

# WIND ENERGY IN FINLAND: A EUROPEAN PERSPECTIVE

Giles Dickson, WindEurope CEO

# Wind energy in Europe

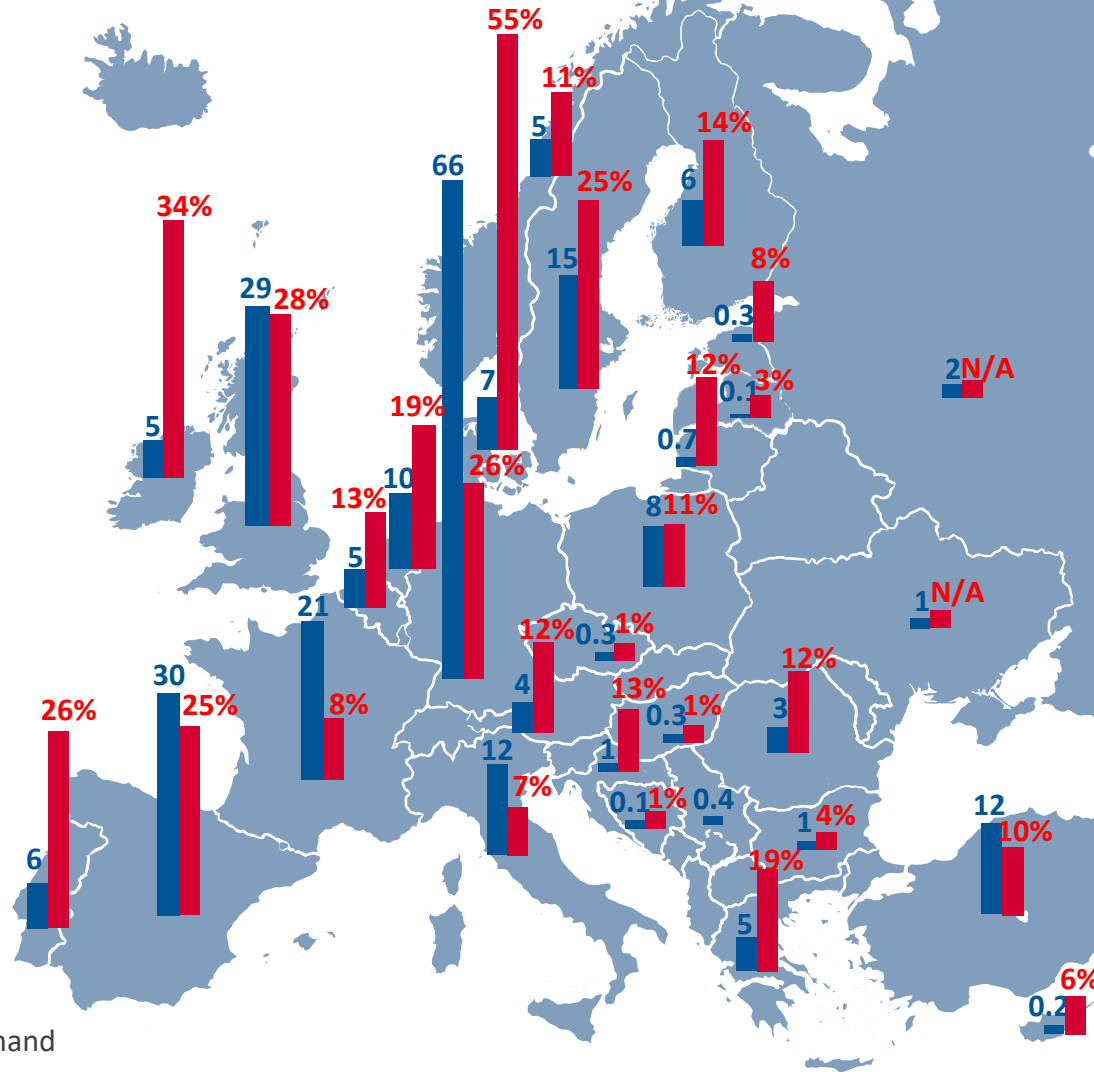
256 GW

17%

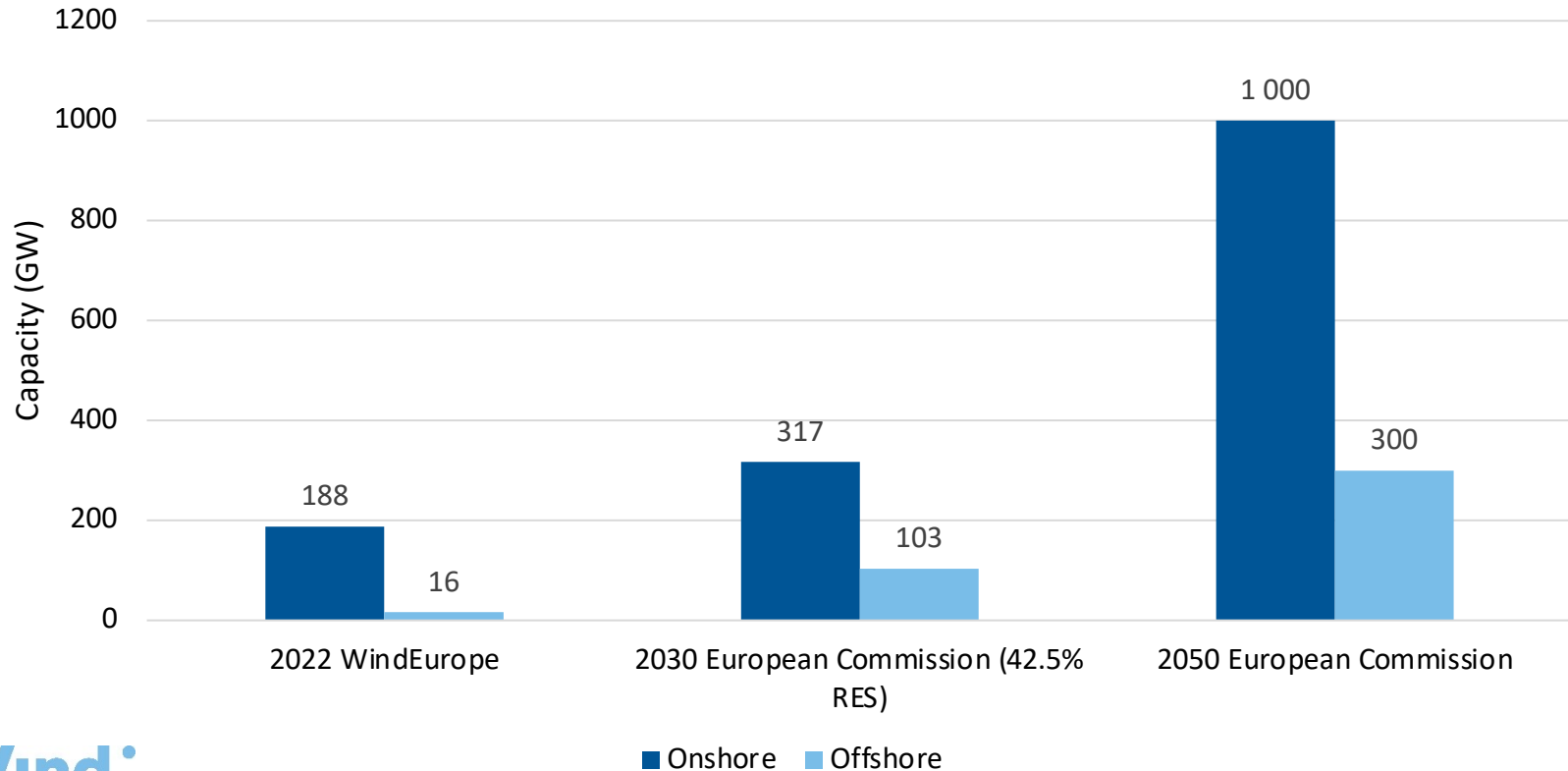
of Europe's  
electricity demand

Wind  
EUROPE

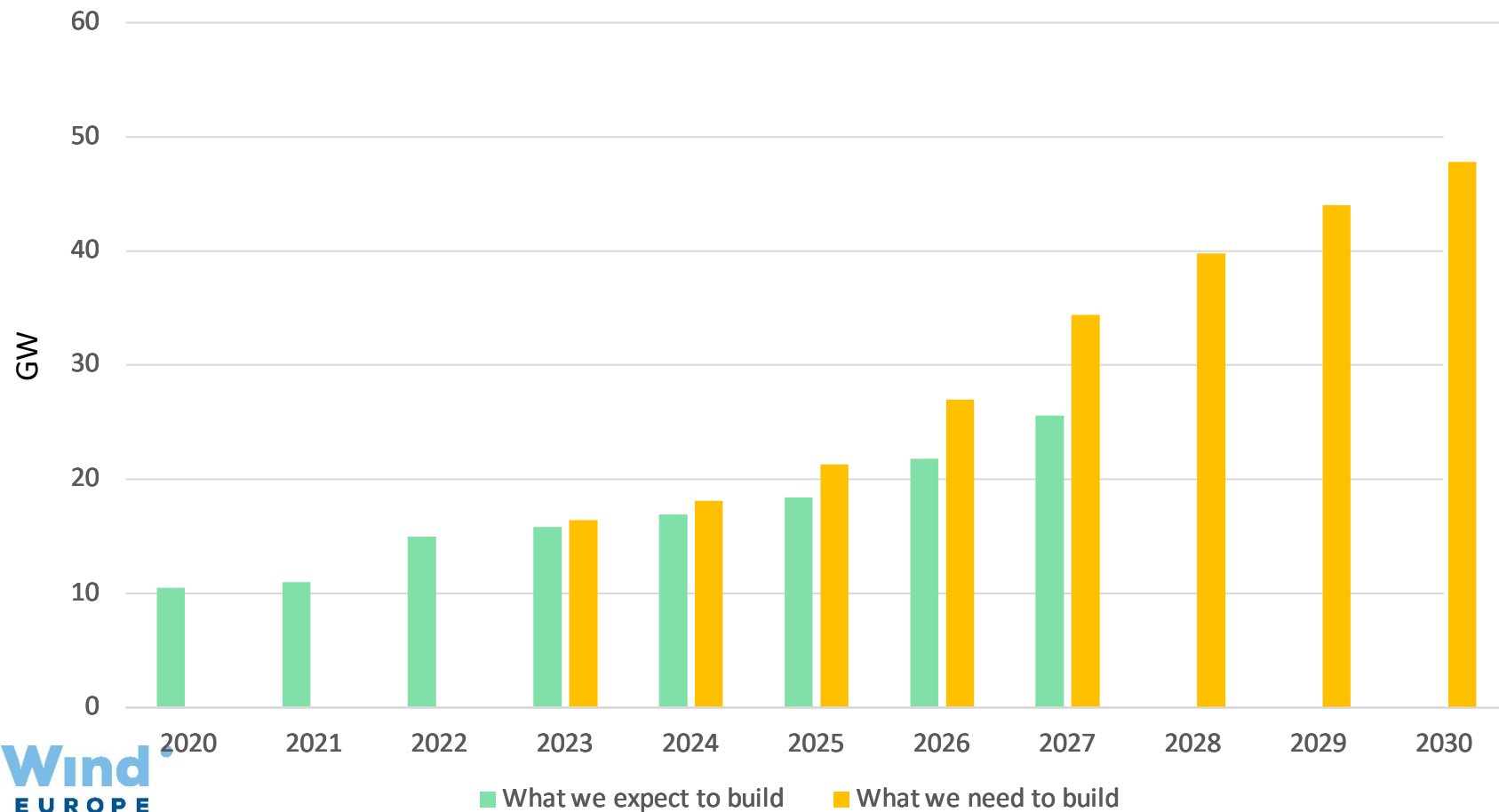
- GW installed
- Wind share of electricity demand



# Huge increase in wind capacity coming



# But Europe isn't building enough wind



# Finland's steady pipeline drying up

2.4 GW

Installed in 2022

6.3 GW

Total installed  
capacity

2.9 GW

Installations  
Now - End 2025

# Permitting appeals remain a bottleneck





# Final deal on EU Permitting rules

Overriding public interest

Population-based approach

2 years for all permits

Faster permitting in & outside  
'acceleration' areas

Digitalisation

# European Parliament agreement on market design



No Inframarginal Revenue Caps

CfDs for auctioned projects

Promotion of PPAs

No retroactive imposition of CfDs

Compensation mechanism for offshore wind



# Offshore ambitions in the Baltic Sea



# Others countries' 2030 plans for the Baltic Sea



700 MW



1 GW



400 MW



7.9 GW



1.4 GW



4.1 GW

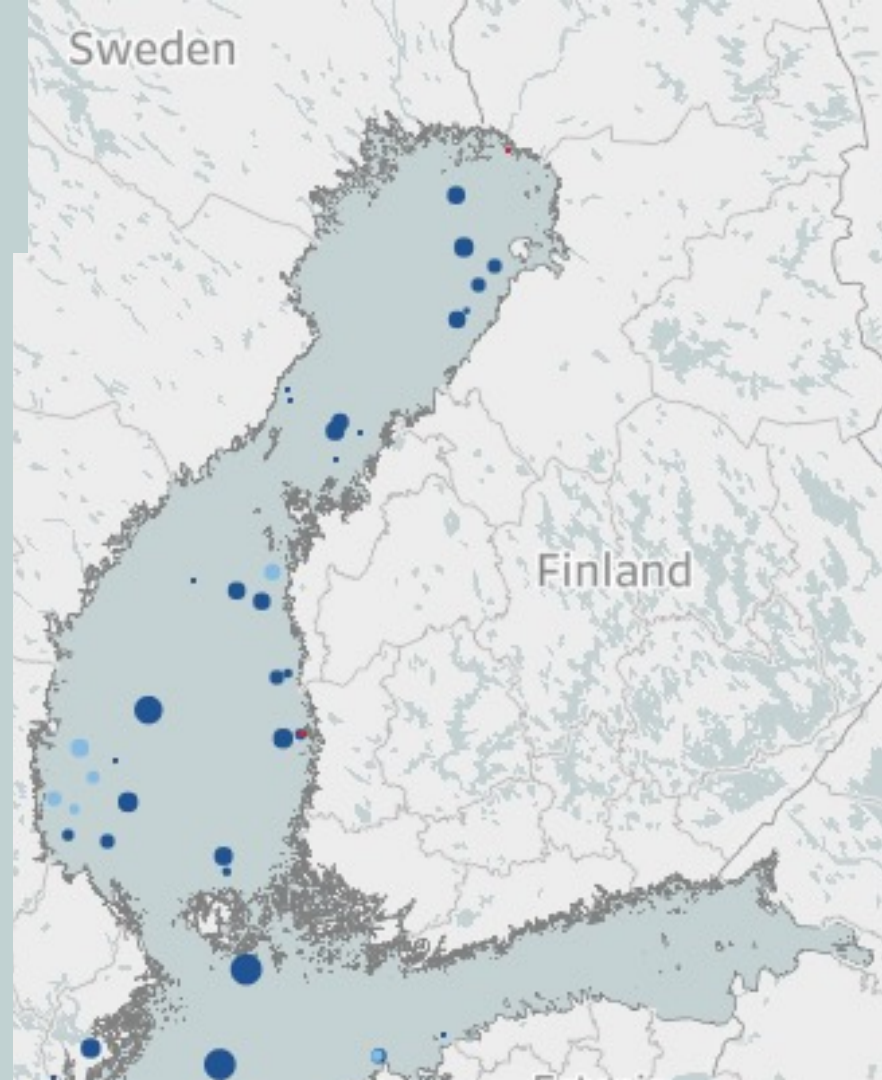


5.9 GW

# Offshore wind projects in Finland

## Status of Offshore Wind Projects

Online	■
Partially online	■
Under construction	■
With permits	■
Under permitting procedure	■
Planned	■





# Finland needs to change offshore processes

A person in a kayak is seen from behind, paddling on a blue sea. In the distance, several large offshore wind turbines are visible against a bright blue sky with wispy clouds. The sun is reflecting off the water's surface, creating a shimmering effect.

Sort out seabed leasing in EEZ

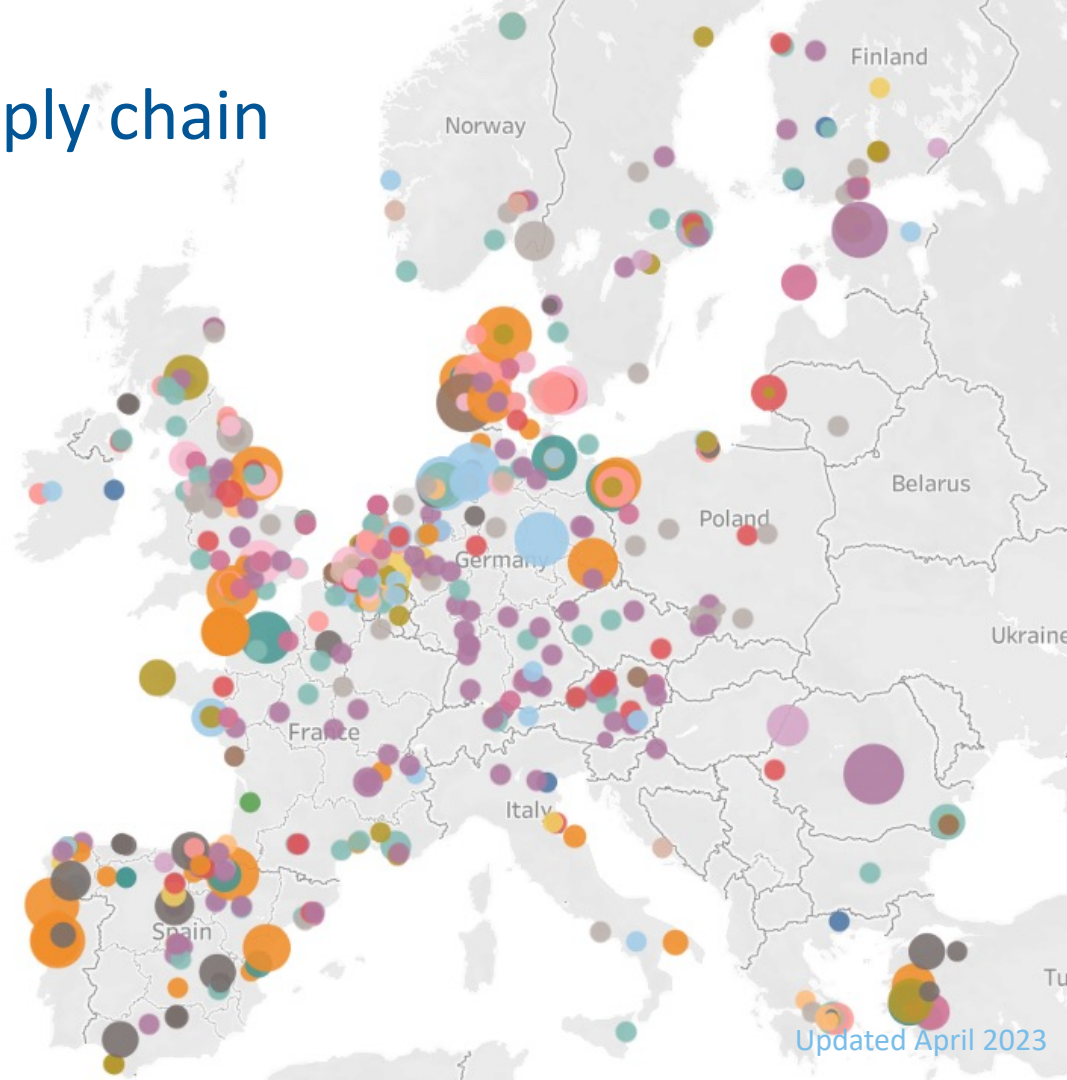
Speed up the process in territorial waters

Provide visibility on future auctions



# Europe's wind energy supply chain

- Components
- Assembly
- Blades
- Foundations
- Gearboxes
- Nacelles
- O&M
- Other
- R&D
- Towers
- Cables
- Generators
- Logistics
- Port



# Wind Power Package



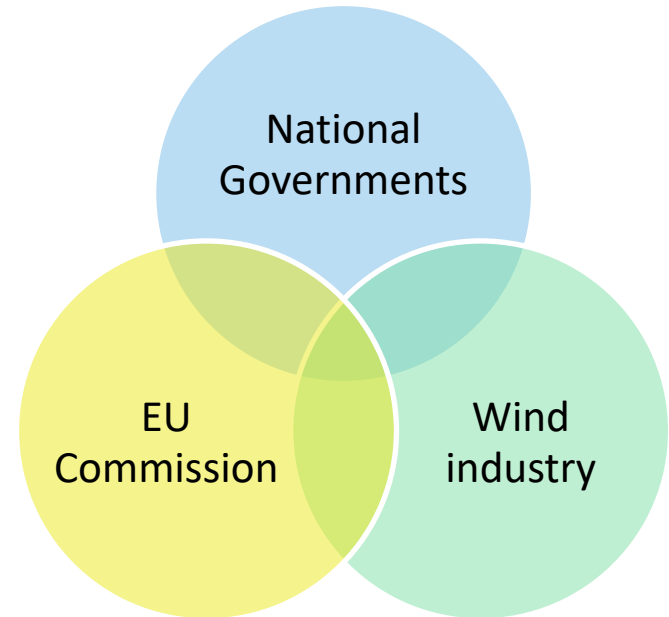
# Wind Power Package

## 24 October

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- Non-legislative action
- Use existing legislation
- No new legislation

## New commitments from



A European

ge to

ven more

‘The future of our clean tech industry has to be made in Europe.’

to finance

is



# Money



- EU funds

- Innovation Fund

- Recovery & Resilience Fund

- Structural Funds

- Using the new State Aid Rules

- EIB



Raising the bar

## Pre-qualification criteria

Cyber security

Data Residency

Labour standards

Environmental standards

# The Net-Zero Industry Act

36 GW  
annual European  
turbine production

100%  
price

30%  
non-price

70%  
price

Cost auction  
model

Value auction  
model

# Economic benefits of wind energy in Europe

€42bn  
to Europe's  
GDP

1 new turbine  
=  
€13m  
to the economy



# Employment in wind energy in Europe



**300,000**  
jobs in  
Europe today

**450,000**  
jobs in  
Europe in  
2030

# THANK YOU

**Wind**<sup>•</sup>  
EUROPE

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