



Executive Committee meeting

August 2021

etipwind.eu



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 826042

This report has been produced with support of the European Commission. The views represented in the presentation are those of its authors and do not represent the views or official position of the European Commission.

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Competition compliance reminder

WindEurope and its members are committed to full and fair competition, and neither WindEurope nor its activities, working groups or task forces shall be used in any way inconsistent with relevant competition laws. In order to promote the compliance with these laws, WindEurope has adopted this Competition Compliance Policy in which the basic rules for competition compliance are set out.

Recap last actions: EXCO meeting 29 June

Action for the Secretariat

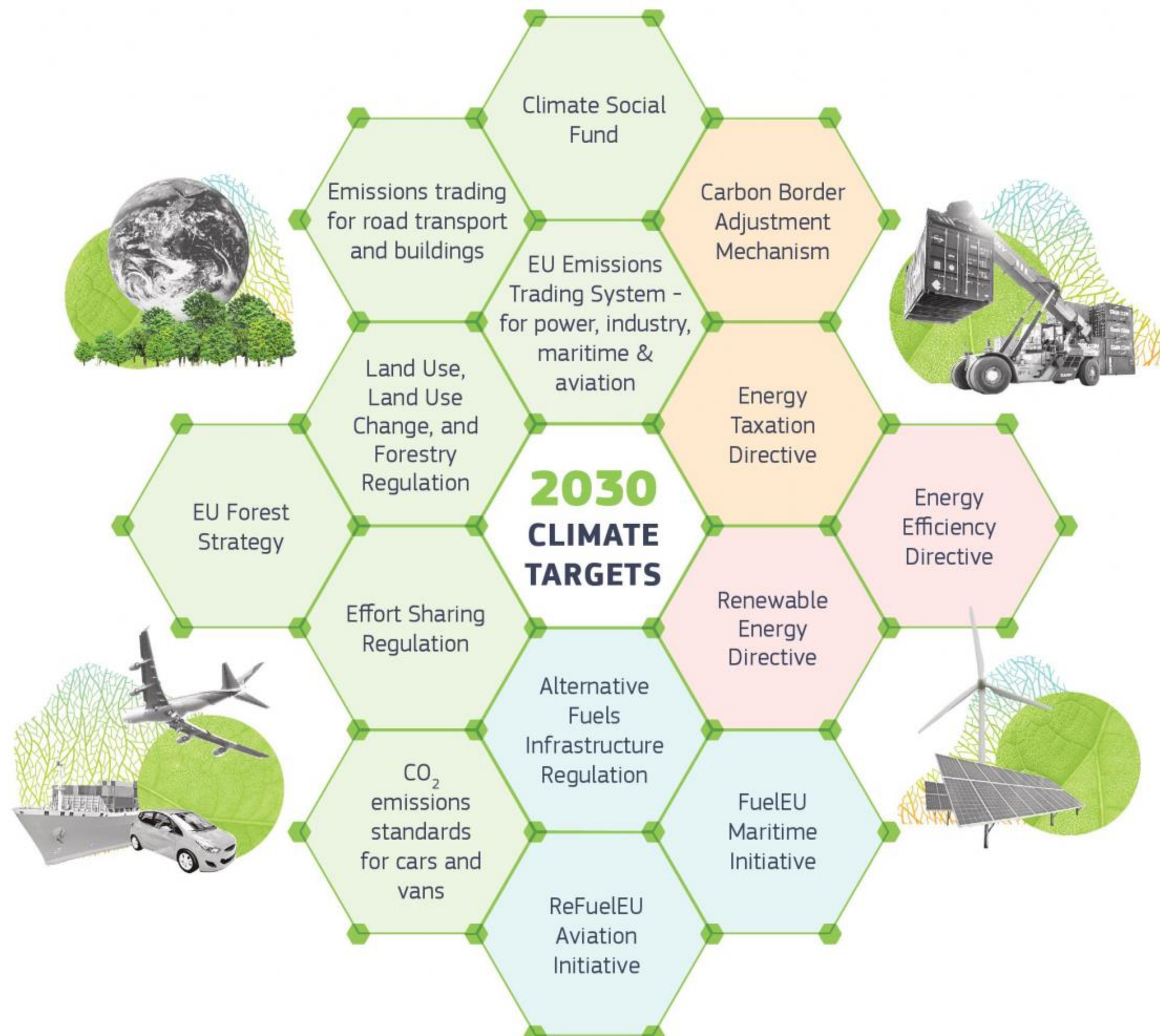
✓ ETIPWind III

The ETIPWind secretariat will set up a second meeting (29 June) to discuss the governance and main activities of ETIPWind going forward.

TIMING	AGENDA ITEM	SCOPE
10:00 – 10:05	Introduction and welcome By Adrian Timbus, Executive Committee Chair	For information
10:05 – 10:20	The fit-for-55 package: impacts and next steps By WindEurope secretariat	For discussion
10:20 – 10:40	Horizon Europe: What is in it and how to make use of it By ETIPWind secretariat	For discussion
10:40 – 10:55	Proposal for collaboration on sustainability and educational aspects By Nicolaus Cutululis and Cathy Jingqing Suo, DTU Wind energy	For discussion
10:55– 11:10	ETS Innovation Fund – results and next steps By ETIPWind secretariat	For discussion
11:10 – 11:20	Upcoming ETIPWind activities By ETIPWind secretariat	For information
11:20 – 11:25	AOB	For information
11:25 – 11:30	Closing remarks By Adrian Timbus, Executive Committee Chair	For information

The Fit-For-55 package

A package deal on the table

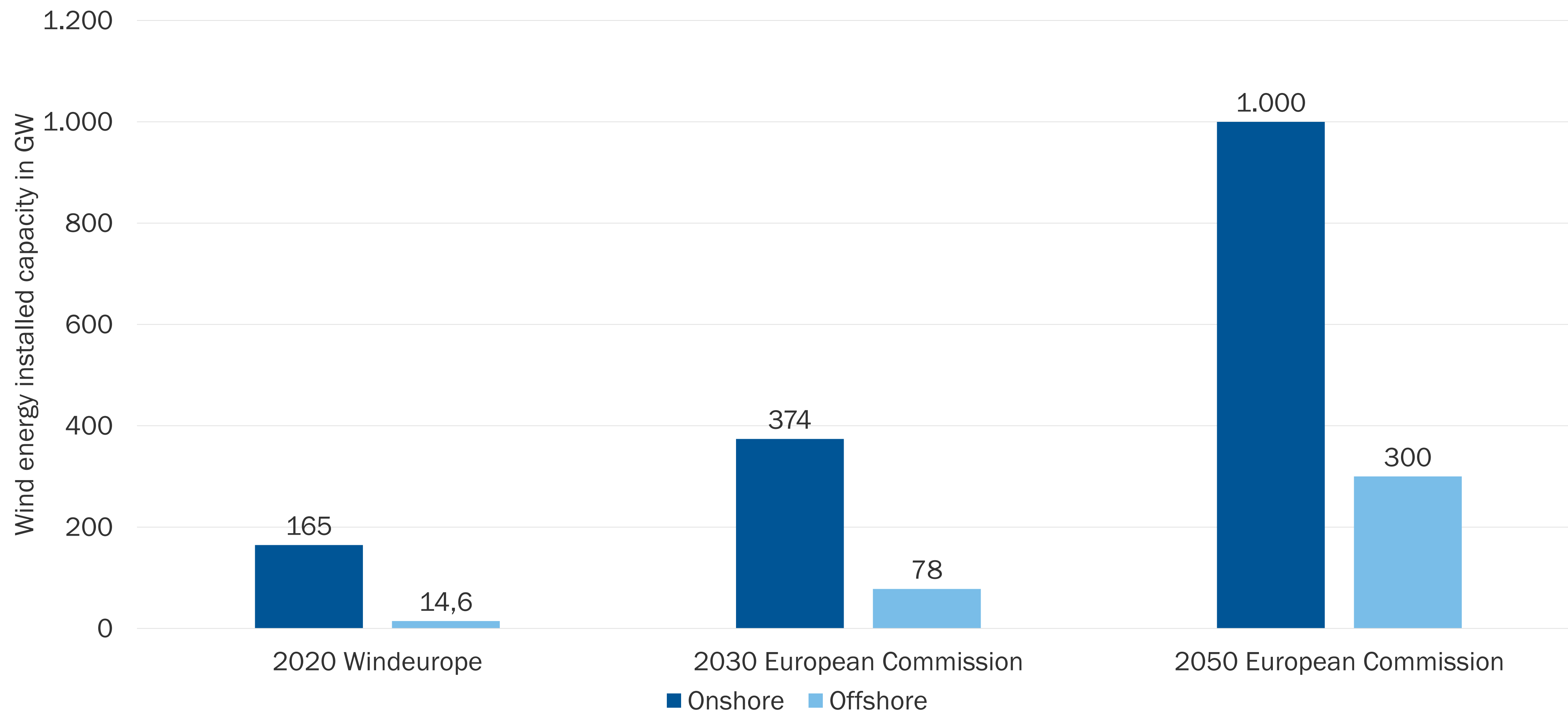


Source: European Commission

Commission proposals

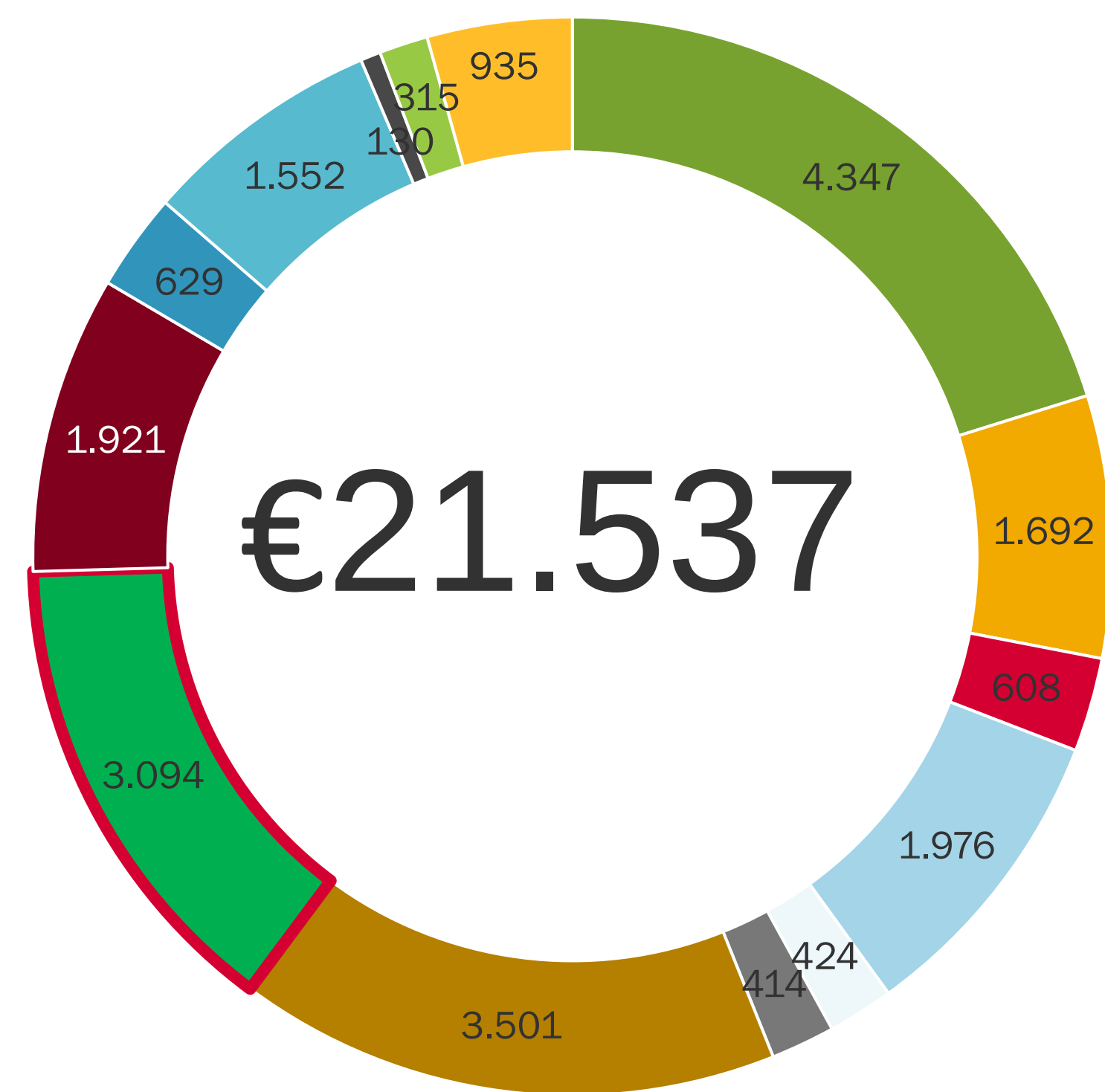
- **Emissions**
 - 55% GHG reduction target (up from 40%)
 - Emission Trading Scheme (ETS): faster decrease of available allowances; include aviation and shipping
 - New ETS for road transport and buildings with a 'social fund' (25% of revenues to mitigate impacts)
 - Carbon border adjustment mechanism
- **Renewables**
 - 40% Renewable energy target (up from 32%)
 - Energy taxation: reduce risk of double taxation (storage)
 - Guarantees of origin for all renewable electricity (PPAs)
- **Electrification**
 - Stringent carbon emission standards and ban on ICE vehicles sales by **2035**
 - Renewable fuels (not biofuels) to be 2.6% of transport fuel mix

A huge increase in wind is coming



Horizon Europe

HEU budget for 2021-2022 (in m€)





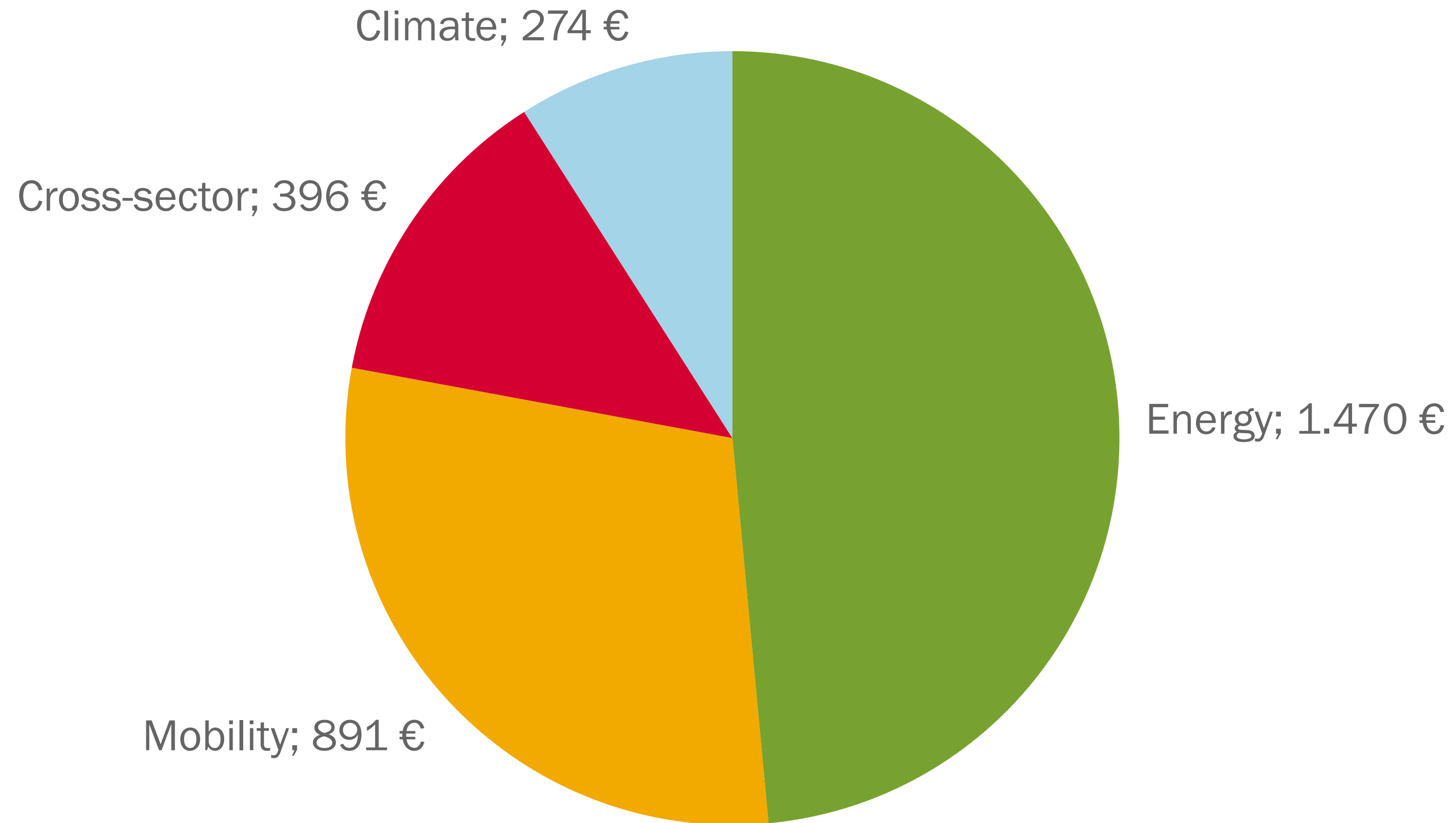
- European Research Council (ERC)
- Cluster 1 - Health
- Cluster 4 - Digital & industry
- JRC
- EIT

- MSCA
- Cluster 2 - Culture, Creative and inclusive society
- Cluster 5 - Climate, energy & mobility
- European Innovation Council
- Strengthening ERA

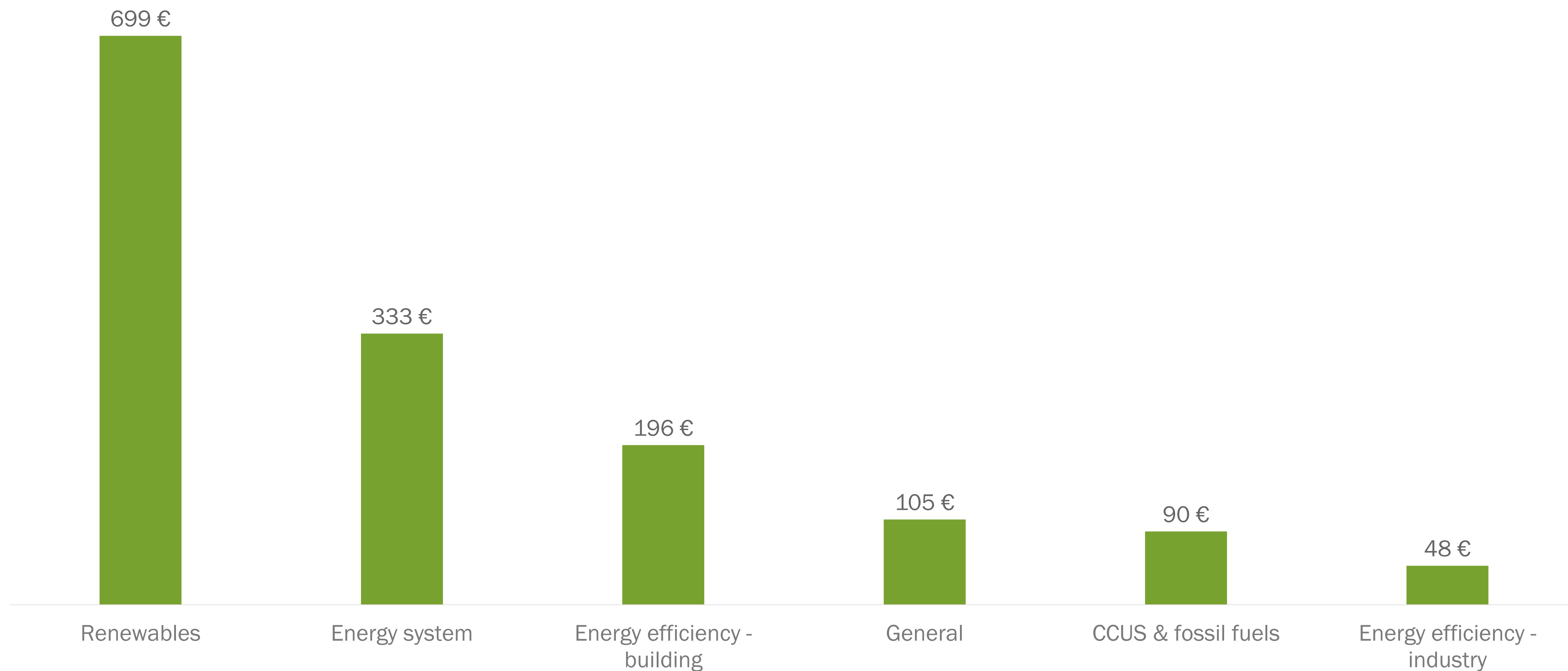
- Research infrastructures
- Cluster 3 - Civil security for society
- Cluster 5 - Food & natural resources
- European Innovation Ecosystems

Source: European Commission

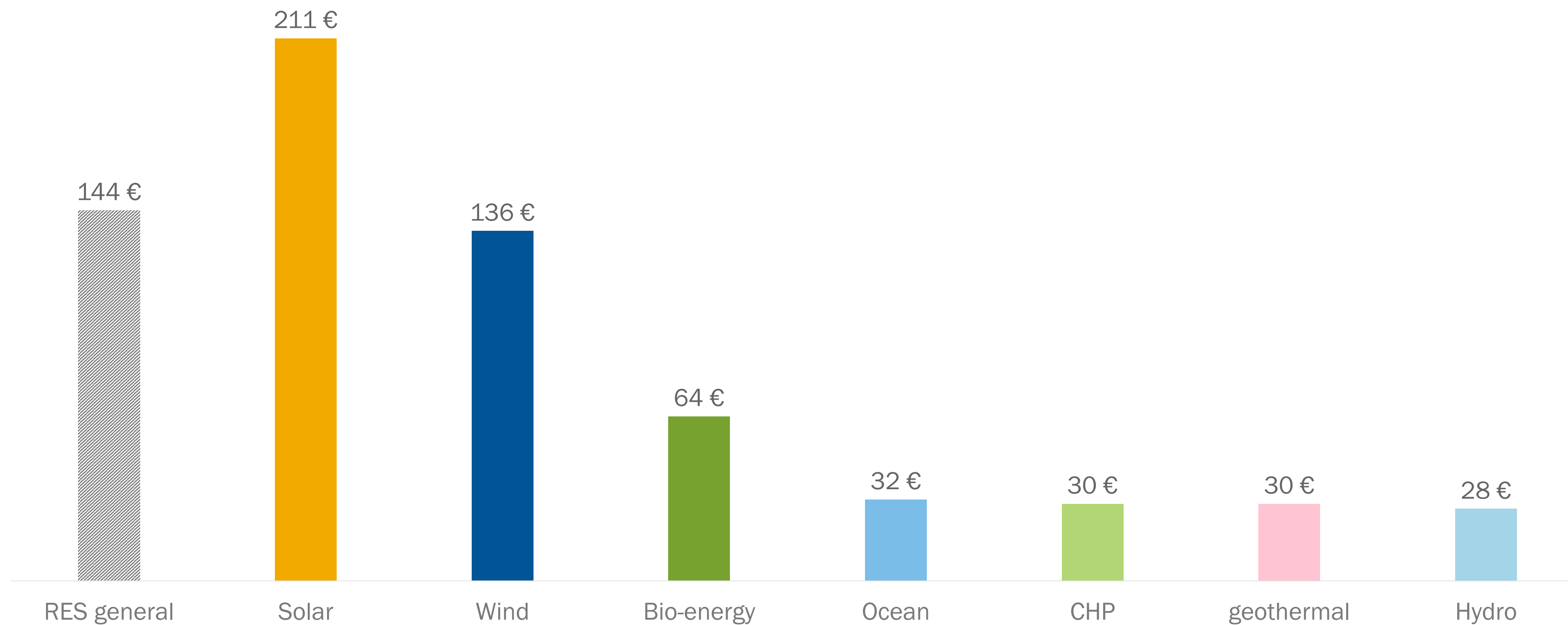
HEU 2021-2022: €3bn available for Climate, Energy & Mobility



HEU 2021-2022 'energy' budget per thematic area (in m€)



HEU 2021-2022 budget for Renewable Energy (in m€)



Selected calls for proposals

Call	Budget	Budget per project	Co-funding rate	Application timing
<u>HORIZON-CL5-2021-D3-03-05 Wind energy in the natural and social environment</u>	€10m	€3m	100%	02/09/2021-23/02/2022
<u>HORIZON-CL5-2022-D3-01-02 Demonstration of innovative materials, supply cycles, recycling technologies to increase the overall circularity of wind energy technology and to reduce the primary use of critical raw materials</u>	€40m (+NextGen EU)	€13m	70% (except non-profit, which are still funded 100%)	14/10/2021- 26/04/2022
<u>HORIZON-CL5-2021-D3-03-12 Innovation on floating wind energy deployment optimized for deep waters and different sea basins (Mediterranean Sea, Black Sea, Baltic Sea, North-east Atlantic Ocean)</u>	€50m (+NextGen EU)	€16m	70% (except non-profit, which are still funded 100%)	02/09/2021-23/02/2022
<u>HORIZON-CL5-2022-D3-03-04 Integrated wind farm control</u>	€18m	€6m	100%	06/09/2021-10/01/2023
<u>HORIZON-CL5-2021-D3-03-04 Physics and aerodynamics of atmospheric flow of wind for power production</u>	€18m	€6m	100%	02/09/2021-23/02/2021
<u>HORIZON-CL5-2022-D5-01-03 Exploiting renewable energy for shipping, in particular focusing on the potential of wind energy</u>	€18m	€9m	100%	02/12/2021-26/04/2022
<u>HORIZON-CL5-2021-D3-01-02 Laying down the basis for the demonstration of a Real Time Demonstrator of Multi-Vendor Multi-Terminal HVDC with Grid Forming Capability: Coordinated action</u>	€1m	€1m	100%	24/06/2021-19/10/2021
<u>HORIZON-CL5-2022-D3-01-09 Real Time Demonstrator of Multi-Vendor Multi-Terminal VSC-HVDC with Grid Forming Capability (in support of the offshore strategy)</u>	€55m (+NextGen EU)	€55m	70% (except non-profit, which are still funded 100%)	14/10/2021-26/04/2022
<u>HORIZON-CL5-2021-D3-02-08 Electricity system reliability and resilience by design: High-Voltage, Direct Current (HVDC)-based systems and solutions</u>	€15m	€7-8m	100%	24/06/2021-05/01/2022
<u>HORIZON-CL5-2021-D3-02-03 Market uptake measures of renewable energy systems</u>	€10m	€2m	100%	24/06/2021-05/01/2022
<u>HORIZON-CL5-2021-D3-02-02 Sustainability and educational aspects for renewable energy and renewable fuel technologies</u>	€10m	€2.5m	100%	24/06/2021-05/01/2022
<u>HORIZON-CL5-2021-D2-01-08 Emerging technologies for a climate neutral Europe</u>	€20m	€2.5m	100%	24/06/2021-19/10/2021
<u>HORIZON-CL5-2021-D3-02-15 Support to the activities of the ETIPs and technology areas of the SET Plan</u>	€9.8m	€1m	100%	24/06/2021-05/01/2022
<u>HORIZON-CL5-2021-D3-03-02 Next generation of renewable energy technologies</u>	€33m	€3m	100%	02/09/2021-23/02/2022
<u>HORIZON-CL5-2022-D3-02-01 Digital solutions for defining synergies in international renewable energy value chains</u>	€9m	€3m	100%	26/05/2022-27/10/2022

4 October – webinar with DG RTD & CINEA



Proposal for collaboration

ETS Innovation Fund

Results from the first calls

Large-scale call (2020)

- 311 projects applied back in 2020. 292 were eligible.
- 70 projects were invited to submit a second application by July 2021. 66 projects did so.
- **10-20 projects will receive funding worth around €1,100m.** No details known yet.
- Grants awarded in Q1 2022 (invitations will be sent in November 2021).
- **15 projects are sent to the EIB for project development assistance** (support to increase bankability of the project).

Small-scale call (2021)

- 232 projects applied for funding in 2021.
- **30 projects will receive funding worth €100m.**
- Evaluation results by end of July 2021.
- Grants signed by October 2021.
- **15 projects are sent to the EIB for project development assistance** (support to increase bankability of the project).

Upcoming calls

Large-scale call (2021)

- **The budget will be between €1,300m and €1,500m.**
- **The call will open on 26 October 2021.**
- Deadline to submit will be March 2022.
- Results by July 2022.
- Grants awarded by November 2022
- The call text will be very similar to the current one. Only minor modifications/clarifications.

Small-scale call (2022)

- The budget will again be €100m.
- **The call will open in March 2022.**
- Deadline in August 2022.
- Results in Q1 2023
- Grants awarded in Q2 2023.

Upcoming activities

Factsheet on energy systems and infrastructure

- Topic decided and confirmed in 2020
- Based on existing ETIPWind and WindEurope reports and data
- Trifold format

17/09
Graphic
drafted

24/09
Full version 1

14/10 Full
version 2

TBC/09
EXCO
feedback

TBC/10
EXCO
feedback

22/10
Final version
(Electric city)

Factsheet on energy systems and infrastructure

- **Setting**
 - Climate neutrality by 2050 depends on massive increase of electrification.
 - The power system will look very differently compared to today.
 - The energy transition is a **collection of different but simultaneous transformations** (in production, distribution, storage and consumption)
- **High-level recommendations**
 - Plan and execute grid build-out (investments and permitting)
 - Interconnectors (make case for offshore hybrids)
 - Optimise existing grid
 - R&I for futureproofing and optimising the system
 -

Factsheet on energy systems and infrastructure

Infrastructure

- Cross-border interconnections
- Grid optimization
- Offshore hybrid projects
- Combined RES power plants

Flexibility

- Batteries
- Storage (e.g, pumped hydro)
- Heat Pumps

Cross cutting

- EV charging infrastructure and vehicle-to-grid
- Renewable hydrogen
- E-fuels production

The background of the slide features a large, stylized wind turbine on the right side, rendered in shades of teal and blue. To the left of the turbine is a complex network diagram consisting of various nodes (circles and rectangles) connected by lines and arrows, suggesting a flow or process. The entire background has a gradient from dark green on the left to dark blue on the right.

AOB

Thanks for your attention



EUROPEAN TECHNOLOGY & INNOVATION
PLATFORM ON WIND ENERGY

Join the conversation
#ETIPWind



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