



#EULife23 INFO DAYS

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

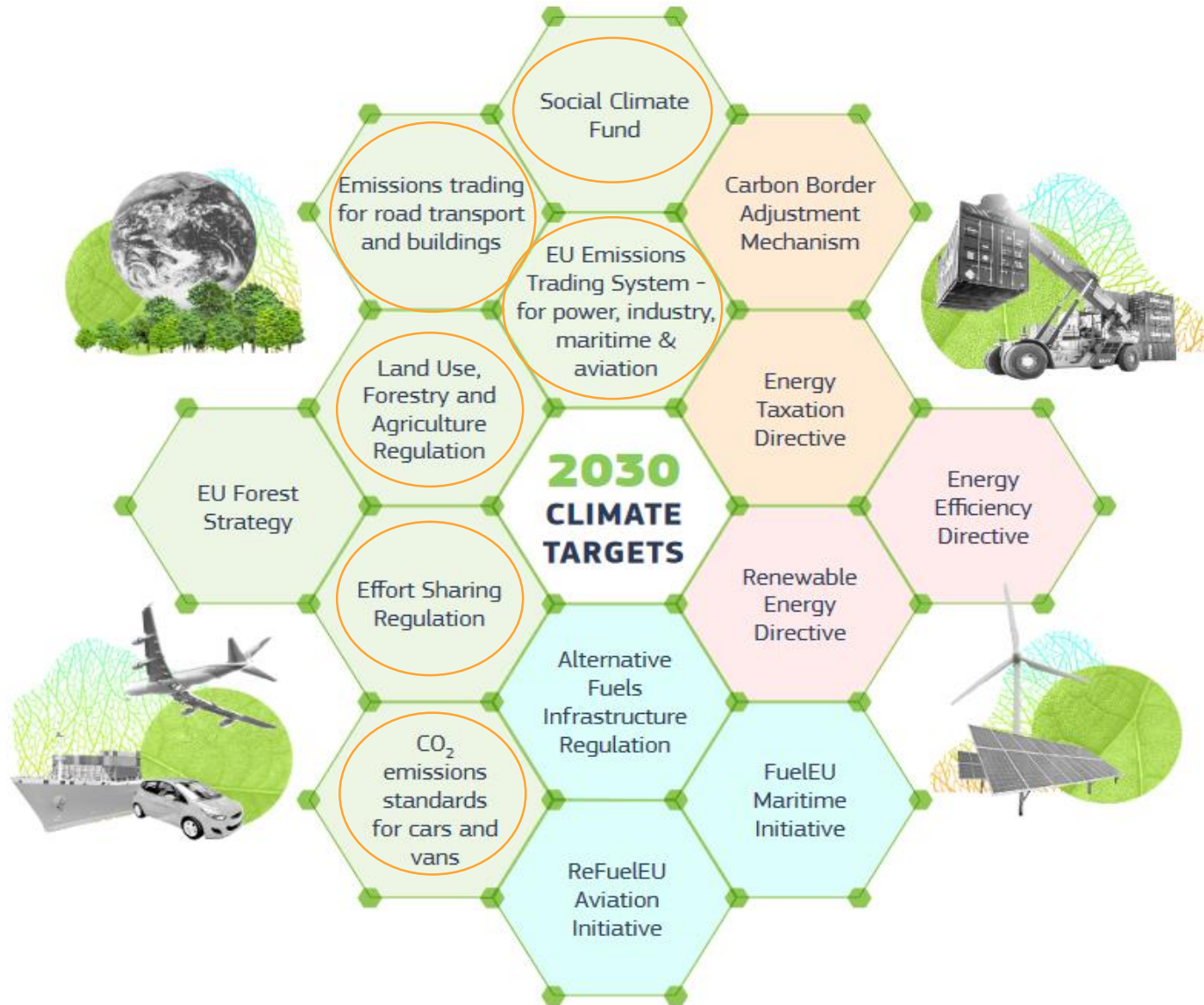
Brussels, 26 April 2023

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

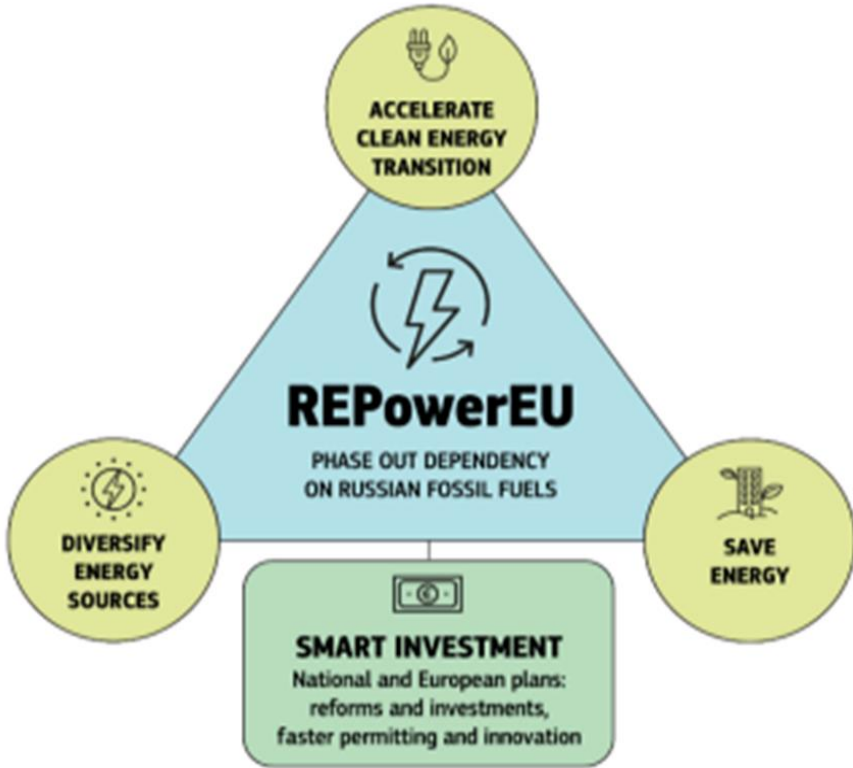
Heat pumps: Doubling the deployment rate to a total of 10 million units over the next 5 years

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



ec.europa.eu/clima



EUClimateAction



ourplanet_eu



EUClimateAction



EUClimateAction



© European Union 2023

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



LIFE Call 2023

LIFE-2023-SAP-CLIMA

Priorities & project examples



EU LIFE Info Days 26 April 2023

European Climate,
Infrastructure and
Environment
Executive Agency

Darek Urbaniak

Mirjam Witschke

Diana Oancea

2023 Call: Scope and areas of intervention for **Climate Change Mitigation**

Scope and areas of intervention

Actions to **reduce greenhouse gas emissions** in the sectors not covered by the EU Emissions Trading System, including the reduction of use of fluorinated greenhouse gases and ozone-depleting substances

- ✓ Availability of suitable alternatives to fluorinated gases
- ✓ Recovery, reclamation and recycling of fluorinated greenhouse gases
- ✓ Actions to support the shift to zero-emission mobility (in road transport)
- ✓ Decarbonising non-road transport modes, fostering intermodality and modal shift

Actions which **enhance the functioning of the Emissions Trading System** and which have an impact on energy and greenhouse gas intensive industrial production

- ✓ Energy-intensive industries (EIIs) and their supply chain
- ✓ Industries which may be exposed to a significant risk of carbon leakage



2023 Call: Scope and areas of intervention for **Climate Change Mitigation**

Scope and areas of intervention

Increase the generation and use of **renewable energy and improvement of energy efficiency** (as far as not covered by specific calls for proposals under the Clean Energy Transition sub-programme)

- ✓ **RePowerEU** - Production of biogas and biomethane from waste and residue streams

The **development of land and sea management practices** which have an impact on emissions and removals of emissions, conservation and enhancement of natural carbon sinks

- ✓ Practices that enhance carbon removals in soils and biomass
- ✓ Practices that protect existing carbon stocks in soils and biomass (e.g. peatland restoration).
- ✓ Use of harvested biomass in long-lasting products to ensure long-term carbon storage
- ✓ Promote a **carbon farming** approach



Climate Change Mitigation

F-Gases



LIFE18 CCM/IT/001106 - LIFE ICEGREEN

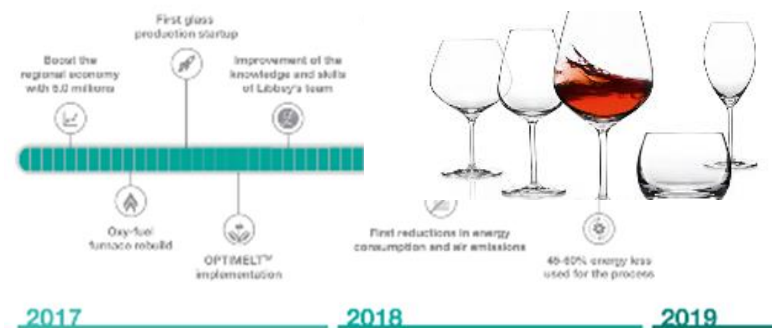


LIFE18 CCM/FR/001096 - LIFE GRID



LIFE18 CCM/PL/001100 - Refrigerants LIFE Cycle

Energy Intensive Industries



LIFE15 CCM/NL/000121 - OPTIMELT



LIFE15 CCM/IT/000104 - ECONOMICK



Climate Change Mitigation

Land and sea management practices



LIFE20 CCM/DE/001802 - LIFE MULTI PEAT



2023 Call: Scope and areas of intervention for **Climate Change Adaptation**

Scope and areas of intervention

Adaptation policy development, and adaptation strategies and plans

- ✓ should help **national, regional and local authorities** to further develop and improve effective and science-based adaptation policies and strategies;
- ✓ support to the implementation of the national adaptation policies and the revision of **national or regional adaptation strategies and plans**;
- ✓ **synergies with other funding programmes**, and cooperation and networking opportunities under the Common Agricultural Policy.

State-of-the art tools and solutions for adaptation

Tool to improve, promote, implement and upscale during project implementation:

- ✓ use of **state-of-the-art tools and solutions for adaptation modelling, risk assessment, management and decision support; adaptation monitoring, reporting and evaluation**;
- ✓ ex-ante project assessment tools (identify co-benefits, positive impacts on the economy).



2023 Call: Scope and areas of intervention for **Climate Change Adaptation**

Scope and areas of intervention

Nature-based solutions in the management of land, forests, coasts and marine areas

- ✓ to develop and implement the necessary assessments, **guidance, capacity building, and suitable financial approaches**;
- ✓ **quantify the benefits of implemented nature-based solutions** and better communicate them to **decision-makers to ensure uptake**;
- ✓ **leverage more investments in nature-based solutions** to generate gains for adaptation, mitigation, disaster risk reduction, biodiversity, and health.

Adapting cities and regions to climate change

- ✓ enhance **resilience in a just and fair way**, so that the costs and benefits of climate adaptation are widely and equitably shared;
- ✓ support the **local uptake of data, digital and smart solutions related to climate adaptation** building on EU-initiatives and instruments (e. g. EU Missions, Climate-ADAPT);
- ✓ support **education, training and reskilling initiatives**.



2023 Call: Scope and areas of intervention for **Climate Change Adaptation**

Scope and areas of intervention

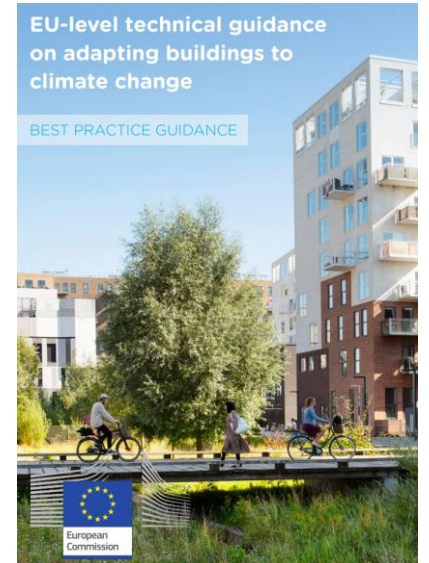
Climate-proofing and resilience of infrastructure and buildings

- ✓ pilot, roll out and promote solutions to **climate-proofing and enhancing the resilience of buildings and infrastructures**;
- ✓ synergies with broader work on **disaster risk prevention and reduction**;
- ✓ **integration of climate resilience considerations in the construction and renovation of buildings and infrastructure**;
- ✓ integration of **climate risks into the assessment of the climate resilience**, under the current and future climate conditions, of the **existing built environment**.

➡ EU-level technical guidance on adapting buildings to climate change (incl. best practices)

EU-level technical guidance
on adapting buildings to
climate change

BEST PRACTICE GUIDANCE



2023 Call: Scope and areas of intervention for **Climate Change Adaptation**

Scope and areas of intervention

Adaptation solutions for **farmers, forest managers, Natura 2000 managers and other land managers**

- ✓ encourage and implement **adaptive, resilience-enhancing and climate risk- reducing afforestation, reforestation, forest restoration** and forest management systems;
- ✓ encourage the **better use of genetic diversity and non-harmful, more climate resilient plants**;
- ✓ speed-up **uptake of climate resilience decision support** systems and technical advice;
- ✓ promote the transition to water-saving technologies and practices in agriculture.

Water management

- ✓ ensure **climate-resilient, sustainable use and management of water across sectors and borders**;
- ✓ reduce water use by raising the **water-saving performance** of products, encouraging water efficiency and savings, and by promoting the **wider use of drought management** etc;
- ✓ guarantee a **stable and secure supply of drinking water considering climate risks**.



2023 Call: Scope and areas of intervention for **Climate Change Adaptation**

Scope and areas of intervention

Preparedness for **extreme weather events**

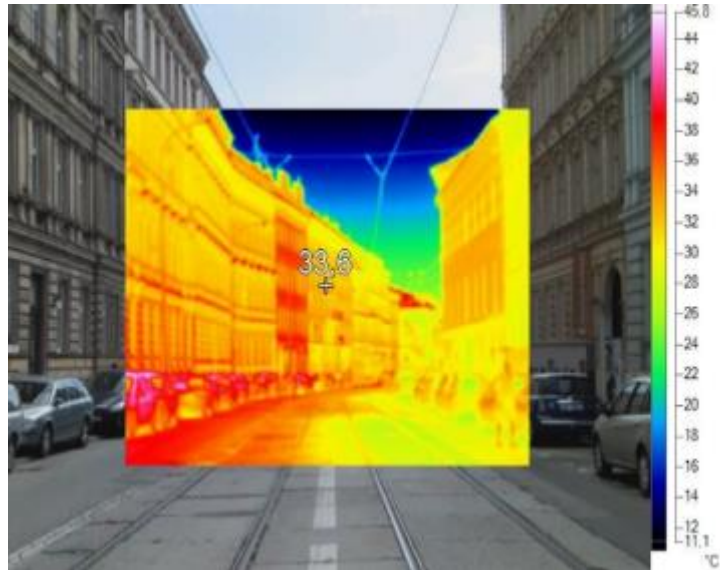
- ✓ support **preparedness for extreme weather events and their multiple risks** and cascading effects, which foster 'no regret' adaptation solutions with multiple co-benefits

Financial instruments, innovative solutions and public-private collaboration on insurance and loss data

- ✓ identify and implement best practices in **financial instruments for risk management**;
- ✓ promote and **increase natural disaster insurance penetration**;
- ✓ **strengthen dialogue between insurers, policymakers, local and regional authorities etc**;
- ✓ develop and promote innovative solutions to improve **natural disaster insurance accessibility**.



Climate Change Adaptation



Urban Heat Island

LIFE HEROTILE



High Energy savings in building cooling by ROof TILES shape optimization toward a better above sheathing ventilation

Reference: LIFE14 CCA/IT/000939

Climate Change Adaptation



Forest fires and dieback



LIFE VAIA



Valuing Afforestation of damaged woods with Innovative Agroforestry

LIFE20 CCA/IT/001630

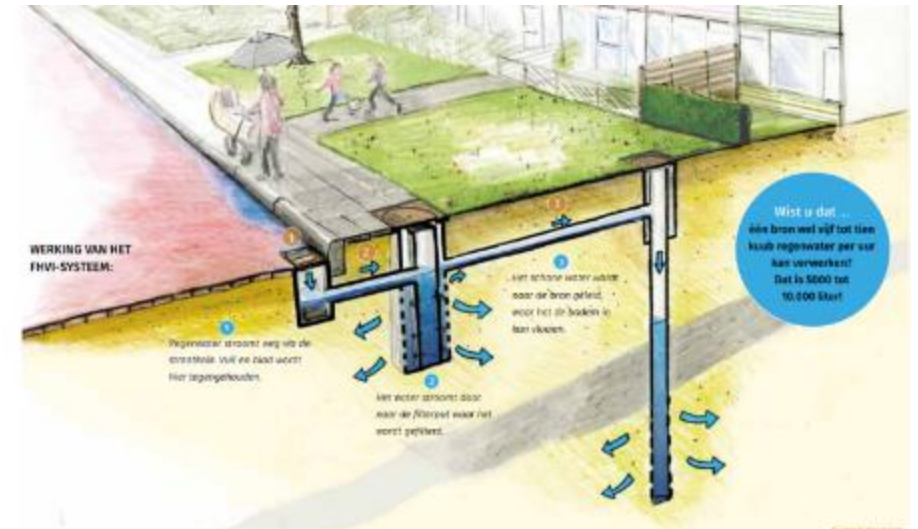


Climate Change Adaptation



Floods and heavy rains

LIFE AERFIT



**Adaptation to extreme rainfall;
demonstration of Fast High
Volume Infiltration (FHV) to
prevent damage by urban
pluvial flooding**

Reference: LIFE15 CCA/NL/000052



2023 Call: Scope and areas of intervention for Climate Governance and Information

Scope and areas of intervention	
Support to the operation of the European Climate Pact	Implementation/further development of national 2030 climate and energy strategies plans and/or long-term strategies
Incentivising behavioural change , mainstream emission reduction and resource and energy efficiency actions	Development and implementation of greenhouse gas accounting and climate change mitigation in the land use sector
Awareness-raising activities addressing adaptation and mitigation needs	Assessment of the functioning of the EU ETS
Activities linked to the development and implementation of the Sustainable Finance actions	Building capacity, raising awareness among end-users and the equipment distribution chain of fluorinated greenhouse gases
Greenhouse gas emission monitoring and reporting	Climate policy monitoring, assessment and ex-post evaluation



Climate Governance and Information

EU CLIMATE PACT

LIFE16 GIC/IT/000038 SU-EATABLE LIFE



Awareness/Governance adaptation

LIFE16 GIC/FR/000099-NATURE 4 CITY LIFE



EU ETS

LIFE18 GIC/IT/001129-LIFE DICET

LIFE21-GIC-IT-LIFE COASE

LIFE19 GIC/PL/001205- LIFE VIEW
2050



Tips

- GOV: awareness raising to be coupled with governance related activities
- Tools developed to be used in policy making/implementation during project
- NBS: actions appropriate to increase resilience of the areas in different climate scenarios
- Financial support to third parties ('cascade granting') – no discretion in assigning financial support → activities to be funded, conditions for selection, type/amounts of financial support to be clarified (see instructions in the call fiche and application form template)



LIFE-2023-SAP-CLIMA call

- Publication: **18th April 2023**
- Deadline: **21st September 2023**
- **Maximum 60% funding rate.**
- **The indicative available call budget is EUR 66,350,000**

Topic	Topic budget	Indicative range of project budgets	Estimated number of projects to be funded
LIFE-2023-SAP-CLIMA-CCM Climate Change Mitigation	EUR 30,000,000	EUR 1-5 Mln	14 projects
LIFE-2023-SAP-CLIMA-CCA Climate Change Adaptation	EUR 30,000,000	EUR 1-5 Mln	14 projects
LIFE-2023-SAP-CLIMA-GOV Climate Governance and Information	EUR 6,350,000	EUR 0.7-2 Mln	5 projects



Keep in touch with us



30 years of bringing green ideas to LIFE



https://cinea.ec.europa.eu/life_en



[LIFE Programme](#)



[@LIFEprogramme](#)
[@CleanEnergy_EU](#)



[LIFE Programme](#)



[LIFE Programme](#)



[@LIFEprogramm](#)
[e](#)



[LIFE Newsletter](#)
[Clean Energy Newsletter](#)