

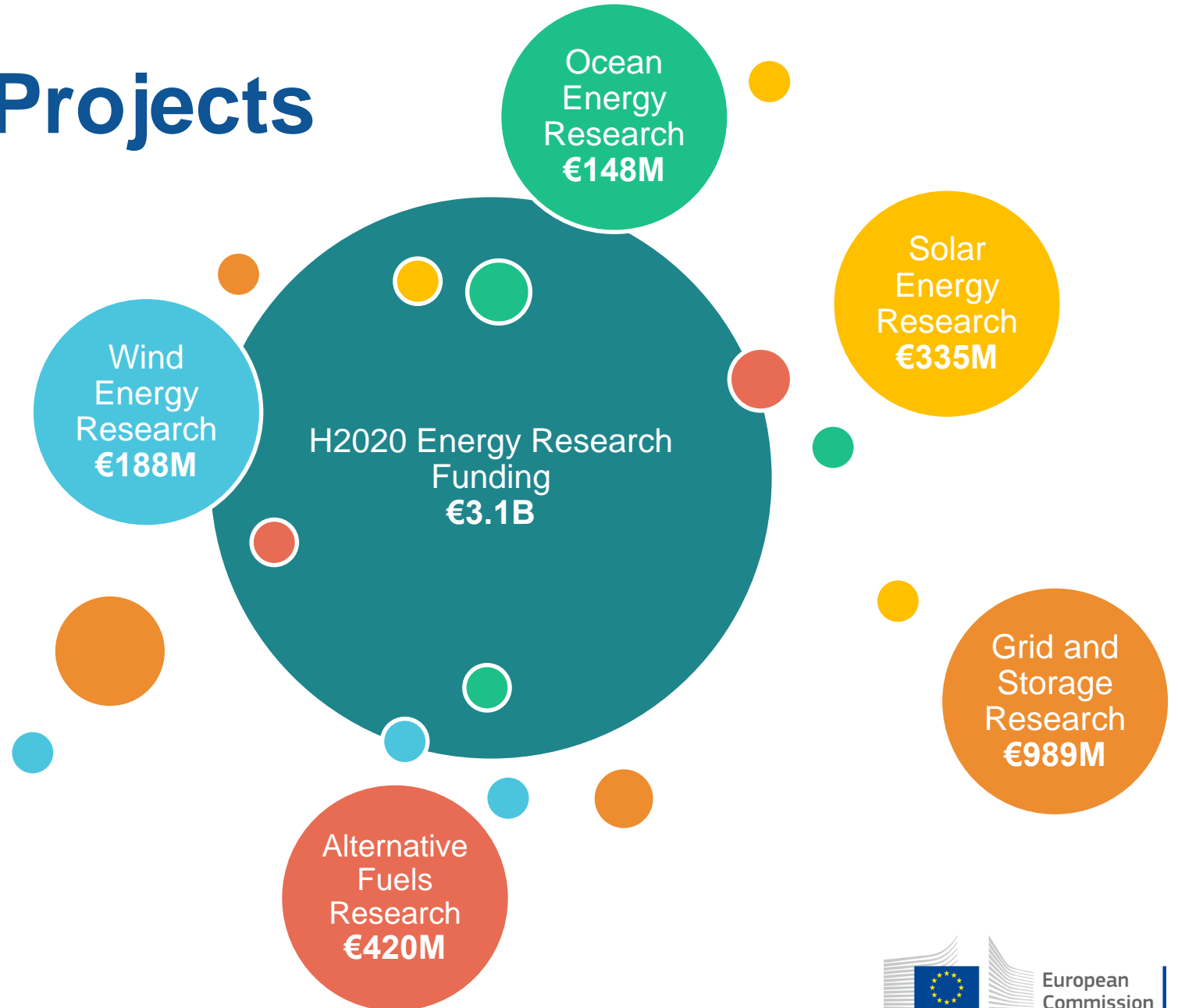


# EU Research on Offshore Wind: An Outlook

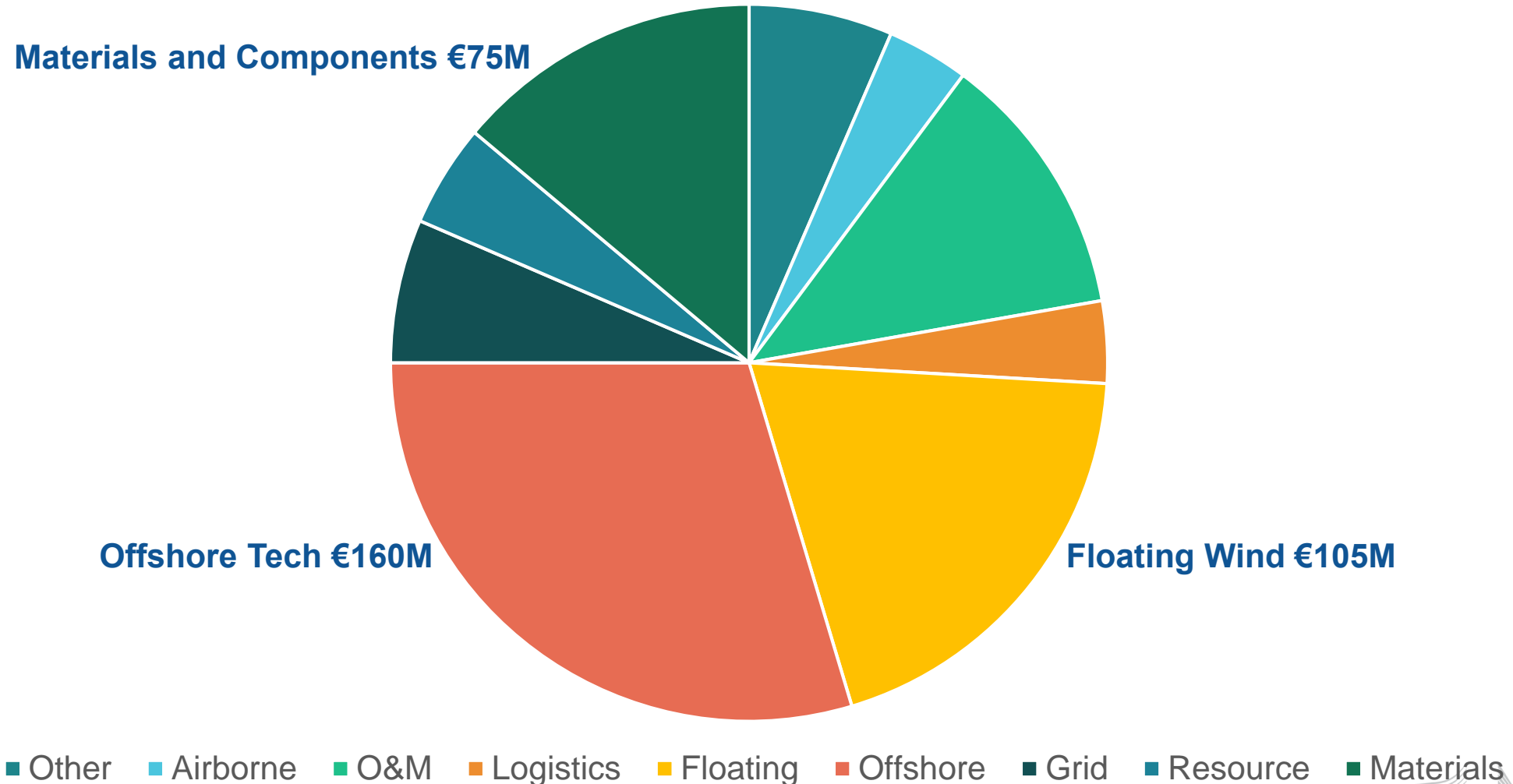
Dr. Carlos Eduardo Lima da Cunha  
DG Research & Innovation

*Cargo Project Summit 2021*

# H2020 Energy Projects



# Offshore Technology on High Gear.



# The Road Ahead

What will the Green Deal and Horizon Europe bring us?



”

*The European Green Deal is  
Europe's Man on the Moon  
Moment*

#EUGreenDeal



European  
Commission



Designing a set of  
deeply  
transformative  
policies



Research and Innovation



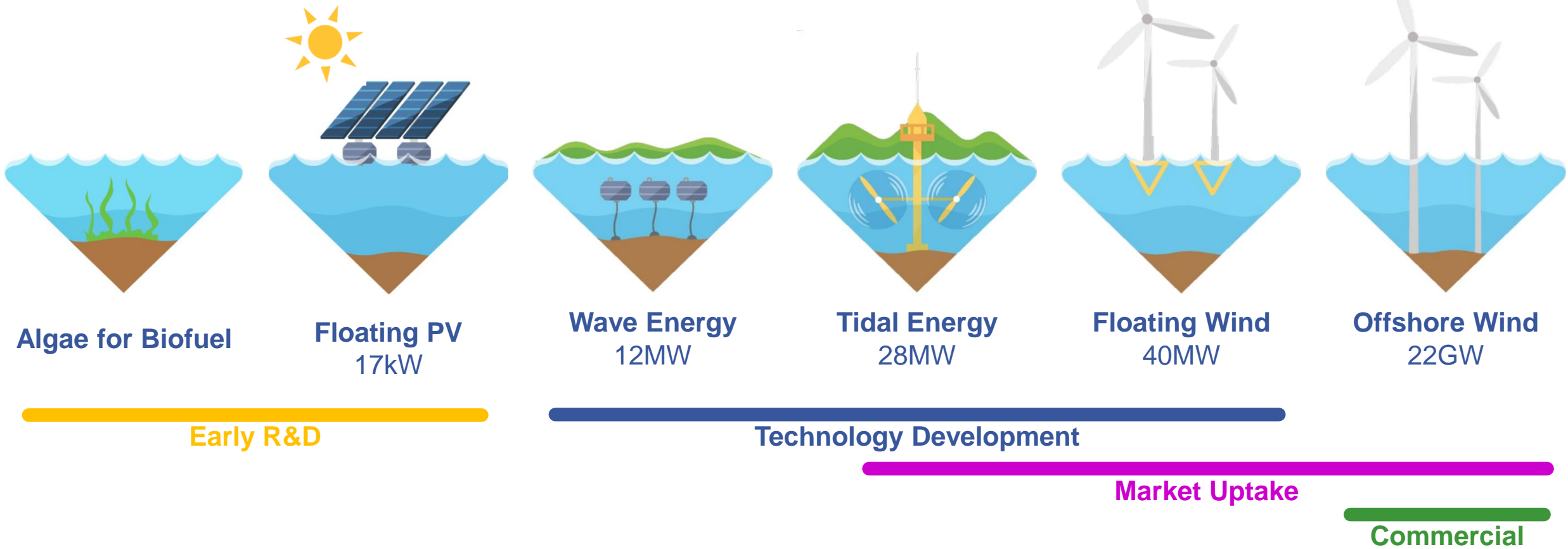
# Offshore Strategy lights the way.

*“The clean energy transition should involve and benefit consumers. Renewable energy sources will have an essential role. **Increasing offshore wind production will be essential**, building on regional cooperation between Member States.”*

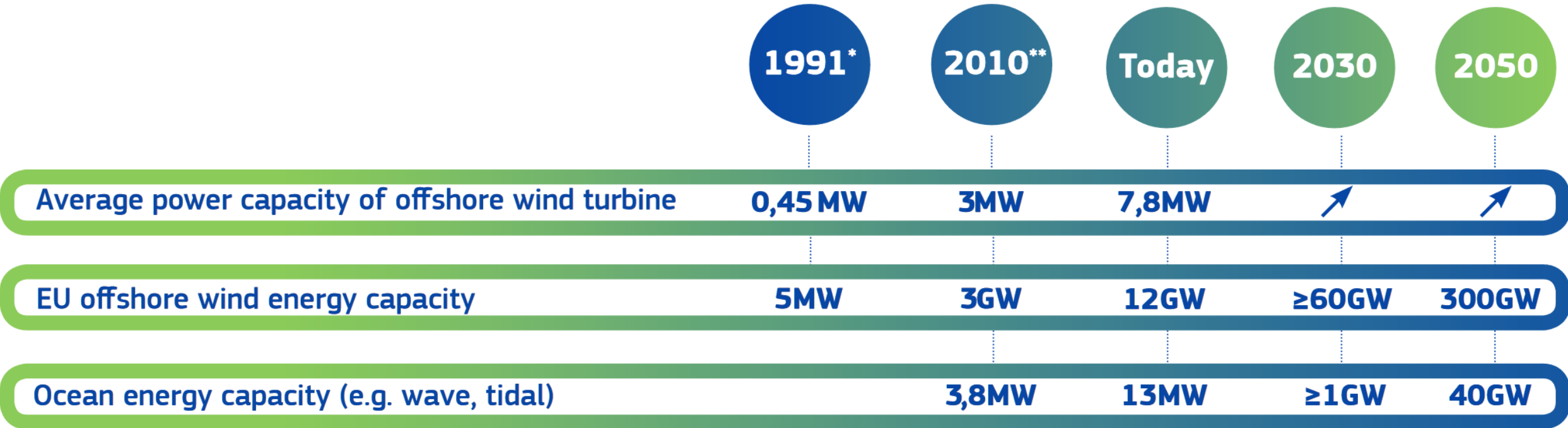
*“This will include ways to manage maritime space more sustainably, notably to help **tap into the growing potential of offshore renewable energy**.”*



# Wide Range of Offshore Technologies.



# A Challenging Way Forward.



\* First offshore wind farm: Vindeby, Denmark.

\*\* Including UK

# The Green Change is Upon Us.

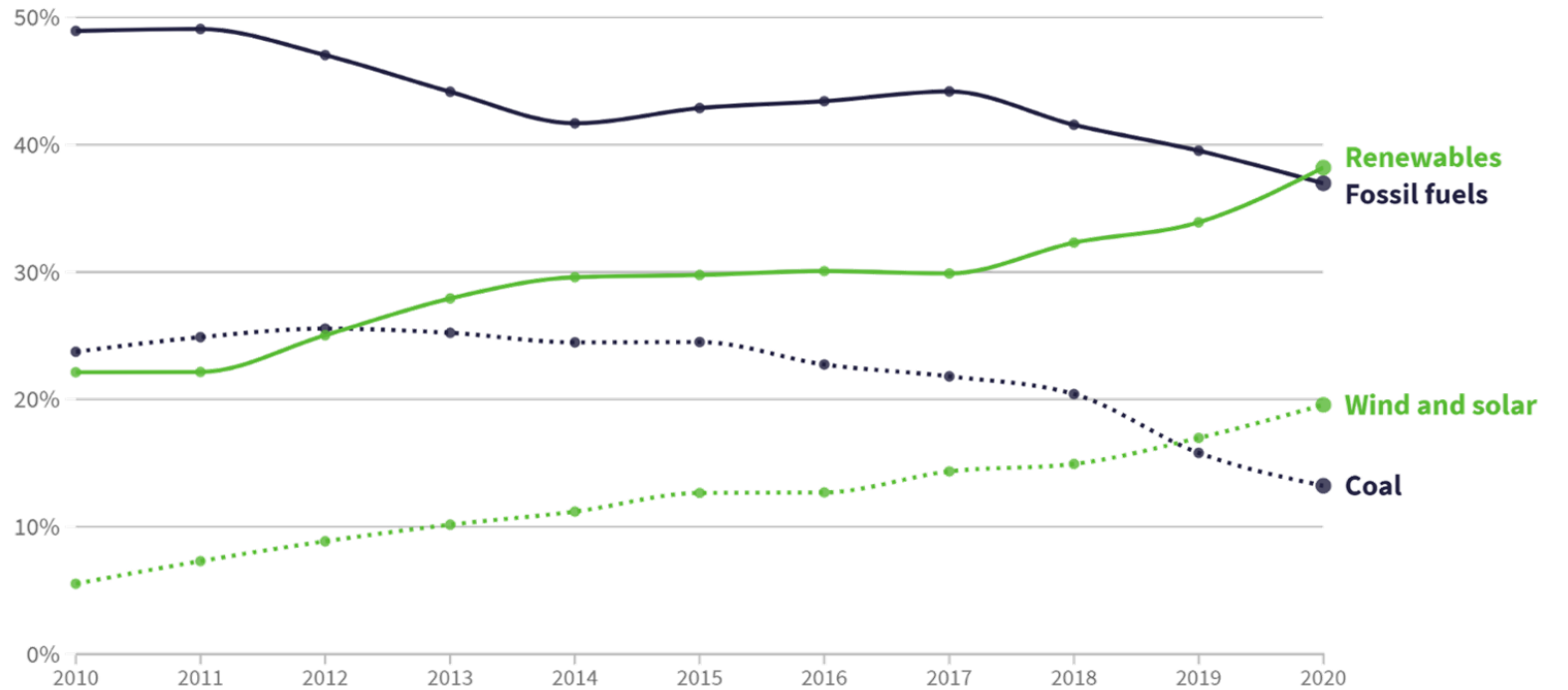
38.2\*

\*Share of Renewables in Gross Electricity Generation

## Renewables overtake fossil fuels

% share of electricity production in EU-27

EMBER



"Europe's Power Sector in 2020", published by Ember and Agora Energiewende on 25th January 2021.

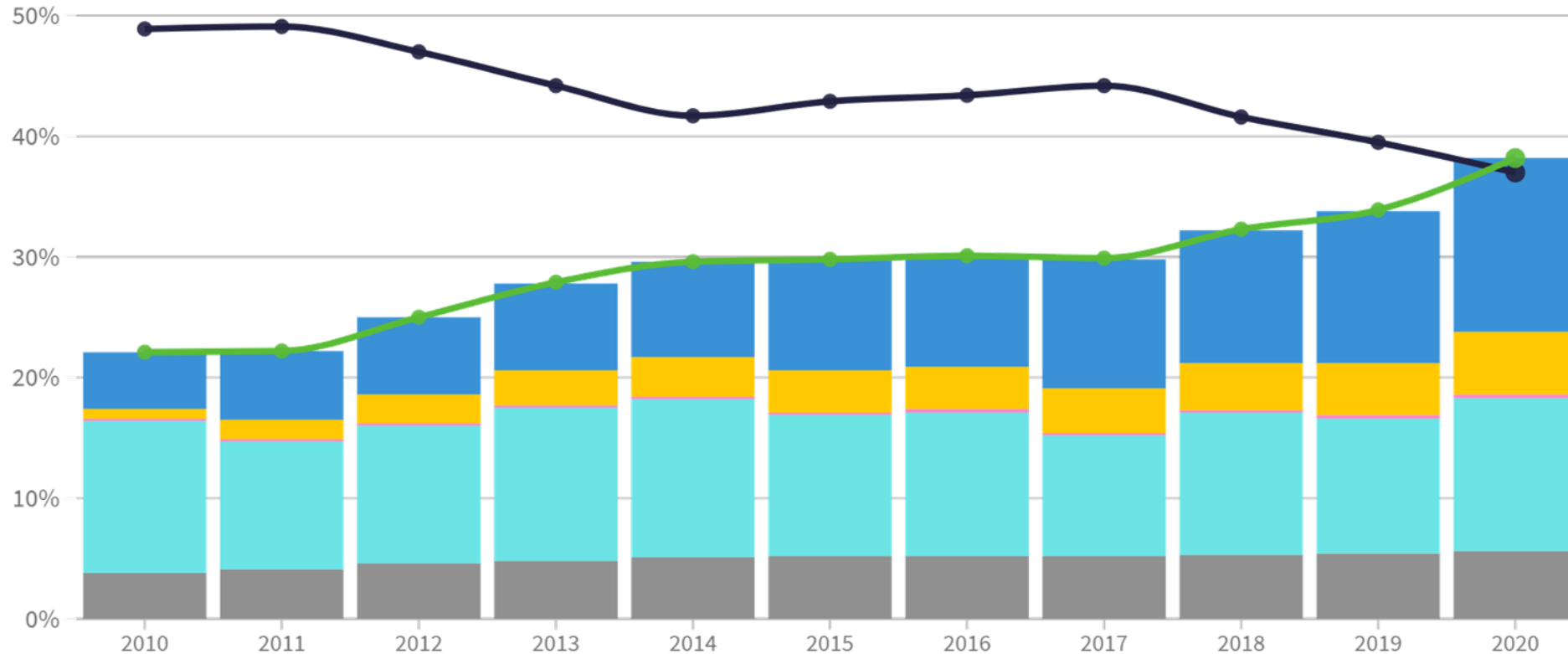
# The Green Change is Upon Us.

## Renewables growth driven by wind and solar

% share of electricity production in EU-27

EMBER

■ Fossil fuels ■ Renewables ■ Bioenergy ■ Hydro ■ Other renewables ■ Solar ■ Wind



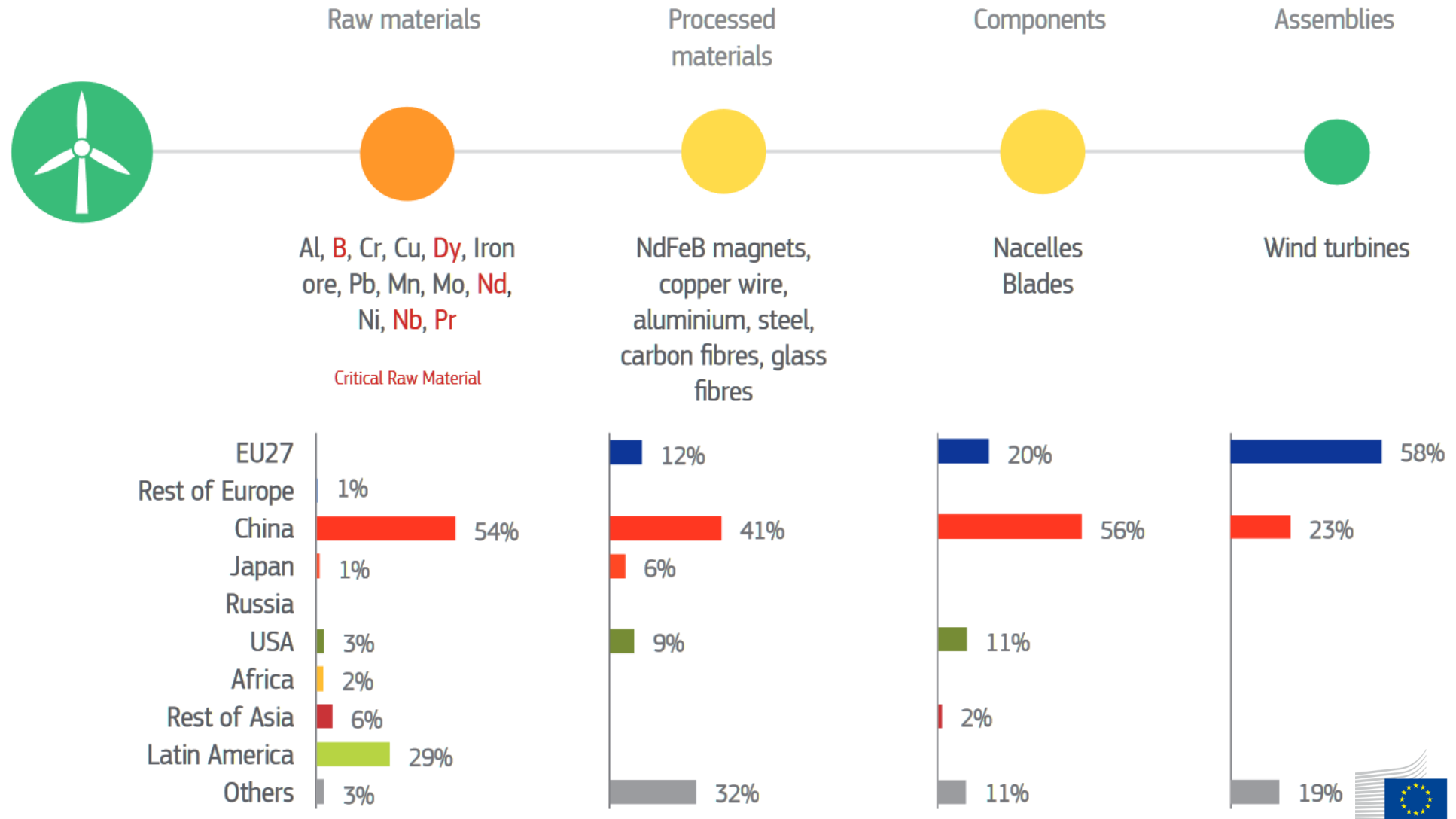
Europe's Power Sector in 2020, published by Ember and Agora Energiewende on 25th January 2021.



# Research and Innovation as a Driver for Change.



# Circularity as a Strategy





# HOW WIND IS GOING CIRCULAR

blade recycling

[etipwind.eu](https://etipwind.eu)

**ETIP Wind**  
EUROPEAN TECHNOLOGY & INNOVATION  
PLATFORM ON WIND ENERGY



**European  
Commission**

# Innovation Fund

Drive low-carbon technologies towards the market.



# Thanks. Danke. Merci. Obrigado.

More info at:

<https://ec.europa.eu/research/>  
<https://ec.europa.eu/energy/>