

Interreg

CENTRAL EUROPE



European Union
European Regional
Development Fund

PROSPECT2030

TAKING
COOPERATION
FORWARD



Online Meeting
October 28.2020



**EU framework: the EU Green Deal and the
climate energy targets for 2030 and 2050**



PROSPECT2030 | HSMD | Prof. P. Komarnicki, [Dr. P. Lombardi](#)

Introduction:
What is the EU
Green Deal and
its aim?

Energy scenario

Provided Funding

Research Funding
Programme

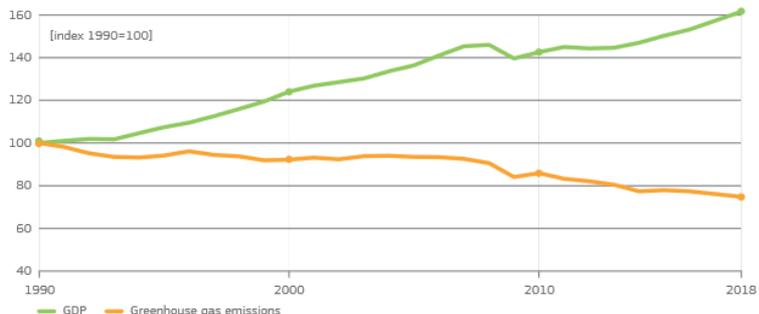


What is the EU Green Deal and its aim?

- First growth strategy for a sustainable EU-economy
- Presented in December 2019 by EU Commission
- Valid for all EU members
- No more net GHG emissions released in 2050
- Economic growth separated from use of resources
- turn the EU into a fair wealthy society with a modern, resource efficient and competitive economy



EUROPEAN GREEN DEAL STRATEGY



CO₂: - 23%
(in 2018)

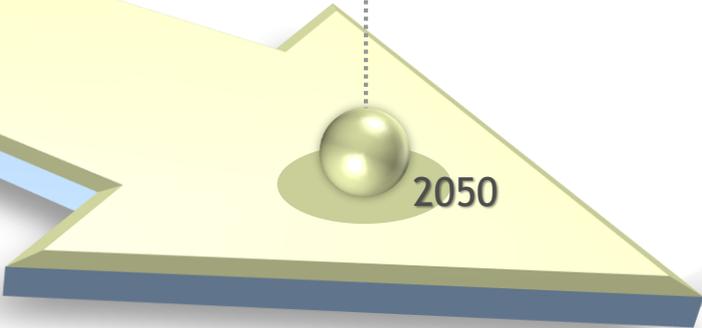
CO₂: - 55%

RES: 100%

CO₂: climate neutrality

RES: 20%
(in 2018: 18,9%)

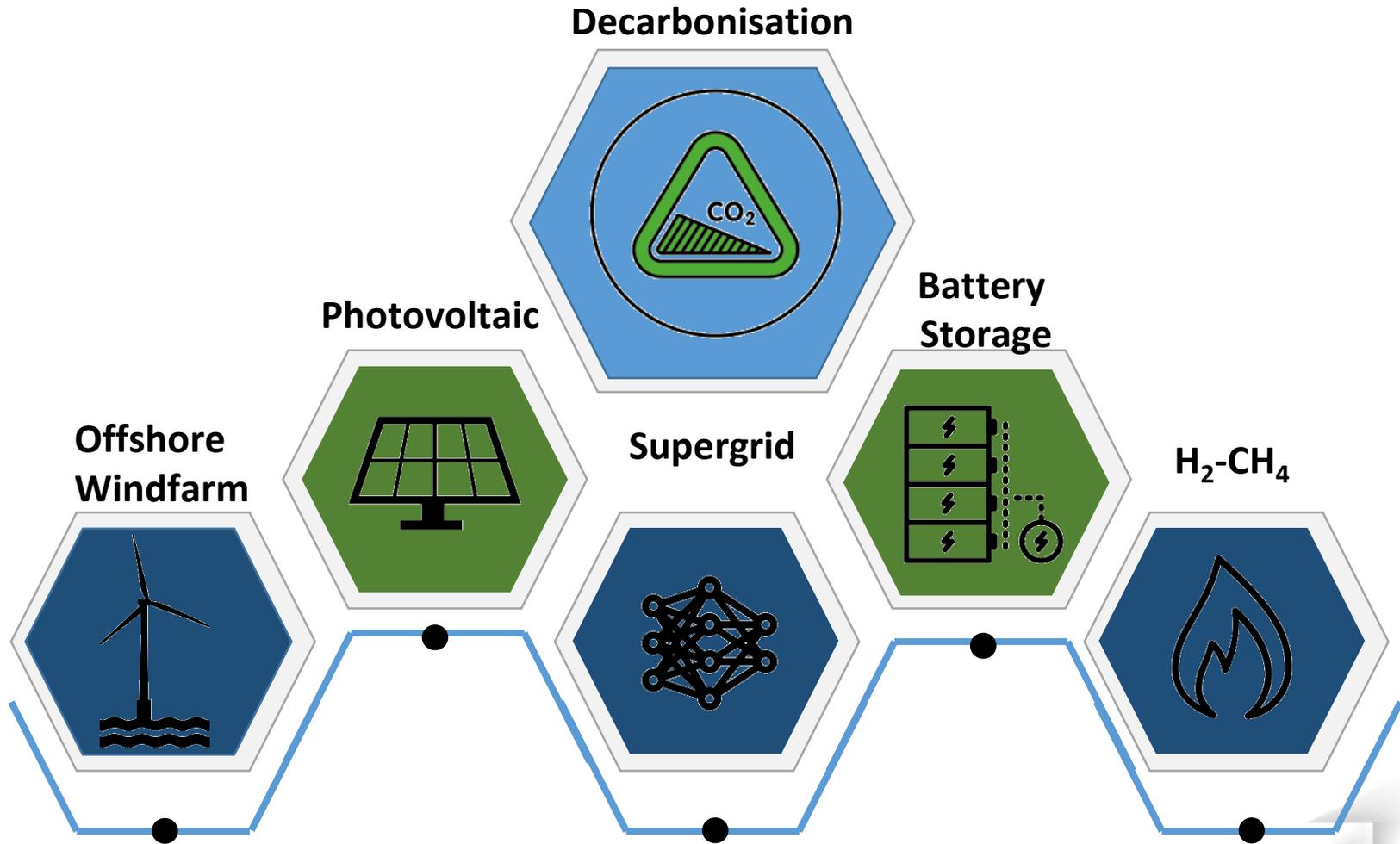
RES: 32%
***CO₂: - 40%**
EEff: +32,5%



* Through the EU ETS, Effort Sharing Regulation (Building, transport, agriculture and waste) and Land use, forestry regulation

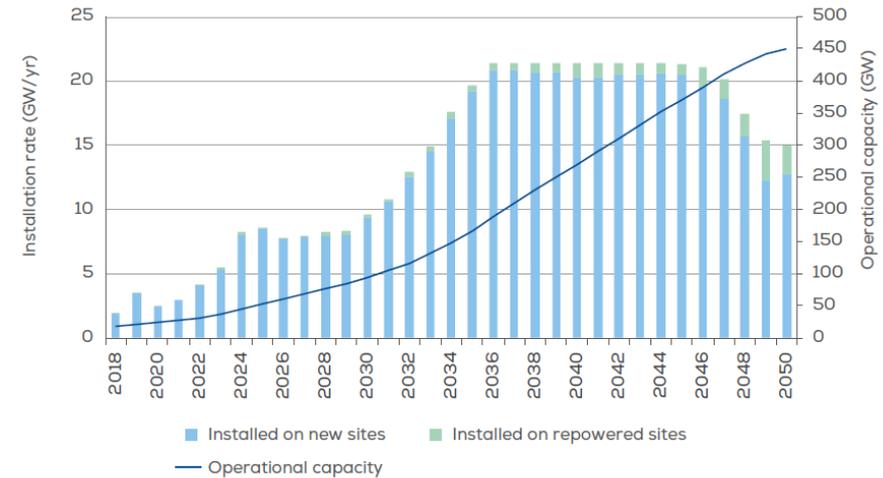
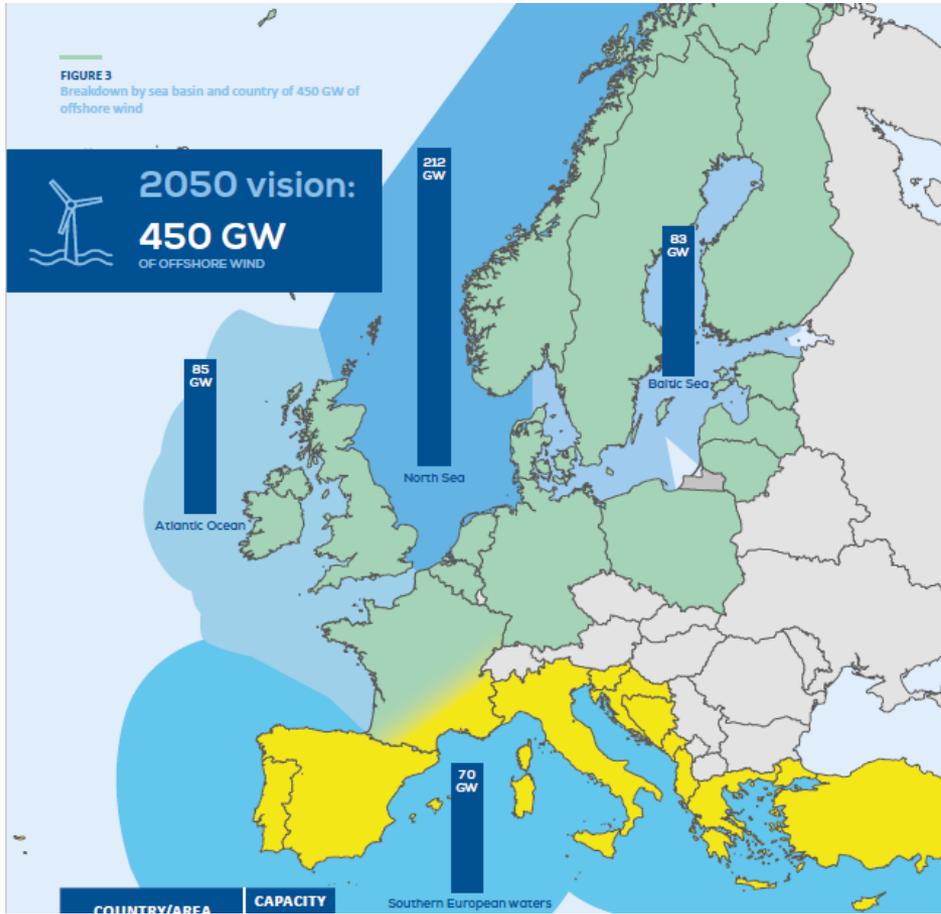


HOW TO ACHIEVE THE DECARBONISATION OF THE ENERGY SYSTEM?



EUROPEAN GREEN DEAL STRATEGY

POWER GENERATION: WIND ENERGY



Source: Wind Europe, „Our Energy, our Future- How offshore wind will help Europe go carbon-neutral”



EUROPEAN GREEN DEAL STRATEGY

POWER GENERATION: SOLAR ENERGY

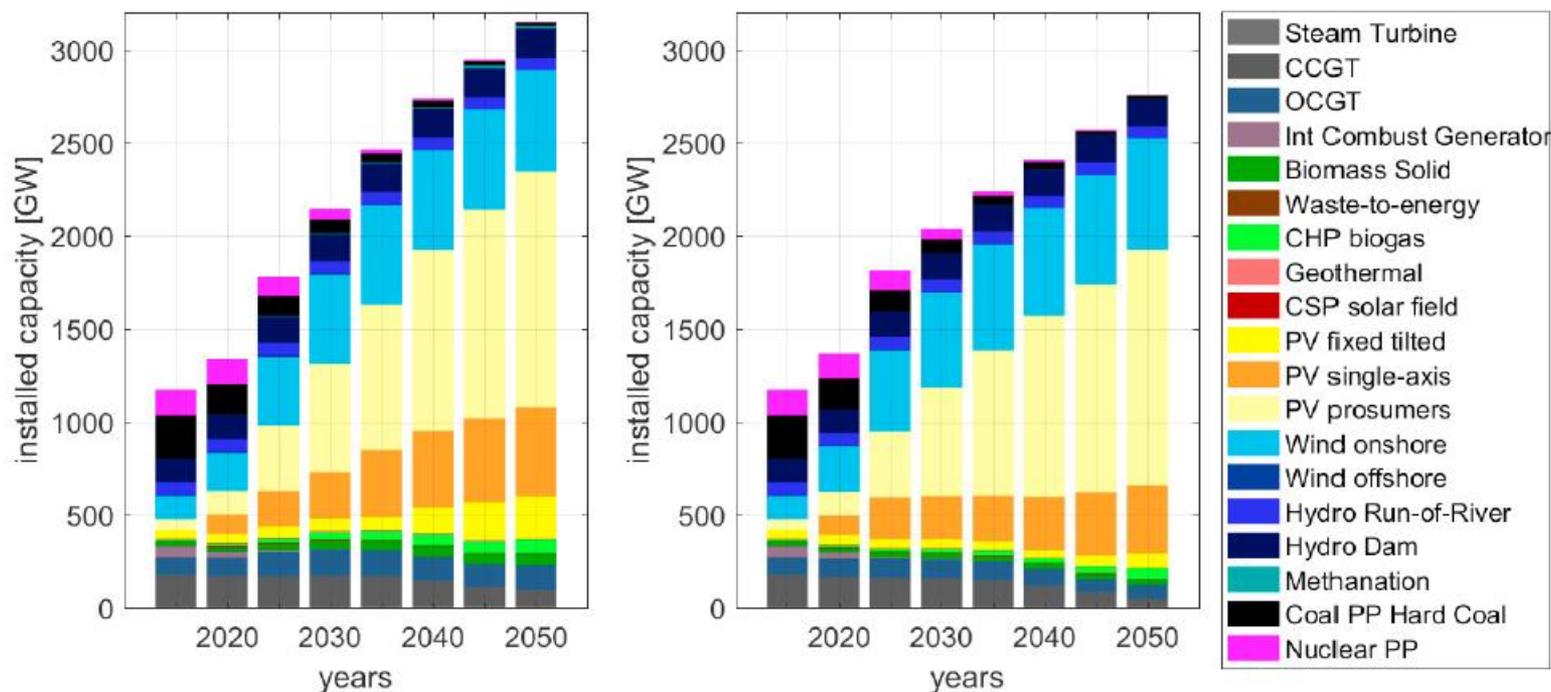


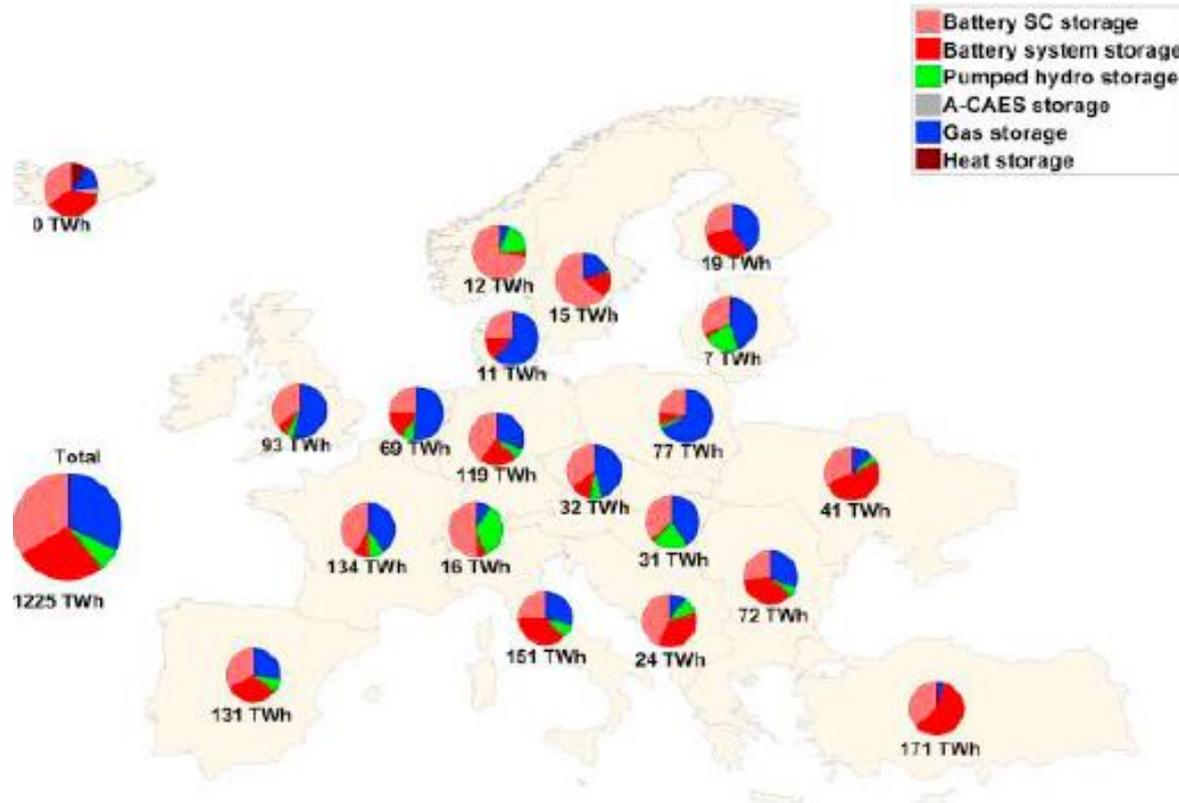
Figure 5. Cumulative installed capacity for all generation technologies from 2015 to 2050 for the Regions (left) and Area (right) scenarios.

Source: M. Child, D. Bogdanov, C. Breyer, „The role of storage technologies for the transition to a 100% renewable energy system in Europe“, IRES 2018



EUROPEAN GREEN DEAL STRATEGY

POWER GENERATION: ENERGY STORAGE



Source: M. Child, D. Bogdanov, C. Breyer, „The role of storage technologies for the transition to a 100% renewable energy system in Europe“, IRES 2018



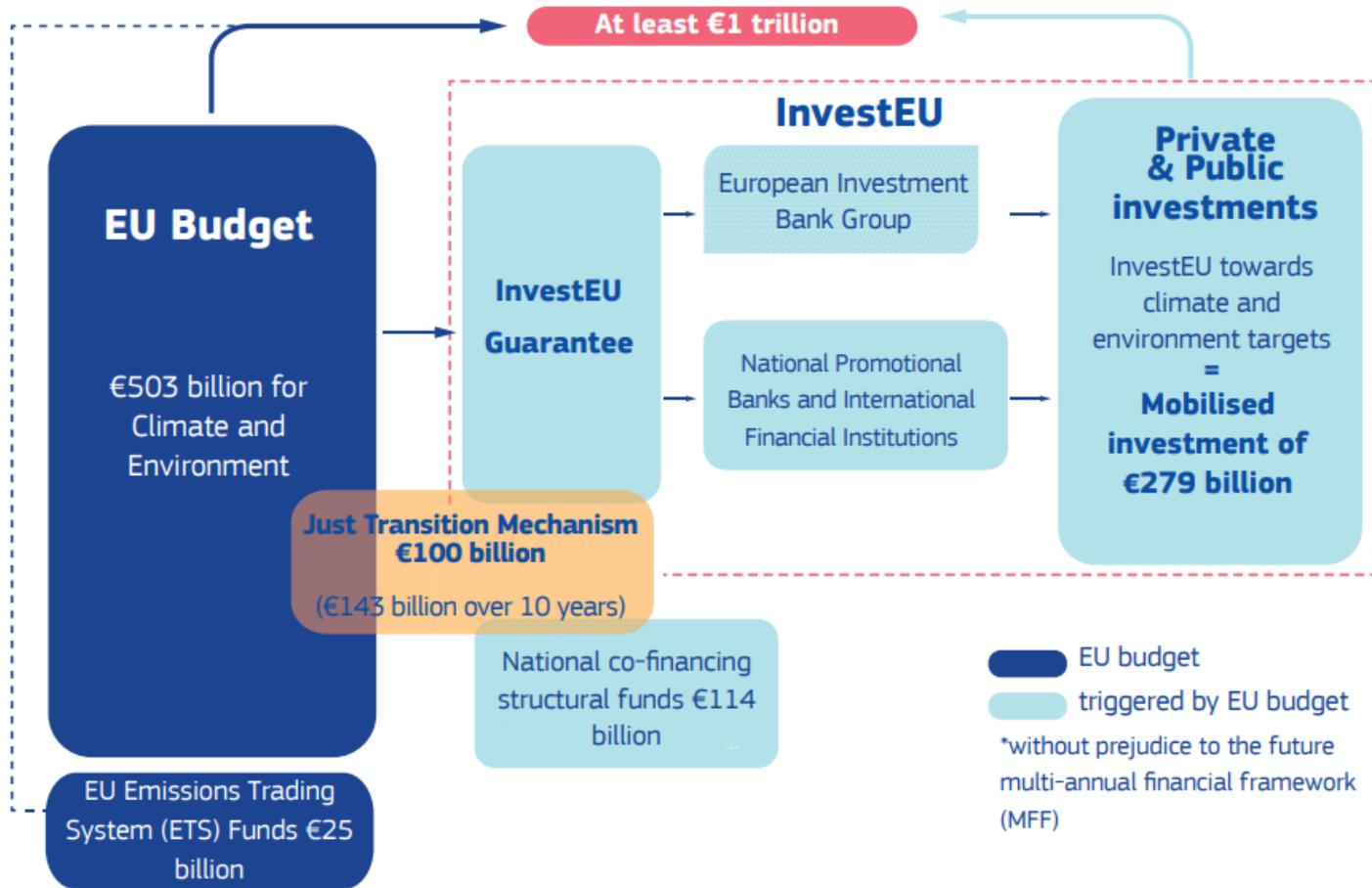
EUROPEAN GREEN DEAL STRATEGY: SUPERGRID



Source: www.supernode.energy



Provided Funding



Research Funding Programme



- Under HORIZON2020~ € 1 billion for *GREEN DEAL CALL*
- Promoting 10 ecological issues



THANK YOU FOR YOUR ATTENTION

