



#### 5<sup>TH</sup> ETV STAKEHOLDER FORUM

# Sustainable technological change under the EU Green Deal

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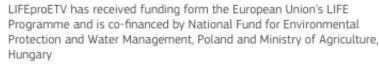
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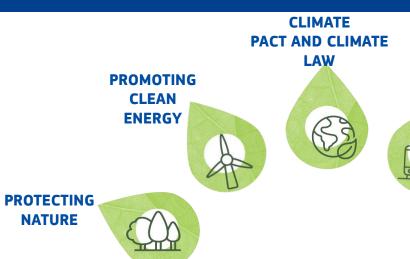




#### >∈TV

#### **5TH ETV STAKEHOLDER FORUM**





INVESTING IN MORE SUSTAINABLE, SMARTER MOBILITY



MOBILISING INDUSTRY
FOR A CLEAN AND
CIRCULAR ECONOMY



The European Green Deal



**ELIMINATING POLLUTION** 







ENSURING
A JUST
TRANSITION
FOR ALL

MAKING HOMES ENERGY EFFICIENT FINANCING GREEN PROJECTS













## The Circular Economy Action Plan



35 actions

Make sustainable products the norm in the FU

Empower consumers and public buyers
Sustainable production processes

**Electronics and ICT** 

Batteries and vehicles

**Packaging** 

**Plastics** 

**Textiles** 

Construction and buildings

Food, water and nutrients

Reduce Waste
Reduce Waste Exports
Boost market for high quality and safe
secondary raw materials

Making circular economy work for people, regions and cities

Circular economy as a requisite for climate neutrality

**Getting the Economics Right** 

**Financial Markets** 

**Investments and R&I** 

**Global Level Playing Field** 

**Monitoring** 













### The Zero Pollution Ambition

The zero pollution vision for 2050 is for air, water and soil pollution to be reduced to levels no longer considered harmful to health and natural ecosystems, that respect the boundaries with which our planet can cope, thereby creating a toxic-free environment.















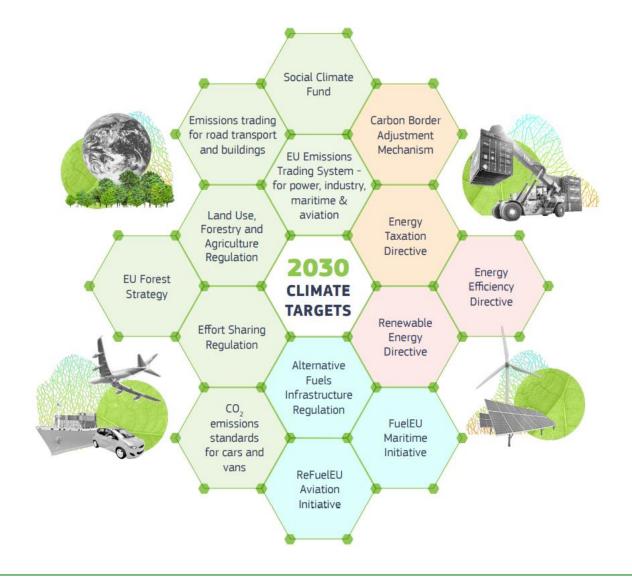




## **Climate:** Fit for 55 Package

## **DELIVERING THE EUROPEAN GREEN DEAL**



















## **New Industrial Strategy and SME Strategy**



Updating the 2020 New Industrial Strategy: Building a stronger Single Market for Europe's recovery

{SWD(2021) 351 final} - {SWD(2021) 352 final} - {SWD(2021) 353 final}

#### **Transition pathways**

Co-create jointly with industry and stakeholders, transition pathways to identify the actions needed to achieve the twin transitions, giving a better understanding of the scale, benefits and conditions required.















## **Horizon Europe**

#### SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

Research actions

Development actions

#### SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT\*

Exclusive focus on civil applications



Pillar I EXCELLENT SCIENCE

**European Research Council** 

Marie Skłodowska-Curie

**Research Infrastructures** 



PIIIar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS

- Health
- Culture, Creativity & Inclusive Society
- · Civil Security for Society
- · Digital, Industry & Space
- · Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology\*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system















## LIFE Programme and European Funds



Funds supporting the development and uptake of new environmental technologies:

- European Regional Development Fund
- Innovation Fund
- Cohesion Fund



**NATURE & BIODIVERSITY** 



CIRCULAR ECONOMY & QUALITY OF LIFE



CLIMATE CHANGE
MITIGATION & ADAPTATION



**CLEAN ENERGY TRANSITION** 













## The EU taxonomy for sustainable activities

#### Purpose:

- To **shift and direct investments** towards sustainable projects and activities
- To provide a **clear definition** of what is 'sustainable'
- To establish a classification system, with a list of environmentally sustainable economic activities
- To bring investors more security and protection from greenwashing
- To help companies become more climate-friendly

#### 6 environmental objectives:

- Climate change mitigation
- Climate change adaptation
- The sustainable use and protection of water and marine resources
- The transition to a circular economy
- Pollution prevention and control
- The protection and restoration of biodiversity and ecosystems















## Green Deal: the need for adoption of new environmental technologies

- To **provide solutions** to new needs and policy objectives
- In **all technological fields**: air, water, soil pollution, production processes in all sectors, incl. agriculture, transports, energy, housing, manufacturing, materials
- For **independant**, **reliable assessment** of technologies performance
  - For investors and technology users to have **accurate information** on technologies
  - ❖ For reliable information to into **policy and regulatory developments**



#### **European Technology Verification (ETV)**

- 3rd party assessment of the performance of innovative environmental technologies: proves reliability and helps differentiation
- **Technology scope: 1)** Water treatment and monitoring, **2)** Materials, waste and resources, **3)** Energy technologies
- Possible extension to: 4) Soil and groundwater monitoring and remediation, 5) Cleaner production and processes, 6) Environmental technologies in agriculture, 7) Air pollution monitoring and abatement

→ EU ETV can help identify technologies contributing to the achievement of EU Green Deal objectives and targets and reduce the risks of for purchasers and users of innovative environmental technologies









