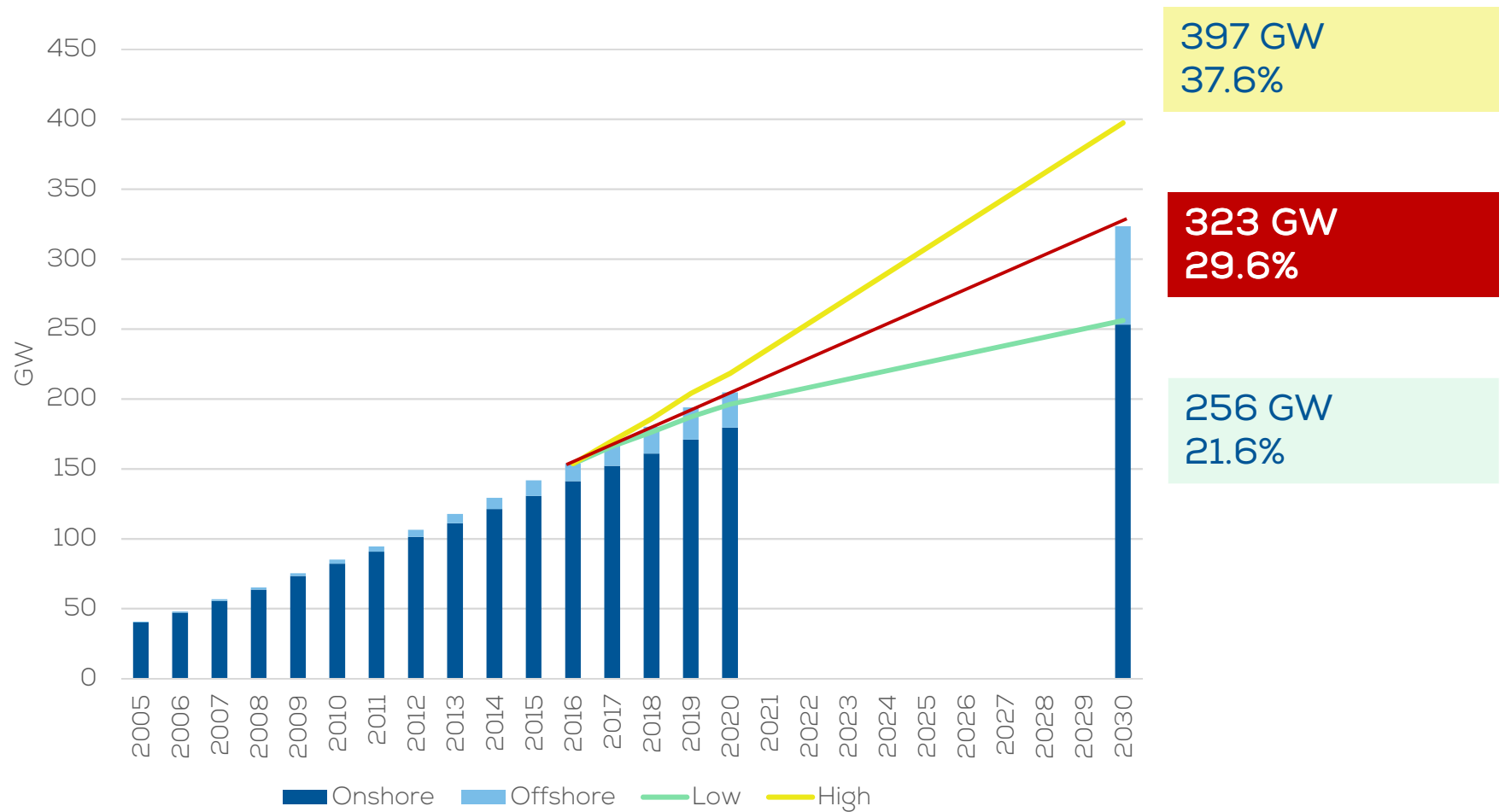
2017-2020 installations

Central scenario



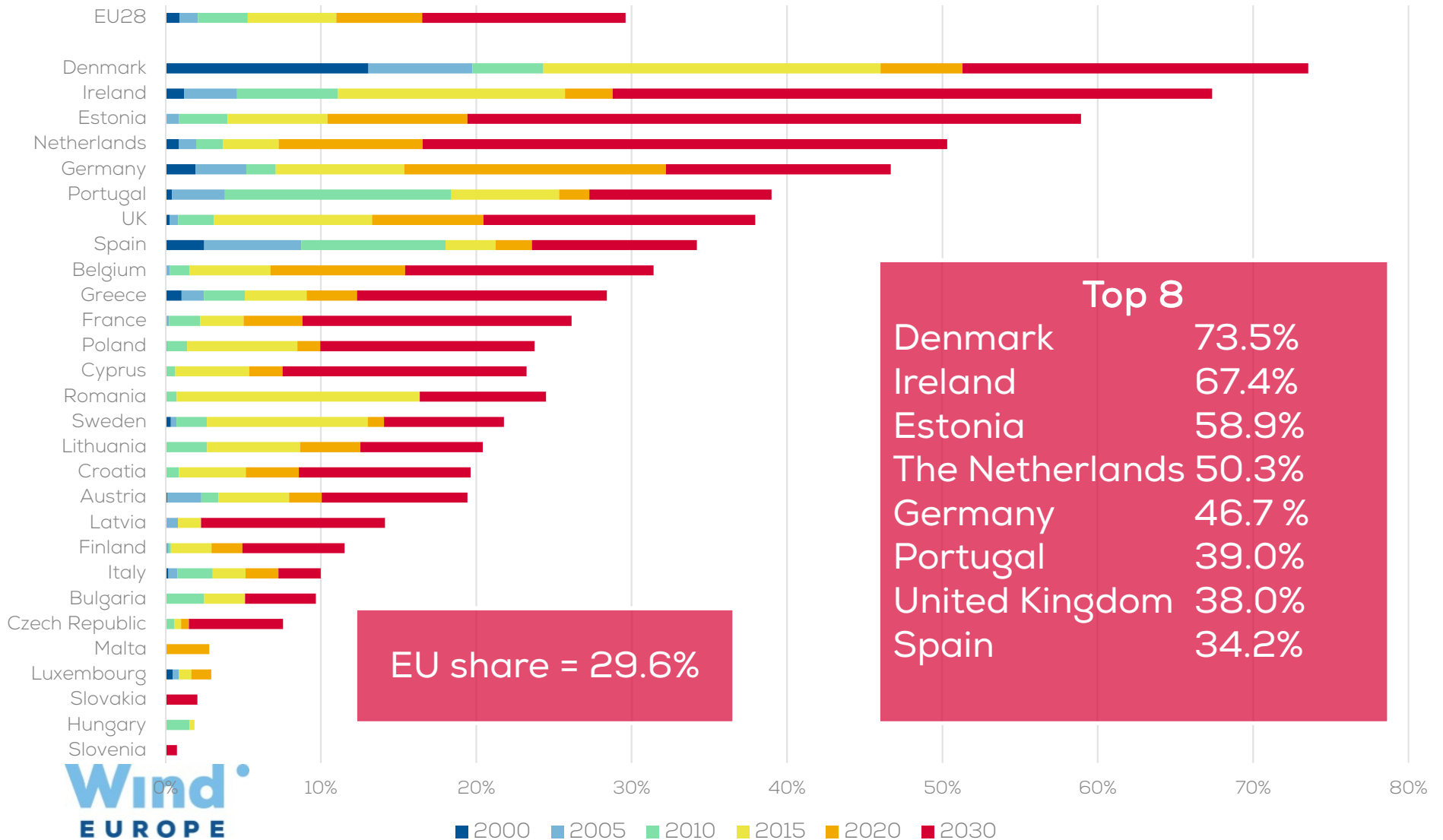


# Cumulative installations by 2030



# Share of wind in the EU's power demand

2030







EU share = 29.6%

**Top 8**

Denmark	73.5%
Ireland	67.4%
Estonia	58.9%
The Netherlands	50.3%
Germany	46.7%
Portugal	39.0%
United Kingdom	38.0%
Spain	34.2%

# 323 GW by 2030 =

- EU power demand: 10.4%  29.6%
- Avoided fossil fuel imports: €5bn  €13.2bn
- Avoided CO2 emissions: 166 MT  382 Mt
- Jobs: 330.000  569.000

All this generates €239bn of investments

# 5 CEP priorities

- **Priority dispatch** for *existing* RES
- **3 years visibility** for renewables support
- Clear and ambitious **National Energy and Climate Action Plans**
- Clear design rules for RES support mechanisms including **technology specific tenders**
- Clear rules for **Guarantees of Origin** to help corporate PPAs





THIS YEAR, THE **WIND INDUSTRY**  
WILL BE MEETING IN

**AMSTERDAM**

28 - 30 NOVEMBER 2017

Amsterdam RAI Exhibition and Convention Centre

**Wind**<sup>o</sup>  
**EUROPE**

**CONFERENCE  
& EXHIBITION  
2017** 28-30 NOVEMBER  
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[windeurope.org/confex2017](http://windeurope.org/confex2017)

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