



#EULife23 INFO DAYS

LIFE Climate Change Mitigation and Adaptation sub-programme
Policy priorities and highlights

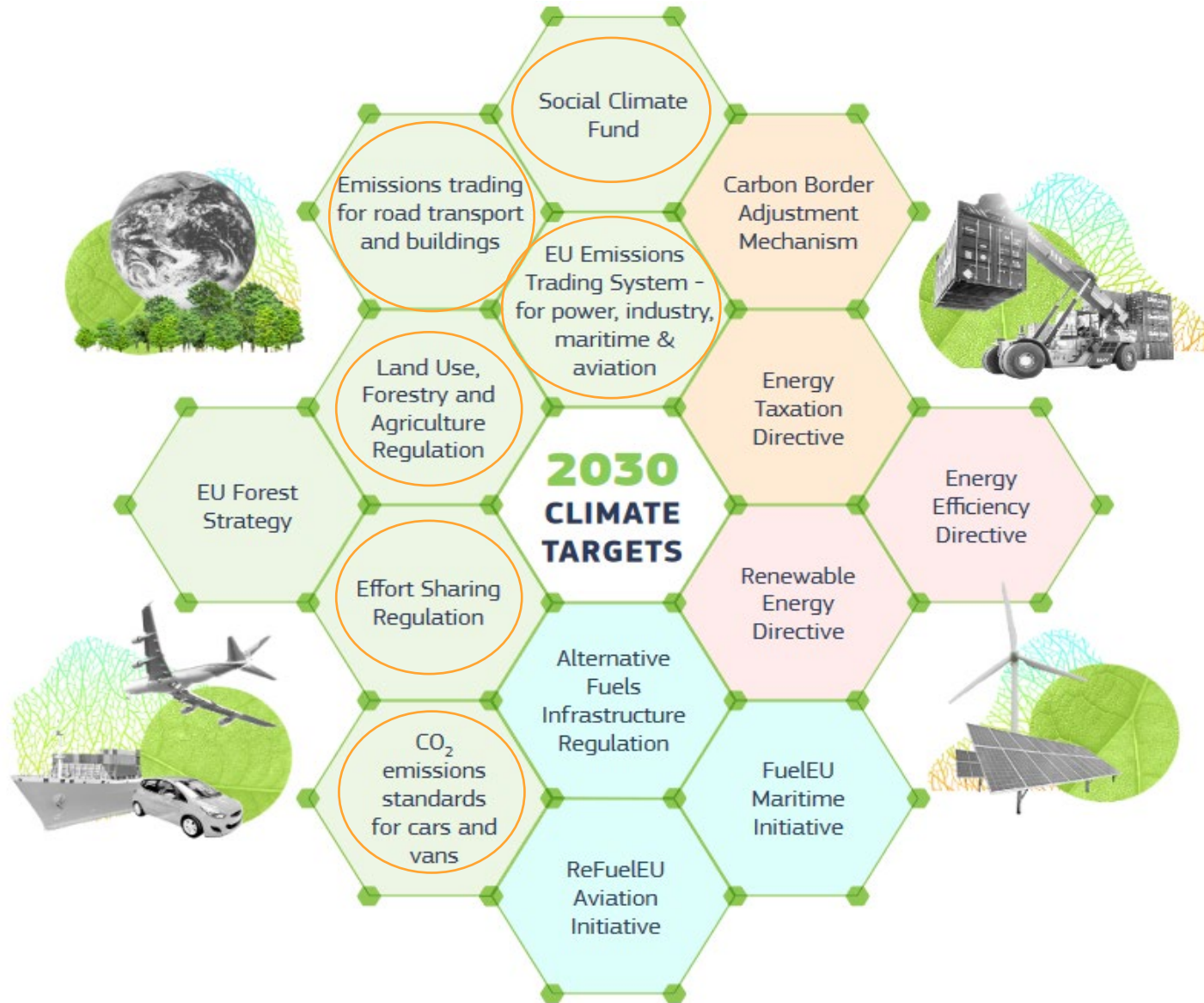
Brussels, 26 April 2023

Maria VELKOVA, acting Head of Unit

European Commission, CLIMA.C.2 – Low Carbon Solutions (II):

Research & Low Carbon Technology Deployment

Increasing the EU's Climate Ambition for 2030 & 2050



Other Green Deal Climate Files

- Proposal to revise the F-Gas Regulation
- Proposal to revise the Ozone-Depleting Substances (ODS) Regulation
- Proposal for a Regulation on the Certification of Carbon Removals
- Proposal to revise the Regulation on Emissions from Heavy Duty Vehicles (HDVs)

REPower EU

Massive **acceleration & expansion of renewable energy**

Solar energy: new target of 320 GW by 2025 and European Rooftop Initiative

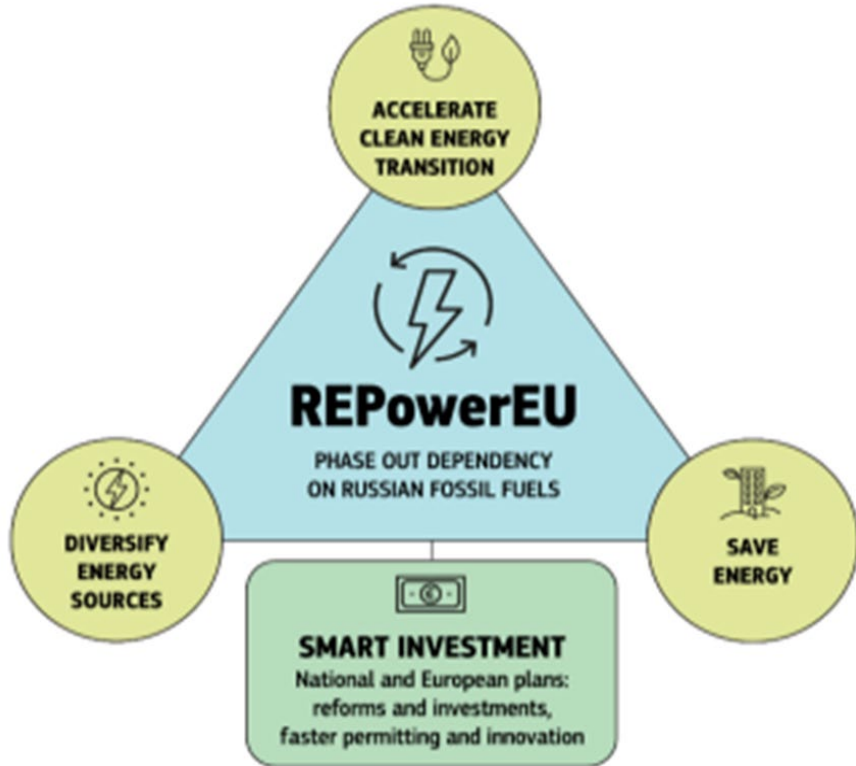
Heat pumps: Doubling the deployment rate to a total of 10 million units over the next 5 years

Increasing the RED target: from 40% in July proposal to 45% by 2030

Accelerating & improving permit-granting processes

In response to the **energy crisis:**

- New measures were agreed, inter alia a **market mechanism to limit excessive gas prices, an oil price cap & temporary emergency measures**
- Plans to **reform the EU's electricity market design**



Green Deal Industrial Plan

- Make Europe the home of clean-tech and industrial innovation on the road to net zero
- 4 pillars: **Regulatory Environment**, **Financing**, **Skills** and **Trade**

➤ 16 March 2023: the EU Commission proposed the **Net-Zero Industry Act**

➤ **Aims at innovating and scaling up the manufacturing capacity of net-zero technologies in the Union**

➤ Global market for key mass-manufactured net-zero technologies is set to triple by 2030 (around EUR 600 billion/year)

➤ Wide definition for net-zero technologies, with nevertheless a **focus on 8 specific areas**

➤ **Ambition:**

➤ **Scale up net-zero technology manufacturing** in the EU to provide at least **40%** of the EU's annual deployment needs **by 2030**

➤ **Free movement of net-zero technologies** placed on the single market

➤ **An annual injection capacity of at least 50 million tonnes of CO2** shall be achieved **by 2030**



Solar photovoltaic and solar thermal



Hydrogen electrolyzers and fuel cells



Sustainable biogas/biomethane technologies



Battery/storage technologies



Heat pumps and geothermal energy technologies



Grid technologies



Onshore wind and offshore renewables



CO2 Capture and Storage (CCS)

National Energy and Climate Plans

- In 2023 Member States will need to submit a draft update of their **NECPs** (final version to be submitted by June 2024). The NECPs are a key tool to achieve the 2030 ambition and to adapt to the new geopolitical reality:
 - Including reflecting the higher ambition under the Effort Sharing Regulation and the LULUCF Regulation
 - Increasing energy security in the context of Repower EU
 - Including measures to facilitate the manufacturing scale-up of commercially available low-carbon technologies, equipment and components within their territory. Those plans should also describe Member States' objectives and policies to achieve such scale-up through diversification efforts in third countries, and to enable their industries to capture and store CO2 emissions permanently in geological storage sites.

A strengthened role for adaptation

Article on adaptation to climate change (Article 5)

- Union and Member States to ensure continuous **progress** on adaptation
- Legal framework for **new EU adaptation strategy** of February 2021
- Union institutions and Member States to ensure that adaptation policies are **coherent, mutually supportive and mainstreamed** into all policy areas
- Requirements on **Member States' adaptation strategies**
- Commission **guidelines for management of climate risks**, implemented through the climate proofing technical notice of 2021

- [EU Mission on Adaptation to Climate Change Portal](#), including the Community of Practice Facility
- [European Climate Risk Assessment \(EUCRA\)](#), Spring 2024

Thank you



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