# Europe's 2030 climate and energy targets

European Commission

## **RESEARCH & INNOVATION** ACTIONS

The **European Green Deal** aims to make Europe **climate neutral by 2050**. To help meet this target, the EU has agreed to **reduce its net greenhouse gas (GHG) emissions by at least 55% by 2030**, compared to 1990 levels. This **increased level of ambition** requires action in all sectors of the economy.

To achieve this, the **European Commission's latest Green Deal proposals** recognise the **importance of research and innovation**, and of the **Innovation Principle**, in promoting **smart**, **future-oriented policies** and encouraging **technological and social innovation**.



### **HEALTHY AND CLEAN PLANET**

**Horizon Europe'**s actions on 'Climate, Energy, Mobility' & 'Food, Bioeconomy, Natural Resources and Environment' with a **joint funding of around €25 billion**, will underpin the implementation of Europe's 2030 climate and energy targets benefiting people, planet, and prosperity.

The four **Green Deal missions** on climate adaptation, healthy oceans, seas, coastal and inland waters, climate-neutral and smart cities, and soil health and food, will develop innovative and inspiring solutions to systemic challenges..

**The EU Bioeconomy Strategy** will help to increase carbon sequestration in soil, blue carbon, and forests, substitute natural materials for fossil-based in plastics, energy and textiles, and **create up to 400,000 new green jobs in rural and coastal areas.** 

Research and Innovation

#### **BUILT ENVIRONMENT**

**The 'Climate-Neutral and Smart Cities' mission** aims to deliver **100 climate-neutral and smart cities in Europe by 2030**. These cities will be experimentation and innovation hubs for all Europeans. They will act as platforms for social innovation and citizen engagement.





#### TRANSPORT

The Zero-Emission Waterborne Transport (ZEWT) Partnership, with almost €4 billion in funding, will lead to innovative technologies and operations to eliminate all harmful environmental emissions, including water and noise pollution, and to support full climate neutrality of the maritime sector by developing solutions for all main ship types by 2030.

The Towards Zero-Emission Road Transport (2Zero) Partnership, with over €1.2 billion in funding, aims to accelerate the development of zero tailpipe emission road transport, in close cooperation with the Batteries (BATT4EU) Partnership.

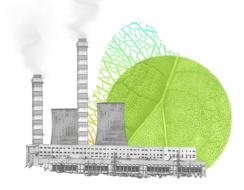
The Clean Aviation Joint Undertaking will invest €3 billion to deliver on reducing aviation's GHG emissions and expects to produce innovative solutions that decrease GHG emissions by at least 30% by 2030.

#### **ENERGY**

With **over €800 million** in funding, the **Clean Energy Transition (CET) Co-funded Partnership** will contribute to **reaching renewable energy targets** by developing, scaling up and implementing solutions for cost-efficient, decarbonised technologies and energy systems.

The Clean Hydrogen Partnership, with over €2 billion in funding, will maintain and strengthen the competitiveness of the EU clean hydrogen value chain.





#### **INDUSTRY AND CIRCULAR ECONOMY**

**The Clean Steel Partnership**, with an **investment of €1.7 billion** over the next decade, will focus on acceleration and deployment of the most promising solutions for achieving climate neutral steel production.

# BACKGROUND

Research & Innovation (R&I) policy contributions



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- The Innovation Fund is one of the world's largest funding programmes for the demonstration of innovative low-carbon technologies.
- 2 Horizon 2020 is the EU's Research and Innovation framework programme 2014-2020.
- 3 Horizon Europe is the EU's Research and Innovation framework programme 2021-2027.

#### PDF ISBN 978-92-76-40275-6 doi:10.2777/0948 KI-08-21-200-EN-N

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