



Cambiamento climatico transizione ecologica e sviluppo sostenibile

Per un'Europa resiliente

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27 June 2022

Climate change

- Impact are already here...
- ...affecting every region in the Europe.
- And even in a best case scenario, these impacts are ‘baked in’



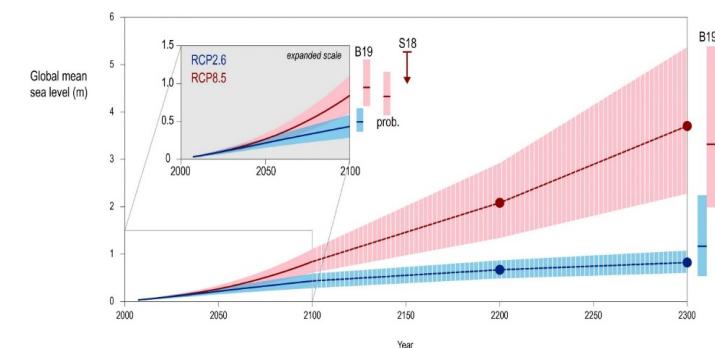
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© picture: WRI



© picture: WRI



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Policy context

- The 2030 Agenda for Sustainable Development
- the Paris Agreement
- The European **Green Deal**:
 - European Climate Law,
 - European Climate Pact
 - EU Adaptation strategy
 - Renewed **sustainable finance** strategy
 - ... and more!
 - 2030 Climate Target Plan
 - EU Biodiversity strategy
 - Farm to fork strategy



A new EU strategy on climate adaptation

“Forging a climate-resilient Europe - The new EU strategy on adaptation to climate change”

Adopted by European Commission on 24 February 2021

- Evaluation of the first strategy (2018)
- Blueprint, open public consultation, and expert reviews (2020)



Vision & Objectives

- Vision: by 2050 the EU will be a climate-resilient society, fully adapted to the unavoidable impacts of climate change
- Objectives:
 - **Smarter adaptation** – improving knowledge and managing uncertainty
 - **More systemic adaptation** – support policy development at all levels and sectors
 - **Faster adaptation** – speeding up adaptation across the board
 - **Stepping up international action** for climate resilience



© picture: Peter Löffler

Smarter adaptation

improving knowledge and managing uncertainty, by

- Pushing the frontiers of **knowledge** on adaptation
- More and better climate-related **risk and losses data**
- Making **Climate-ADAPT** the authoritative European platform for adaptation knowledge



© picture: NOAA

More systemic adaptation

support policy development at all levels and sectors, by:

- Improving **adaptation strategies and plans**
- Fostering **local, individual, and just resilience**
- Integrating climate resilience in **macro-fiscal policy**
- Promoting **nature-based solutions** for adaptation



Faster adaptation

speeding up adaptation across the board, by:

- Accelerating **the rollout** of adaptation solutions
- Reducing **climate-related risk**
- Closing the **climate protection gap**
- Ensuring the **availability and sustainability of freshwater**



© picture: Peter Löffler

Stepping up international action

For climate resilience, by:

- Increasing support for **international climate resilience and preparedness**
- Scaling up **international finance** to build climate resilience
- Strengthen **global engagement and exchanges** on adaptation



© picture: Peter Löffler

Engagement of EU

- Based on subsidiarity and local nature of adaptation
- Support MS, subnational authorities, business & individuals
- Financially, with knowledge & tools
- Invitation to work together



© picture: Peter Löffler

Urban adaptation: “Policy Support Facility”

to support local authorities to move from planning to action

Only 1/3 of CoM signatories committed to adaptation plans

Technical assistance improving the in-house capacity of CoM cities

Accelerate action on the ground - integrated solutions, exchanging with peers, sharing good practices

“no one is left behind” support will be targeted to small and medium-sized cities with lower capacity

EU-wide component, open to all EU MS

PSF was launched during the Ceremony of the CoM on 7 October 2021, with a dedicated workshop.

More info: <https://eumayors.eu/support/adaptation-resources.html>



The Programmes

EUROPEAN CLIMATE,
INFRASTRUCTURE AND
ENVIRONMENT
EXECUTIVE AGENCY



EUROPEAN MARITIME
FISHERIES
AND AQUACULTURE FUND

CONNECTING EUROPE
FACILITY 2
Transport and Energy

RENEWABLE ENERGY
FINANCING MECHANISM

JUST TRANSITION
MECHANISM
*Public Sector Loan
Facility pillar*

HORIZON EUROPE
Climate, Energy and Mobility

LIFE PROGRAMME

INNOVATION FUND



LIFE - l'unico strumento UE dedicato alla protezione dell'ambiente e del clima



- **Dal 1992:** piú di 5000 progetti
 - Natura e biodiversità'
 - Ambiente
 - Cambiamento climatico

- **Dal 2021 anche**
 - Energia

- **Budget:**
5,4 Miliardi di euro 2021-2027

Struttura



Contribuire:

- al passaggio a un'economia sostenibile, circolare, efficiente in termini di energia, basata sulle energie rinnovabili, climaticamente neutra e resiliente ai cambiamenti climatici
- alla tutela, ripristino e miglioramento della qualità dell'ambiente, compresi l'aria, l'acqua e il suolo
- a interrompere e invertire il processo di perdita della biodiversità, nonché a contrastare il degrado degli ecosistemi





Che tipo di progetti finanzia LIFE?

- a) progetti di azione standard;*
- b) progetti strategici integrati*
- c) progetti di assistenza tecnica;*
- d) Sovvenzioni di funzionamento a favore di ONG*

Progetti di azione standard

- **Progetti di buone pratiche:** applicano tecniche, metodi e approcci già riconosciuti come adeguati
- **Progetti pilota:** applicano una tecnica o un metodo non applicato né sperimentato prima
- **Progetti dimostrativi:** sperimentano azioni, metodologie o approcci che sono nuovi o sconosciuti nel contesto del progetto
- **Progetti d'informazione, sensibilizzazione e divulgazione:** volti a sostenere la comunicazione, la divulgazione di informazioni e la sensibilizzazione

Attenzione: LIFE NON FINANZIA RICERCA!!!

Progetti di azione standard

Per chi?

- Essenzialmente per soggetti giuridici pubblici or privati con sede legale nell'Unione Europea

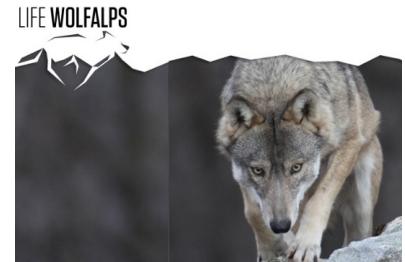
Per fare cosa?

- Migliorare l'attuazione delle politiche ambientali, di cambiamento climatico ed efficienza energetica

Durata? Budget del progetto?

- Max 10 anni. Non c'è un budget minimo o massimo.
- Qual'è il tasso di co-finanziamento dell'Unione Europea?
- Max. 60% del budget del progetto, con due eccezioni (per progetti NAT/BIO):
 - 67% per progetti che mirano a conservare habitat e specie prioritari e non
 - 75% per progetti che mirano a conservare esclusivamente habitat e specie prioritari

Sub-programme Nature and Biodiversity



LIFE WOLFALPS (2013 – 2018)

Total Budget: 6,100,454 €

EU Contribution: 4,174,309 €

<http://ex.lifewolfalps.eu>

<https://www.lifewolfalps.eu>

Coordinated conservation actions in the Alpine regions of France, Italy and Slovenia. Minimising conflict with people has helped increase the number of wolf packs and the species' range.

Video: [LIFE Awards 2019 | Nature & Biodiversity: LIFE WOLFALPS - YouTube](#)



Sub-programme Circular Economy and Quality of life

i-REXFO LIFE (2017-2022)

<https://www.irexfo.eu>

Total Budget: 2,324,915 €

EU Contribution: 1,279,098 €



Focus on food waste produced by the food industry and farms, large-scale distribution, the catering industry and consumers. It does so through measures that reduce food waste and increase waste-to-energy valorisation.

Developed open-source software to plan and optimise the integrated model from a technical, economic, and environmental point of view.

- Reduction of 3 470 tonnes of food waste
- Involvement of nearly 130 000 consumers in awareness raising actions
- Decreased water consumption due to waste food avoidance of 480 000 m³ per year
- Production of 2 840 MWh/y of renewable energy by developing new management system for expired food





- LIFE15 GIE/IT/000999 – CleanSea LIFE (information and awareness raising campaign and concrete actions to decrease marine litter)
<https://twitter.com/Radio1Rai/status/1269569792803037187>

Sub-programme Climate Mitigation and Adaptation



LIFE Re Mida (2016-2018) <http://www.liferemida.it>

Total Budget: 855,612 €

EU Contribution: 513,366 €

The project tested an innovative technique using microbial oxidation to reduce methane emissions in landfills.

Key achievements include:

60-80% reduction of methane emissions using biofilters and 70-98% methane reduction using biowindows.

The solution is significantly low cost compared to Business as Usual practices.

The solution tested abate odorous compounds.

→ Contribution to improving the national Law on Landfills

→ Contribution to the new EU Methane strategy released in 2020





*Looking for an eco-sustainable sheep supply chain:
environmental benefits and implications*

LIFE15 CCM/IT/000123 LIFE SheepToShip <http://www.sheeptoship.eu>

Obbiettivi: - 20% di CO2 nel settore ovino da latte mantenendo la produzione inalterata
favorire determinate politiche agro-ambientali
aumentare la conoscenza e consapevolezza della opinione pubblica

Azioni: interventi mirati →

Risultati: tutti gli obbiettivi sono stati raggiunti
- 20% di CO2 compreso



→ «Piano di Azione Ambientale»





<https://www.lifefranca.eu>

<https://www.youtube.com/watch?v=tZxQGr67QIM>



**LIFE
FRANCA**
anticipiamo le alluvioni



LIFE DIADEME



<https://www.youtube.com/watch?v=KgJRfMN1lqE>

LIFE & close-to-market (C2M)

LIFE finances
green
innovation and
clean tech
solutions since
1992.

If you are **economically**
successful, we will
sustain long-term
environmental impacts

We assist projects
with promising market
potential to accelerate

- **market uptake**
- **commercialization**
and
- **upscaling**
of their solutions



LIFE & close-to-market (C2M)

LIFE HEROTILE (2015 – 2019)

Total Budget: 2,476,157 €

EU Contribution: 1,442,784 €

<https://www.lifeherotile.eu>

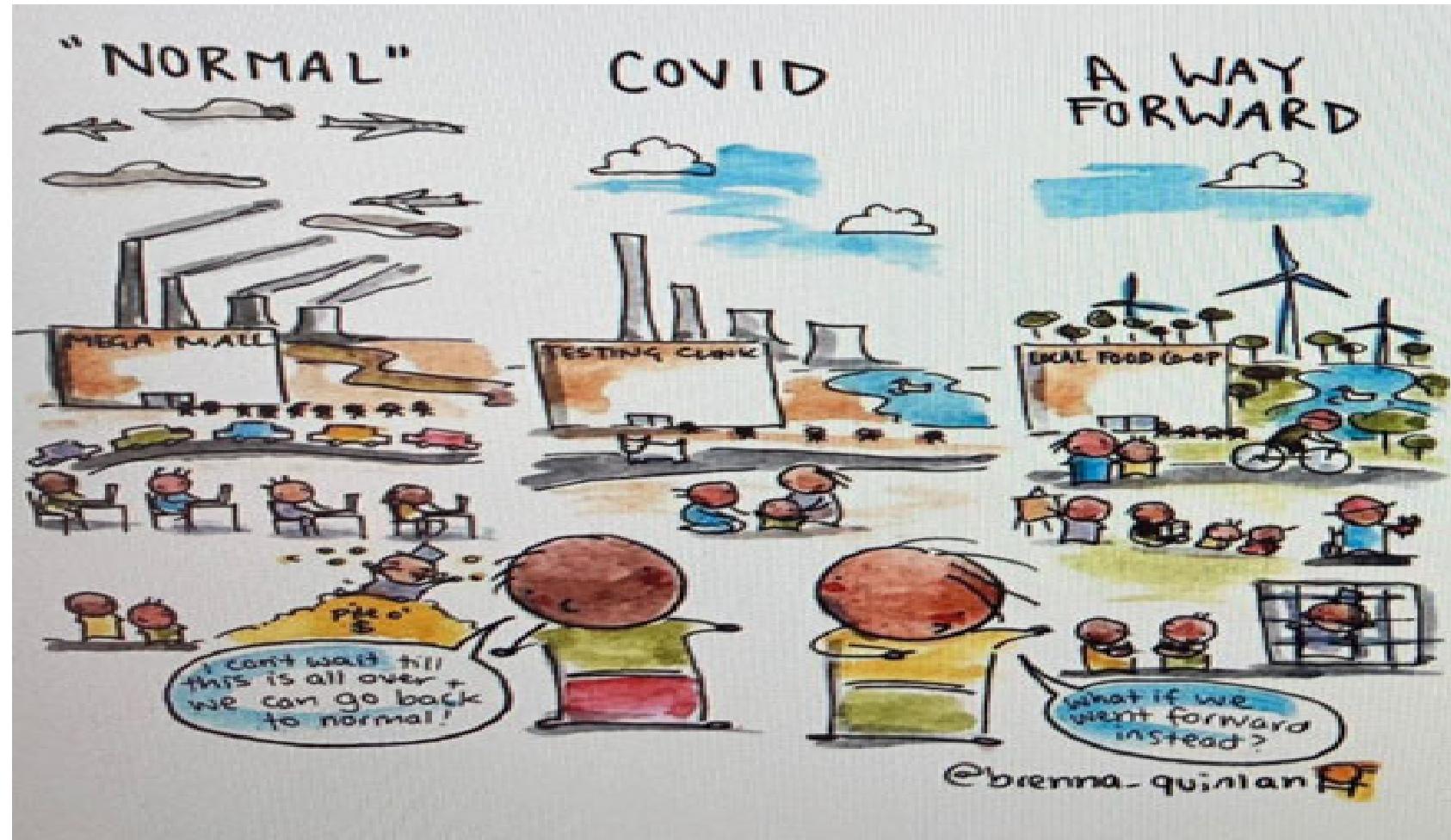


To enhance the Energy habit of buildings, through the development of two new brick tiles, able to increase ventilation.

- save up to 50% of energy use in cooling mode
- - 40% CO₂ during production stage
- - 30% air pollution
- - 25% maximum under-tile air temperature

The tiles were introduced into the market soon after the project ended.





Thank you



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