

EUFORES Workshop NL

Joël Meggelaars

Representing the whole wind industry

450 MEMBERS

Wind turbine manufacturers

e.g.



Wind farm developers

e.g.



Power utilities

e.g.



Component manufacturers

e.g.



Installation / logistics

e.g.



Financial & legal services

e.g.



Ports

e.g.



+ National wind associations

Wind energy today

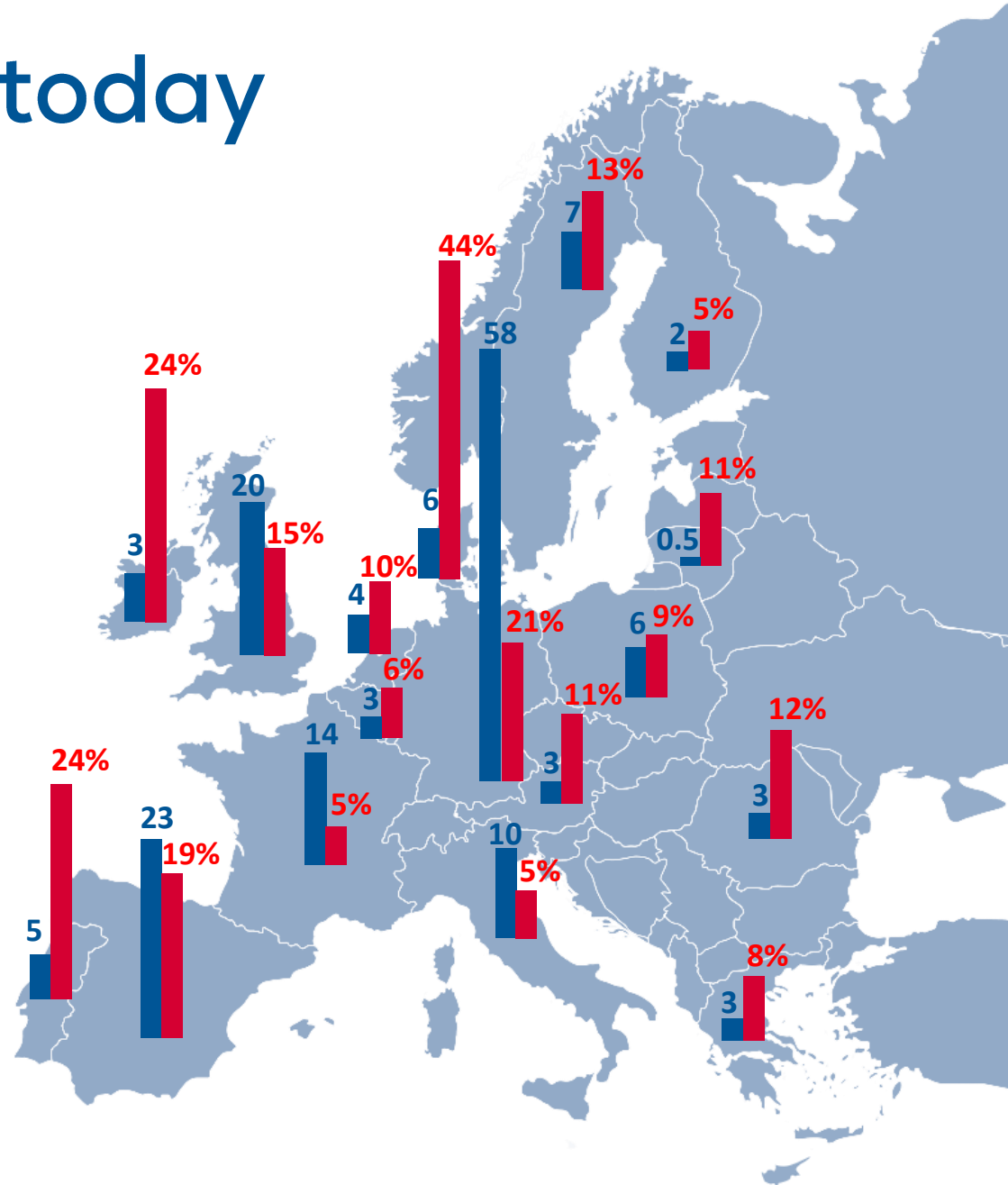
173 GW

By 30 June 2018

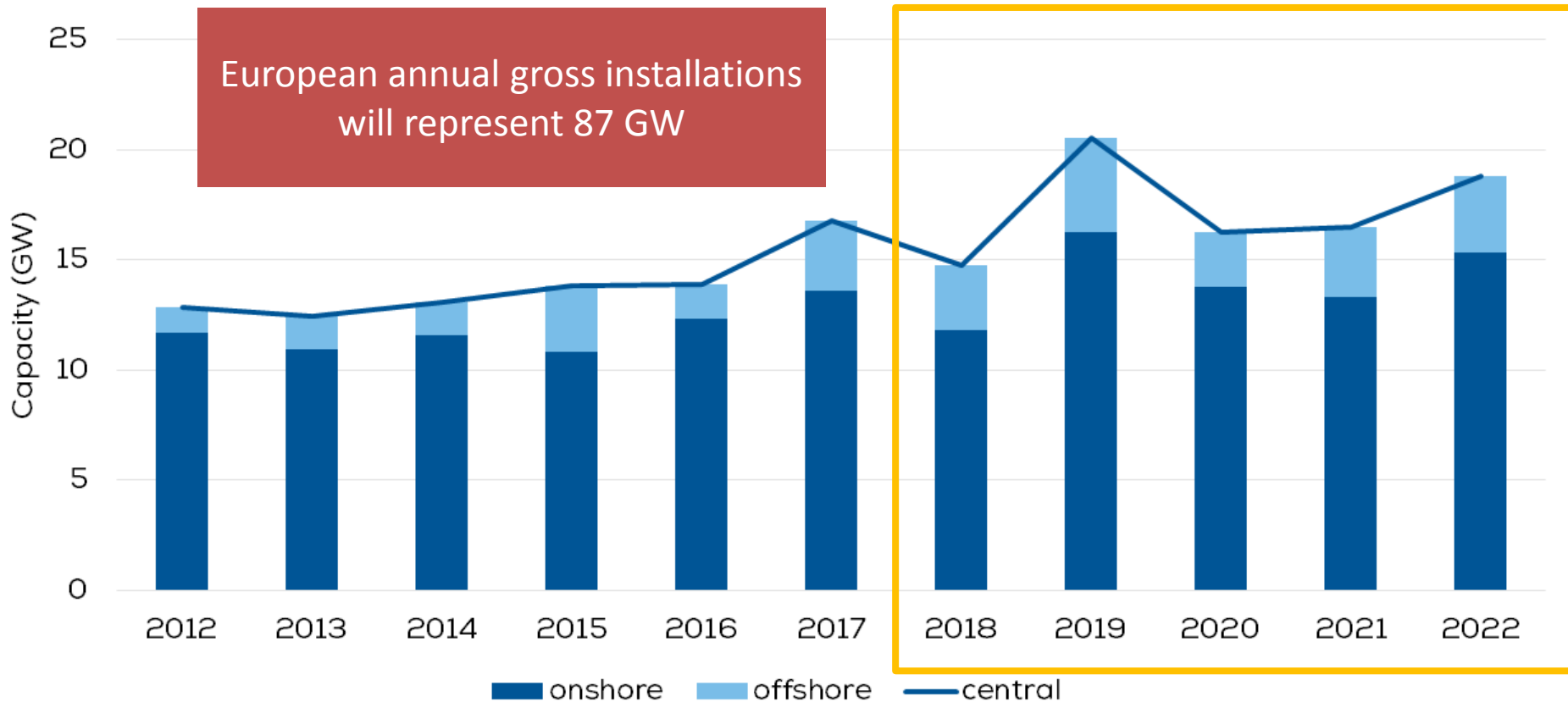
12%

of 2017 EU power demand

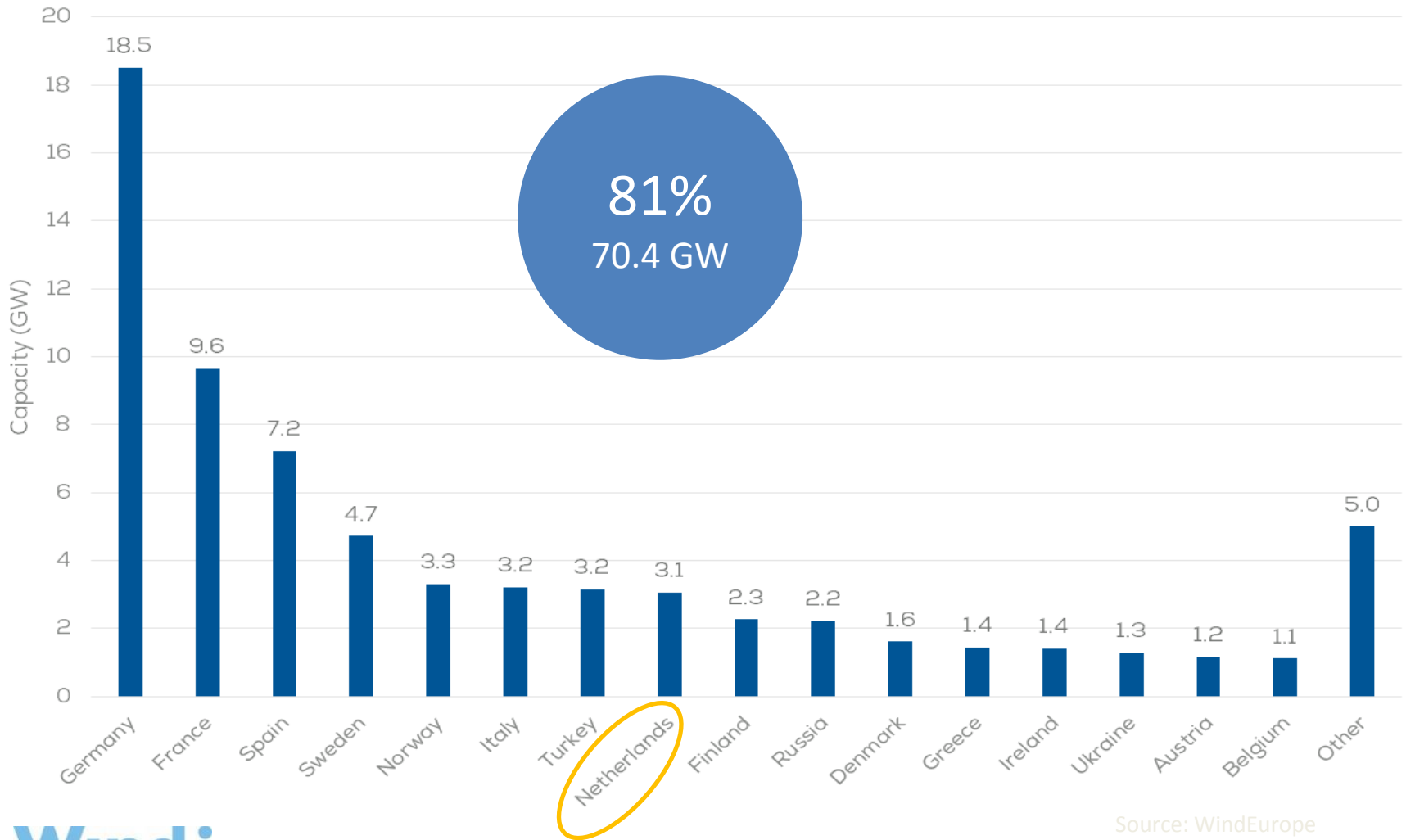
- GW installed
- Penetration



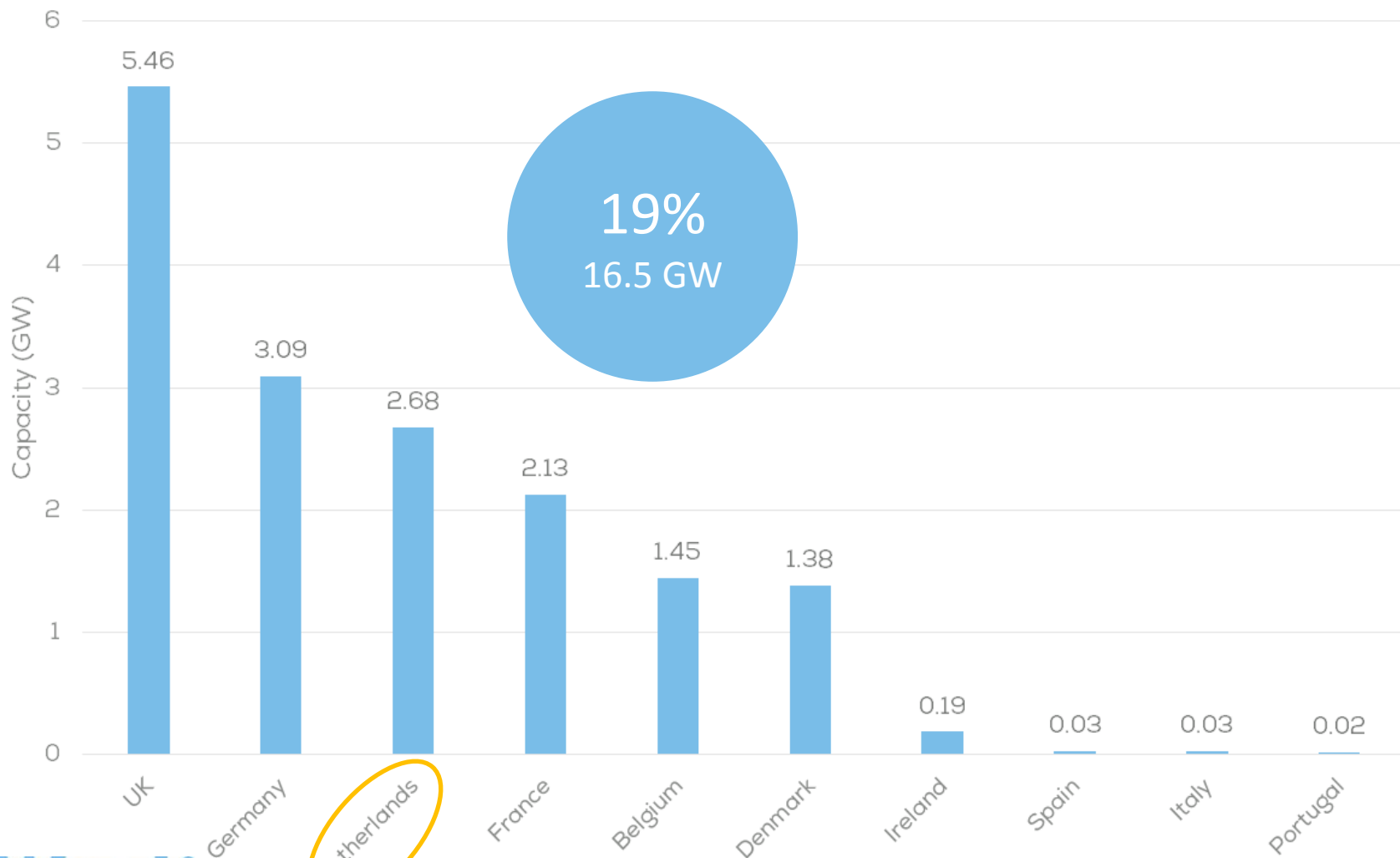
2018-2022: wind will keep growing in Europe



2018-2022 expected onshore installations

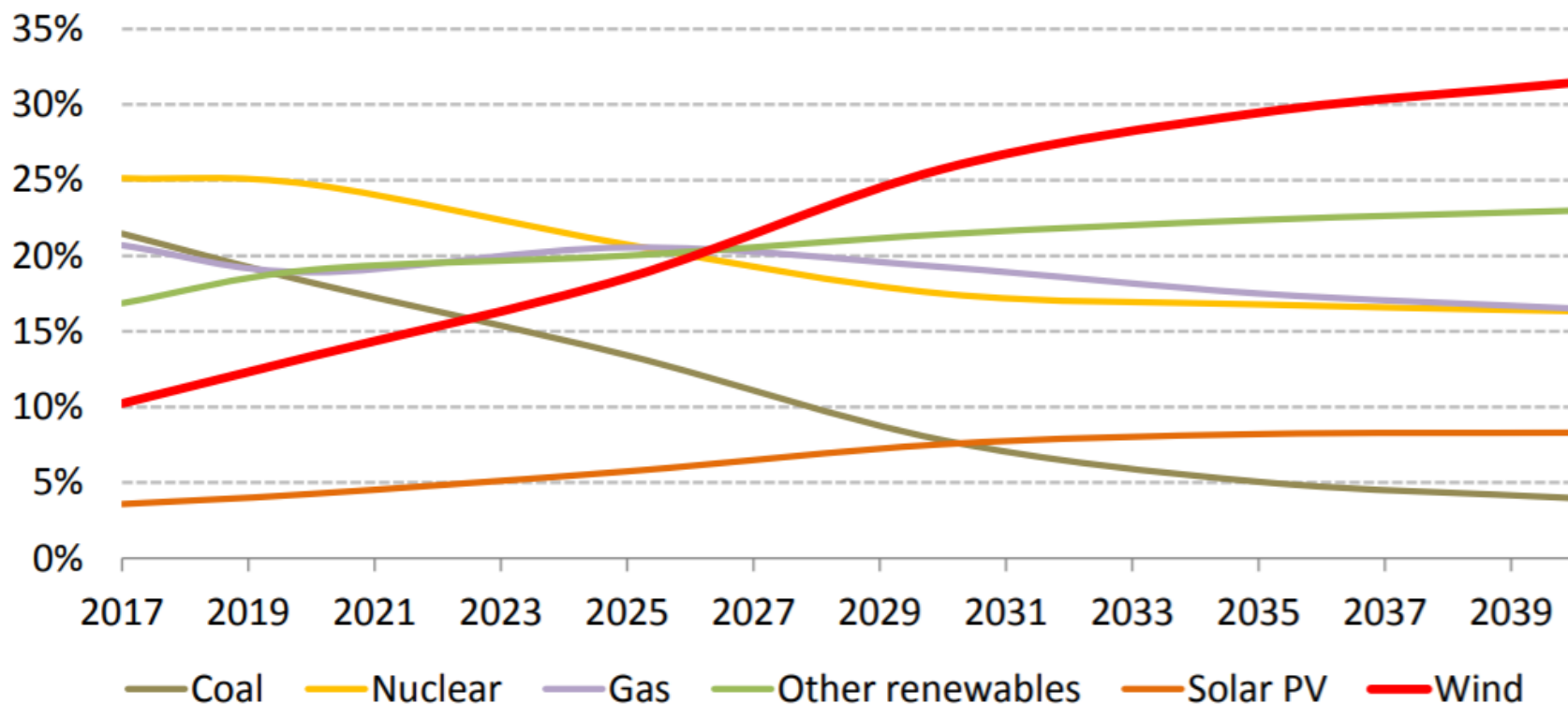


2018-2022 expected offshore installations



Wind will become the largest power source in the EU before 2030

Share of electricity generation by source in the EU, 2017-40



1. Drive offshore build-out

- Introduce a new long-term auction schedule

Clarity on the pipeline helps the Dutch supply chain



1. Drive offshore build-out

- Maintain long-term auction schedule
- Do not introduce concession payments

Rationale for concession payments is linked to scarce resources

Scarce

Oil & gas



Limited resource and low/no impact on world market price

Mobil phone network



Limited range of frequency bands to be used

Fishing



Limited resource and risk of overfishing

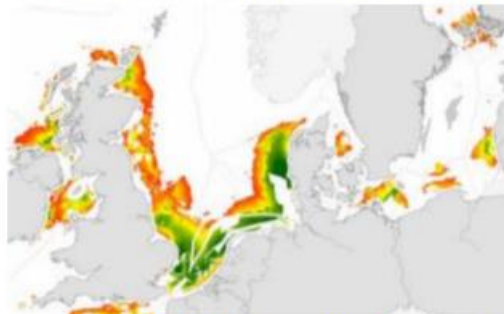
Non-scarce

Offshore wind energy



Wind is non-scarce and sites are non-scarce at North Sea level, direct impact on local/regional market price

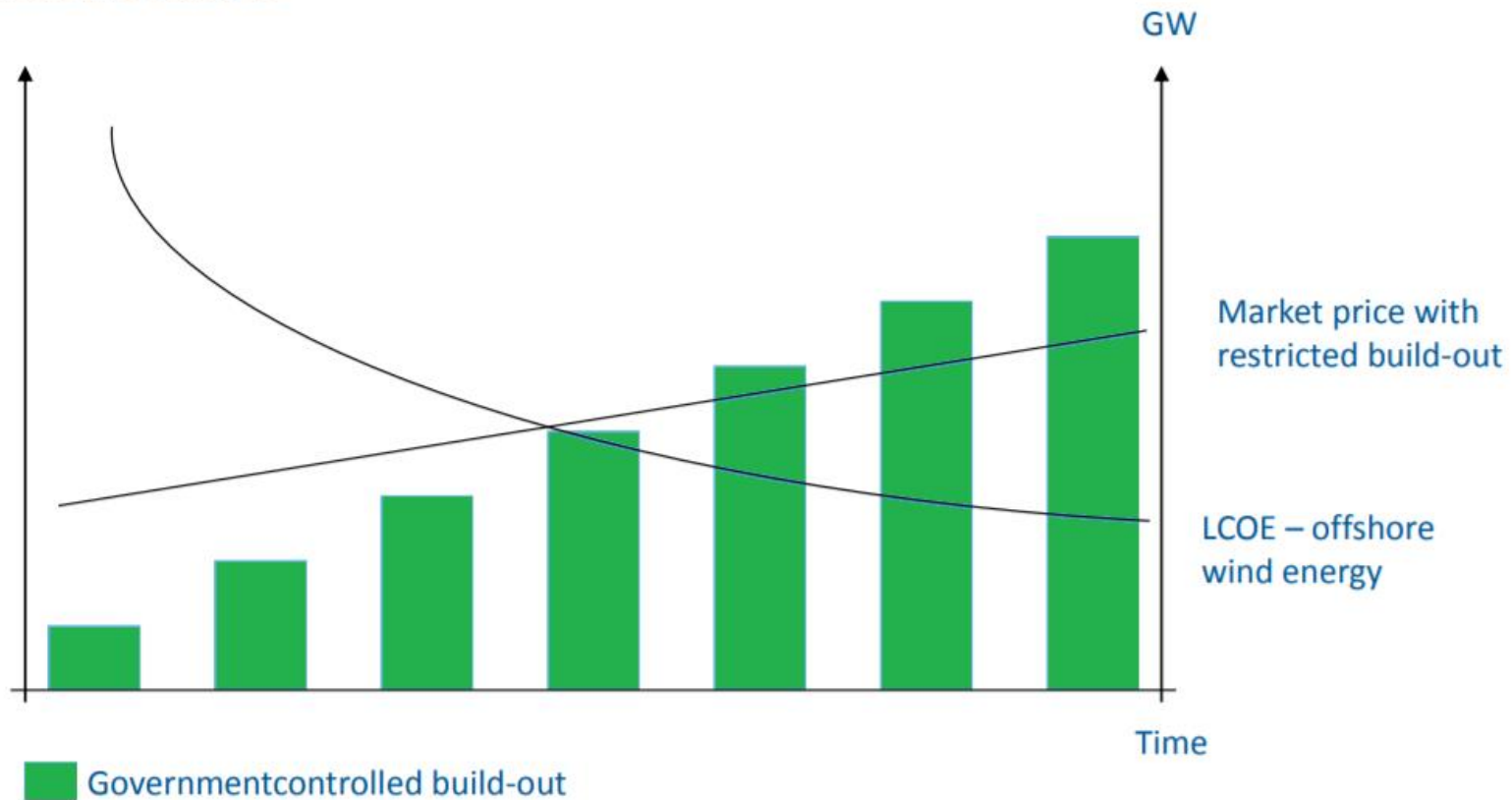
Potential: Northern Seas



App. 600 GW \approx 80% of EU's electricity consumption
Max LCOE €65/MWh in 2030, incl. transmission asset to shore
Other uses, seabed, distance, Natura 2000 areas etc. taken into consideration

Market driven development brings cost reductions

Illustrative example



1. Drive offshore build-out

- Maintain long-term auction schedule
- Do not introduce concession payments
- Keep current de-risking approach
- Combine it with the UK Contracts for Difference (CfD)

CfD: potentially cost-neutral to society

New UK offshore wind projects could be effectively "subsidy-free"

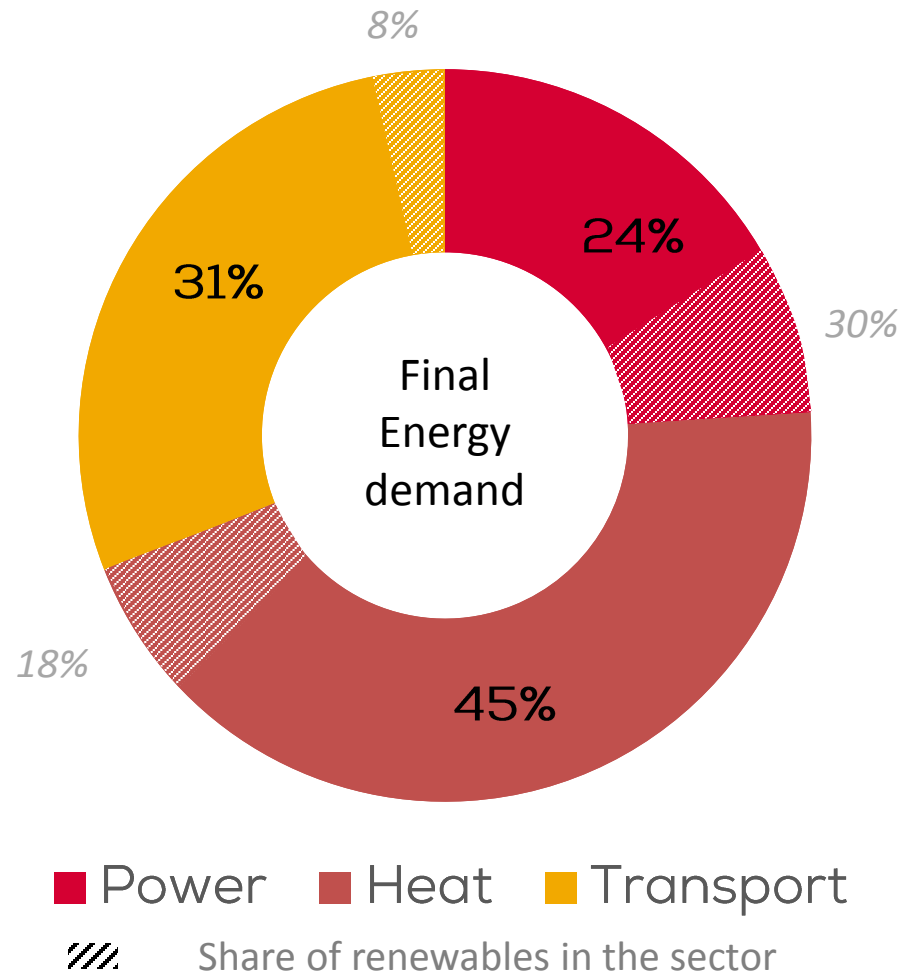
Rising prices for coal, gas and carbon have pushed up wholesale prices



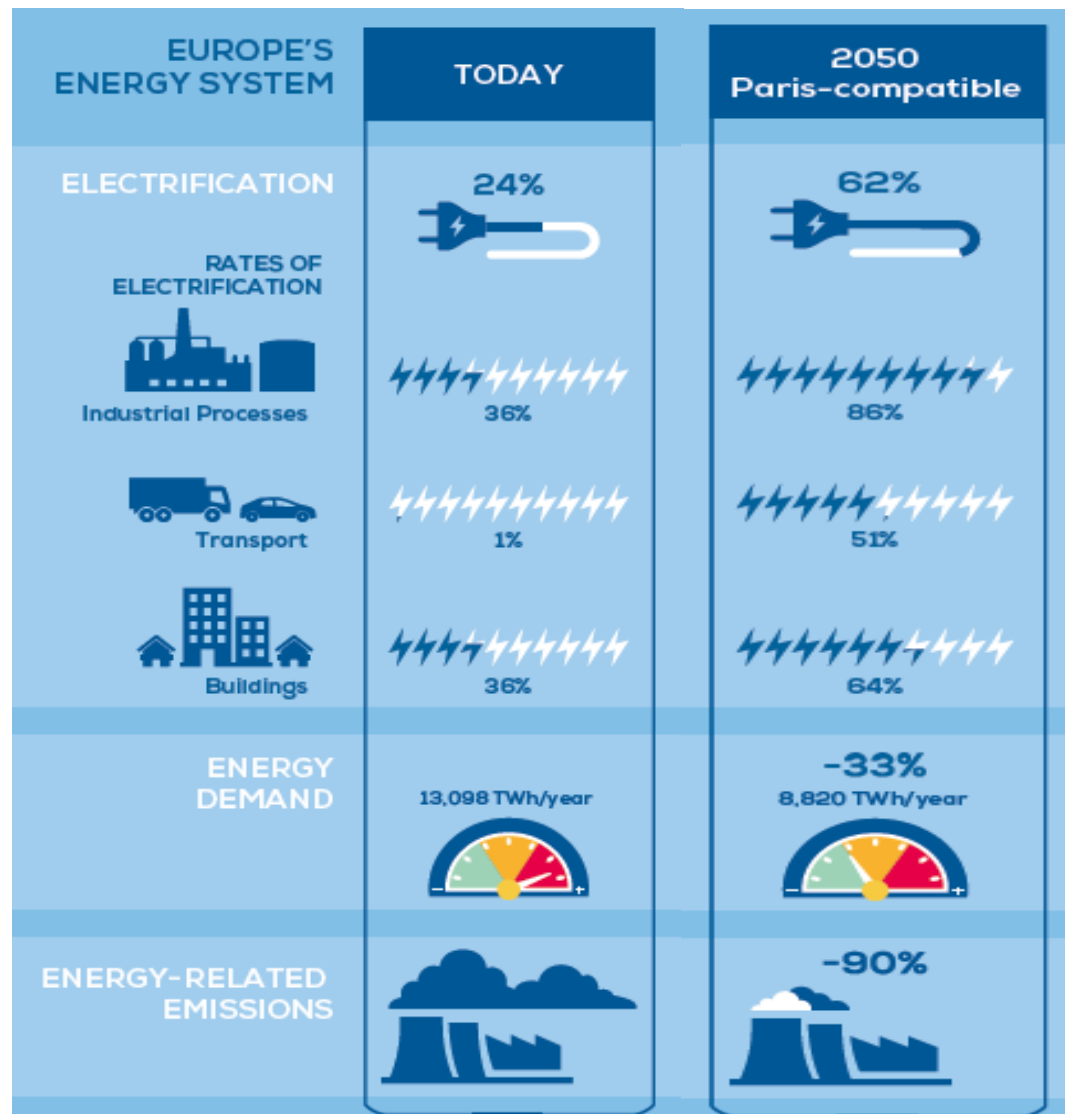
1. Drive offshore build-out

- Maintain long-term auction schedule
- Do not introduce concession payments
- Keep current de-risking approach
- Combine it with the UK Contracts for Difference (CfD)
- Pursue ambitious electrification agenda to accelerate offshore wind deployment

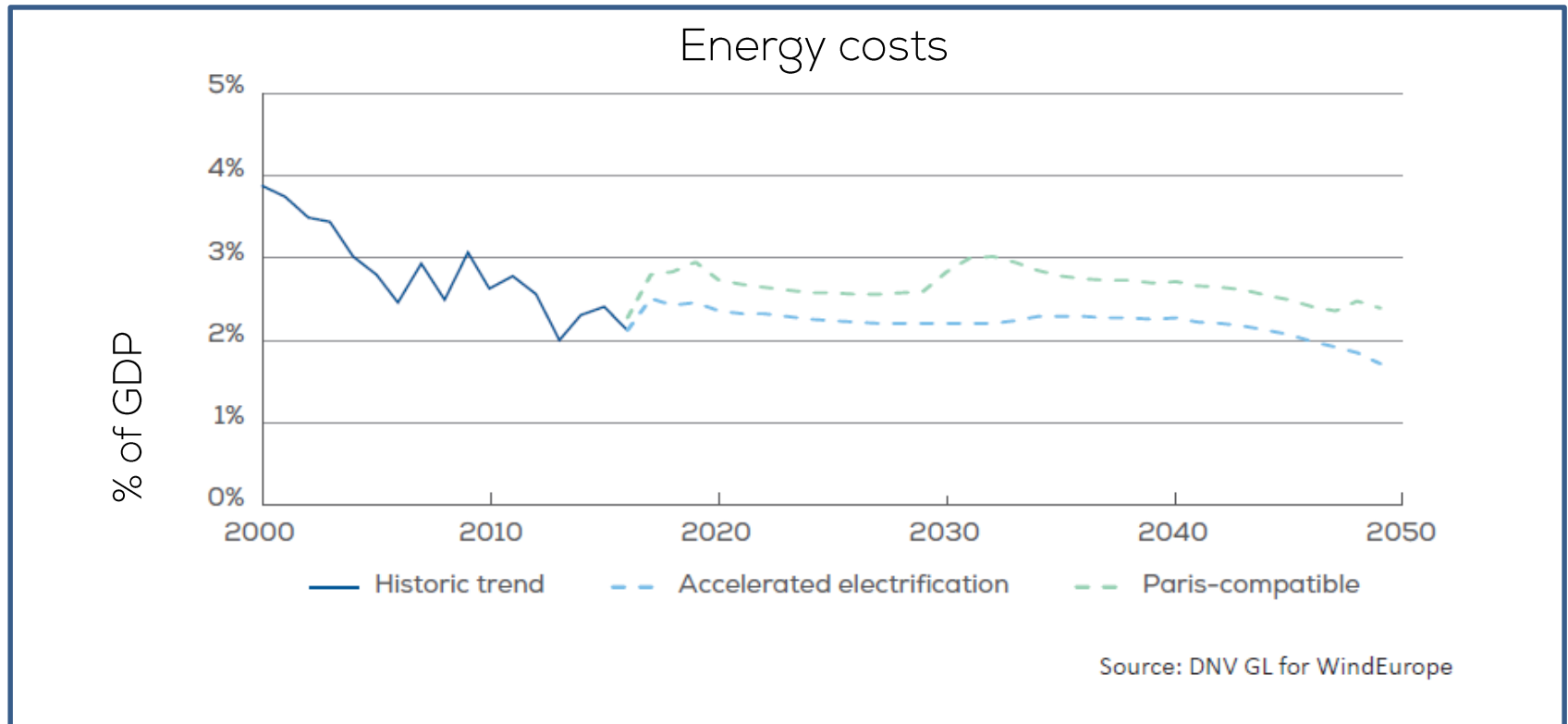
2. Drive demand for electricity



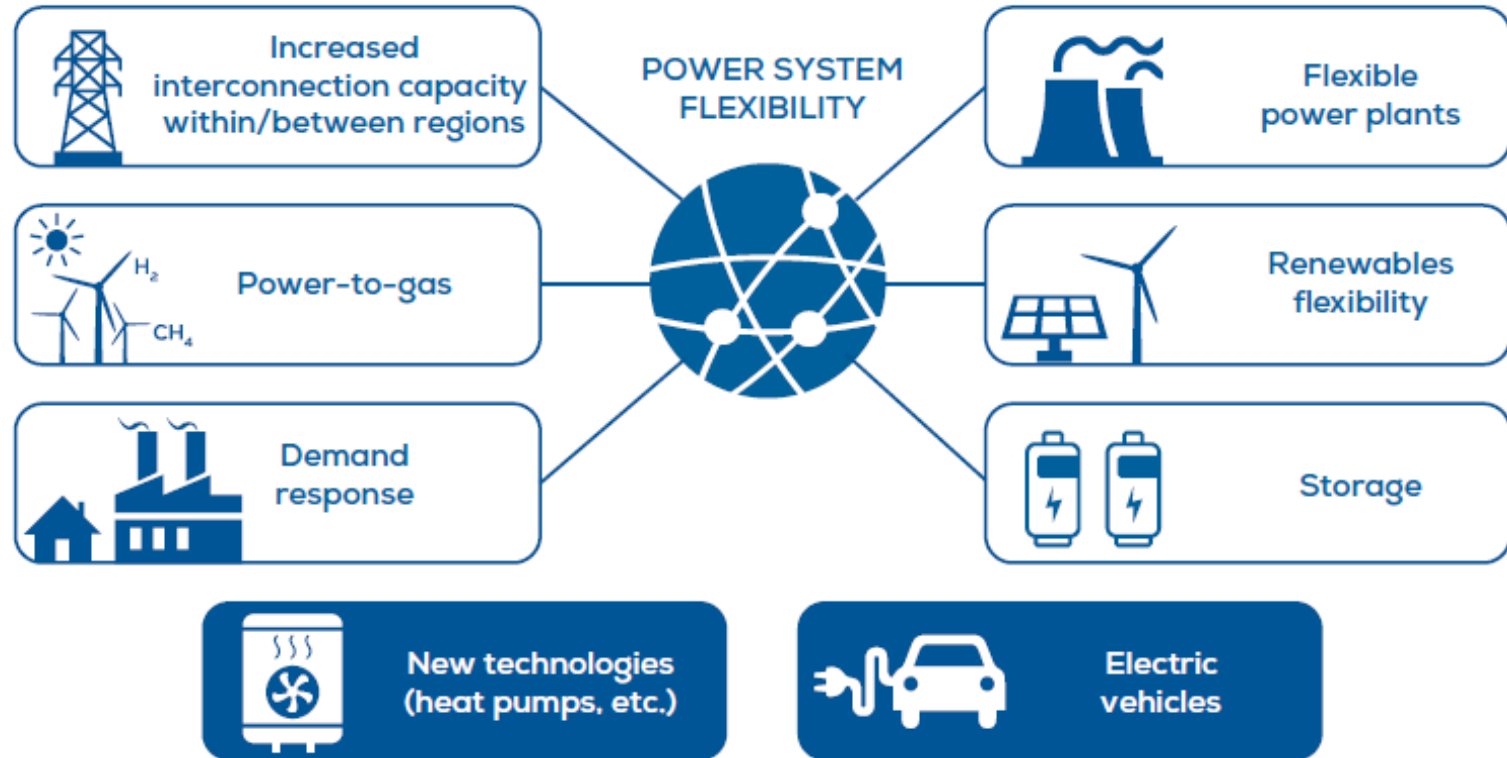
Breaking new ground



Ambitious electrification is affordable



System flexibility helps integration of variable RES



Source: DNV GL for WindEurope

THANK YOU

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