



# ETIP Bioenergy 10th Stakeholder Plenary Meeting Session 4

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# □ The European Green Deal and the European Climate and Energy Policy set the boundaries

European Climate Law Regulation of 30 June 2021  
REG (EU) 2021/1119

- ✓ At **least 55% net** GHG emissions reduction in 2030 and EU climate-neutrality in 2050

An EU Strategy for Energy System Integration  
COM(2020)299 final

- ✓ sustainable biomass & biofuels, green hydrogen, synthetic fuels

A Hydrogen strategy for a climate-neutral Europe  
COM(2020)301 final

- ✓ industrial chain, demand in industry and mobility, clean hydrogen R&I

Sustainable and Smart Mobility Strategy – putting European transport on track for the future

COM(2020) 789 final

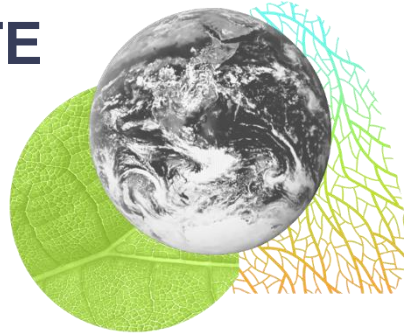
- ✓ zero-emission vehicles, vessels and aircrafts, automatic mobility

EU Biodiversity Strategy for 2030 COM(2020)380 final

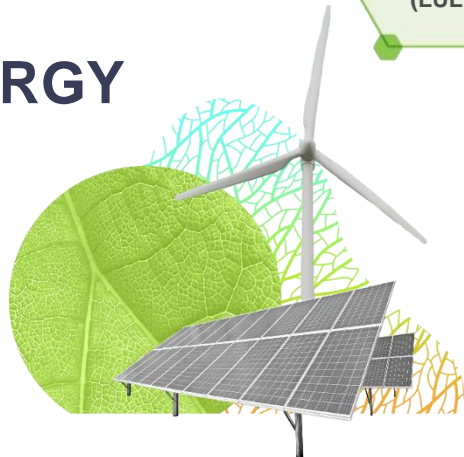
- ✓ restoring forests, soils and wetlands, green spaces in cities

# □ The way forward is linked to “Fit for 55”

## CLIMATE



## ENERGY



## TRANSPORT



## TAXATION AND TRADE



Not legally binding

# ❑ Funding for the innovation is available for R&I and for risk financing

- **Horizon Europe: €95,5 billion** for 2021-2027 including €5.4 billion from NGEU temporary recovery instrument
- **Horizon Europe Innovate Europe (European Innovation Council) : €13,6 billion** for 2021-2027 for support to innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors (70% of the budget earmarked for SMEs)
- **Horizon Europe Cluster 5 - Climate, Energy and Mobility: €15,1 billion** for 2021-2027 including ~ **€ 9 billion** for EU Partnerships (CET P, Waterborne, Clean aviation) and ~ **€ 1,5 billion** for EU Missions (Climate, Oceans, Cities, Soil)
- **InvestEU for Research and Innovation:** With an EU budgetary guarantee of **€6.6 billion**, the Research, Innovation and Digitization is expected to leverage an estimated **€90 billion** of R&I investments
- **Innovation Fund :** With revision of EU ETS the fund is increased to **€47 billion** for 10 years adding **€200 million** allowances for buildings and transport and allowances via the Carbon Border Adjustment Mechanism
- **Next Generation EU: €750 billion** temporary recovery instrument
- **Multiannual Framework including Horizon Europe: €1,074 trillion** long-term budget for 2021-2027

# ❑ R&I supported under Horizon Europe Cluster 5 Climate, Energy and Mobility- Destination Sustainable, secure and competitive energy supply and Renewable Energy focus area. First topics launched in the Work Programme 2021-2022

- Six calls for proposals between **June 2021 and September 2022**
- Improving and scaling up technology in advanced biofuels, synthetic renewable fuels and bioenergy
- Coupling of renewable electricity with biofuel and synthetic renewable fuel production
- Hybridization projects linking biofuels and renewable hydrogen production
- Systemic solutions and circular economy in a value chain approach
- Efficient integration of other RE technologies and CCS in biomass to energy conversion systems
- Gaseous, liquid and solid biomass and renewable energy intermediary carriers as linking elements for integrating renewable energies in the energy system and all energy consuming sectors both for energy use and energy storage
- Zero and negative emissions biofuel production and modern bioenergy



# Thank you!

## #HorizonEU

<http://ec.europa.eu/horizon-europe>

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