



Technical Assistance for Turkey in Horizon 2020 Phase-II
EuropeAid/139098/IH/SER/TR

Turkey in Horizon 2020 II

Information Multipliers Training (Webinar) –Horizon 2020 Green Deal Call

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Training Coordinator







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Training Coordinator in "Turkey in Horizon 2020 – Phase II" project



Managing multi-national and cross-sectoral consortia, writing proposals for EU funding and coordinating large-scale projects that promote tech-enabled entrepreneurship in various sectors such as agrifood, ICT, environment, health, manufacturing, entrepreneurship etc.

Training, coaching, mentoring and supporting researchers and innovators on issues related to proposal writing for EU funding opportunities, project management of EU funded projects, IPR management and entrepreneurship, in countries such as Greece, Serbia, Lithuania, Bulgaria, Turkey, Tunisia, Poland etc

17yrs

Experience in EU projects



1st position in Serbia in attracting H2020 funds

100+ m€

Total value of projects managed







PROJECTS (INDICATIVE)





























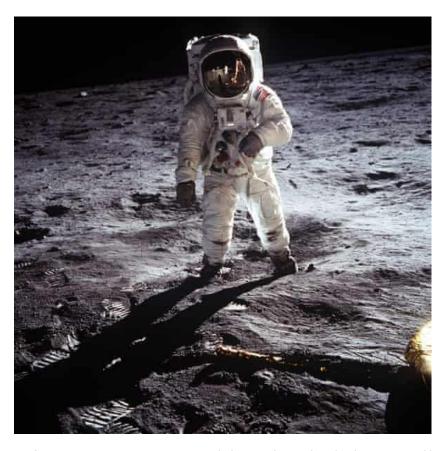




POLICY CONTEXT: BACKGROUND



"We choose to go to the Moon", John F. Kennedy, September 12, 1962.



Neil Armstrong Buzz Aldrin landed the Apollo Lunar Module Eagle on the moon, on July 20, 1969







POLICY CONTEXT: BACKGROUND

The EU will be climate neutral by 2050.









WHAT IS THE EUROPEAN GREEN DEAL?

The European Green Deal is about **improving the well-being of people**. Making Europe climate-neutral and protecting our natural habitat will be good for people, planet and economy. No one will be left behind.

The EU will:



Become climate-neutral by 2050



Protect human life, animals and plants, by cutting pollution



Help companies become world leaders in clean products and technologies



Help ensure a just and inclusive transition





WHAT IS THE EUROPEAN GREEN DEAL?

"The European Green Deal is our new growth strategy. It will help us cut emissions while creating jobs."



Ursula von der Leyen, President of the European Commission



"We propose a green and inclusive transition to help improve people's well-being and secure a healthy planet for generations to come."

Frans Timmermans, Executive Vice-President of the European Commission



93% of Europeans see climate change as a serious problem



93% of Europeans have **taken** at least one **action** to tackle climate change



79% agree that taking action on climate change will lead to innovation



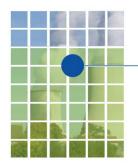




EUROPEAN GREEN DEAL IN DIFFERENT SECTORS OF ECONOMY

ENERGY

Decarbonise the energy sector



The production and use of energy account for more than

75% of the EU's greenhouse gas emissions

BUILDINGS

Renovate buildings, to help people cut their energy bills and energy use



40% of our energy consumption is by buildings

INDUSTRY

Support industry to innovate and to become global leaders in the green economy



European industry only uses **12%** recycled materials

MOBILITY

Roll out cleaner, cheaper and healthier forms of private and public transport



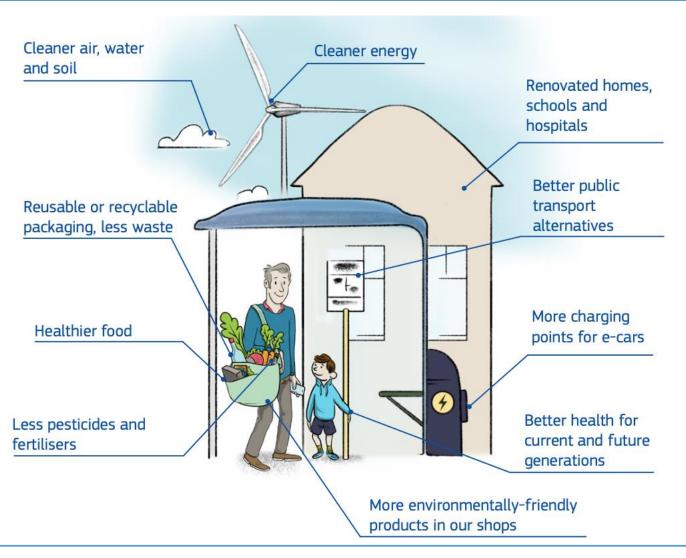
Transport represents **25%** of our emissions







EUROPEAN GREEN DEAL FOR CITIZENS









WHAT IF WE DO NOT ACT?

Without action on climate change, the EU will see, in the lifetime of our children:



Pollution

> Source: European Environment Agency, Air quality in Europe - 2019 report



Heat and drought

♠ 90,000 annual deaths as a result of heatwayes¹ ▲ 660,000

additional asylum

applications per year in
the EU at 5°C temperature
increase²

↑ 16%

of species at risk

of extinction at 4.3°C

temperature increase³









WHAT IF WE DO NOT ACT?



Water and flooding

40%
less available water
in southern regions
of the European Union

▲ 2.2 million

people exposed to

coastal inundation

each year

Source: European Commission's Joint Research Centre, PESETA IV, in press

▲ Half a million people exposed to river flooding each year









WHAT IF WE DO NOT ACT?



Economics

▲ €190 billion

annual losses projected for a 3°C increase in global average temperature

Source: Ciscar et al., 2014: Climate impacts in Europe, the European Commission's Joint Research Centre PESETA II project Globally, the number of people at risk of being forced from their homes by river flooding could increase to **50 million** a year

Source: Internal Displacement Monitoring Centre, Assessing the impacts of climate change on flood displacement risk, 2019

Climate change could lead to a 20% food price rise in 2050

♠ Economic costs of heat-related mortality could amount to more than €40 billion per year

Source: COACCH, The economic cost of climate change in Europe, 2018

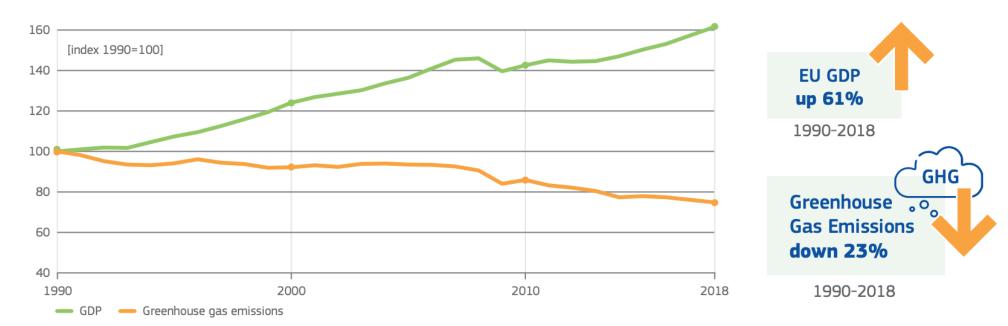






EU TRACK RECORD ON CLIMATE ACTION

Between 1990 and 2018, greenhouse gas emissions **decreased by 23%**, while the economy **grew by 61%**.

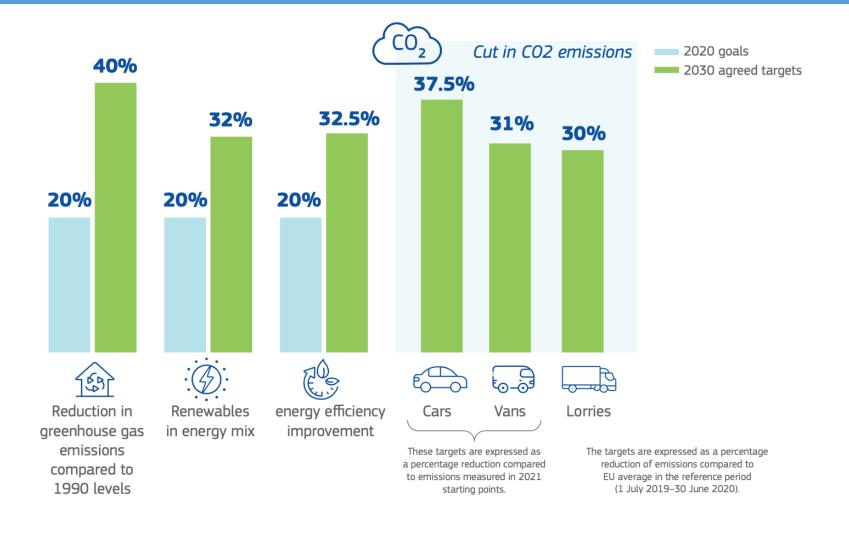








TARGETS FOR 2030 (PARIS AGREEMENT)









GLOBAL DIMENSIONS OF EUROPEAN GREEN DEAL

The EU is committed to:



- **Leading by example**, through the European Green Deal.
- Using **diplomacy, trade and development cooperation** to advance climate action.
- Setting **standards for sustainable growth** across global value chains.





GLOBAL DIMENSIONS OF EUROPEAN GREEN DEAL

The EU will:

Work with Africa to bring climate and environment issues to the centre of our relations.



Engage with G20 countries who are responsible for 80% of global greenhouse gas emissions.



Following the Poznan Summit, set up a Green Agenda for the **Western Balkans**, mirroring the Green Deal.



Establish environment, energy and climate partnerships with the **Eastern Partnership** and **Southern Neighbourhood**.



Build Green Alliances with partner countries and regions in Latin America, the Caribbean, Asia and the Pacific.

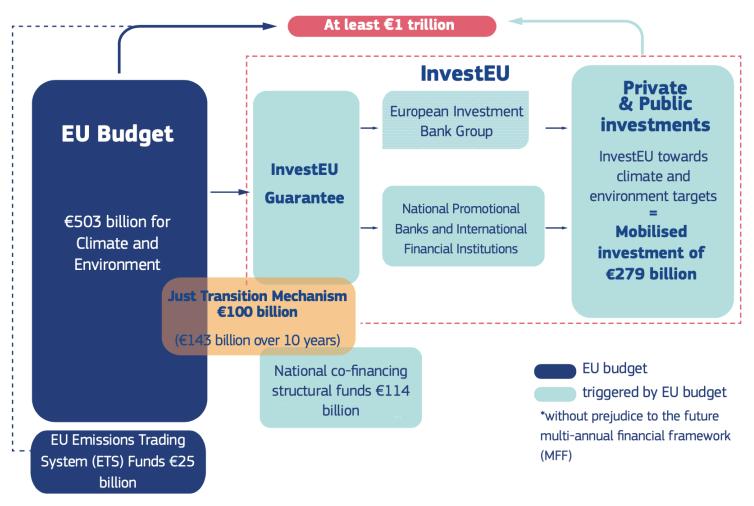








WHERE WILL THE MONEY COME FROM?



*The numbers shown here are net of any overlaps between climate, environmental and Just Transition Mechanism objectives.







THE EUROPEAN CLIMATE LAW

The European Climate Law will **transform political promises into a binding legal obligation**, and send a strong political signal to our partners and business. It will write our climate neutrality target for 2050 into law, and propose the path to get there. It will give European citizens and businesses the predictability, transparency and accountability which they need for this collective transformation.

More details in the link:

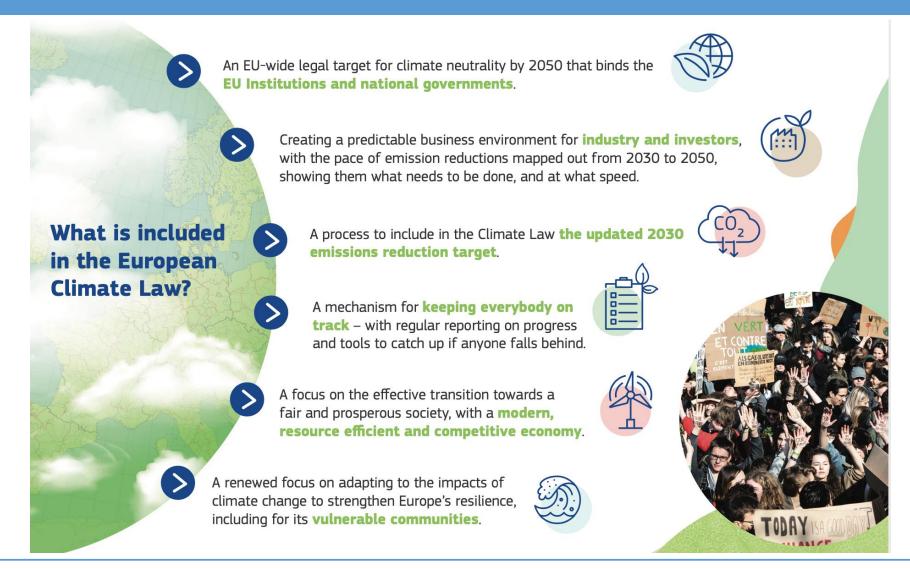
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THE EUROPEAN CLIMATE LAW









GREEN DEAL HORIZON 2020 CALL

The European Green Deal Commission **Transforming the** EU's economy for a A zero pollution ambition Increasing the EU's Climate ambition sustainable future for a toxic-free environment for 2030 and 2050 Preserving and restoring ecosystems Supplying clean, affordable The and biodiversity and secure energy European From 'Farm to Fork': a fair, healthy Green **Mobilising industry** and environmentally friendly food Deal for a clean and circular economy system Building and renovating in an energy Accelerating the shift to sustainable **And leaving** and resource efficient way and smart mobility no one behind Our European Growth Strategy Designing a set of U. v.d. Leyen deeply transformative policies The EU as a **A European** global leader **Climate Pact**







European

GREEN DEAL HORIZON 2020 CALL - OVERVIEW

- The structure of the **Green Deal Call (GDC) reflects the eight key** European Green Deal (EGD) work streams and is
 complemented by **two horizontal areas** (strengthening
 knowledge and empowering citizens), which cut across the
 eight areas and offer a longer-term perspective in support of
 the transformations required by the EGD.
- To increase impact and visibility, proposed actions are limited in number, with a strong focus on impact, supporting primarily (but not exclusively) Innovation and Demonstration actions.
 Research Actions and Coordination and Support Actions will also be included in the call







GREEN DEAL HORIZON 2020 CALL - AREAS

MAIN PART OF THE CALL FOCUSSING ON INNOVATIVE SOLUTIONS AND DEMONSTRATIONS Area 1: Area 3: Area 4: Area 2: Area 8: Area 7: Area 5: Increasing Clean. Industry for Energy and Area 6: Zero-Sustainable **Ecosystems** Climate affordable a clean and resource Farm to pollution. and smart and Ambition: and secure circular efficient Fork toxic free mobility **Biodiversity** Cross buildings environment economy energy sectoral challenges Area 9: Strengthening our knowledge in support of the European Green Deal Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe





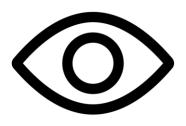


GREEN DEAL HORIZON 2020 CALL – HOW IT IS DIFFERENT?

• It aims to:



produce tangible results



visible to the citizens



in a relatively short time frame





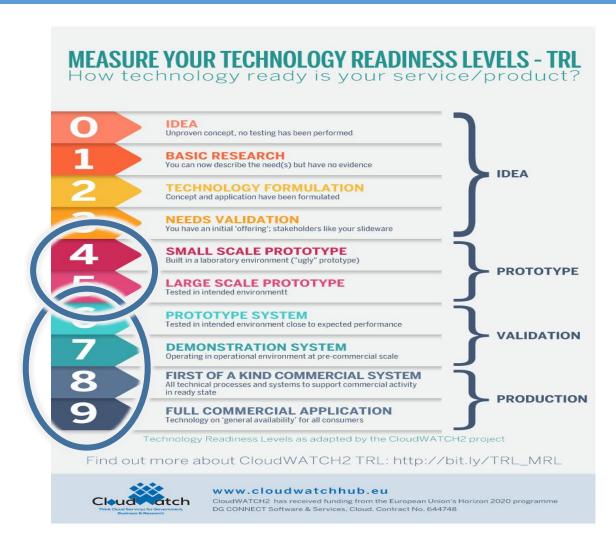


GREEN DEAL HORIZON 2020 CALL – TRLs?

Some topics: RIA

Majority of topics: IA

+2 CSA









HORIZON 2020 GREEN DEAL CALL (GDC) - IMPORTANT DATES

31 18th September 2020: GDC launch

31 20-22 September 2020: R&I Days on-

line event **Networking opportunity**

31 26 January 2021: GDC deadline

31 Autumn 2021: GDC projects start







UK PARTICIPATION IN H2020 GREEN DEAL CALL



European Commission:

The Withdrawal Agreement, as agreed between the European Union and the United Kingdom, entered into force on 1 February 2020. In overall terms, on the basis of the Withdrawal Agreement, the UK-based legal entities will continue to be fully eligible to participate and receive funding in the current 2014-2020 EU programmes, including Horizon 2020, as if the UK were a member state until the closure of these programmes, unless security considerations apply. This means that UK beneficiaries can continue – without interruption – to receive grants awarded under the current and previous multiannual financial frameworks (MFFs) until their end dates, even if these are after 2020

For any questions around this, or for help identifying possible UK partners, please contact Stephen Alexander, the UK National Contact Point for Legal and Financial matters stephen.alexander@innovateuk.ukri.org







GREEN DEAL HORIZON 2020 CALL - DISCLAIMER



Disclaimer: these slides complement the information of the working document on the Green Deal call. They aim only to support a preparatory networking exercise. They do not present the Green Deal call to be part of the Horizon 2020 work programme update, nor any future position of the European Commission. Participants are strongly encouraged to rely only on the official Call documents that will be published by EC while preparing their proposals.















LC-GD-1-1-2020: Preventing and fighting extreme wildfires with the integration and demonstration of innovative means

Specific Challenge:

- reduce the incidence and extent of forest fires
- to boost the EU's ability to predict and manage environmental disasters

Scope:

- research, demonstration and deployment of innovative means and methods tailored to extreme wildfire behaviour
- proactive governance, change of forest management practices

Subtopic 1 (Innovation Actions): Speed up the pan-European adaptation process to extreme wildfires by advancing and applying research and innovation, including **demonstration pilot sites**

Total Budget	Budget per project
72 mEUR	15-20 mEUR

Subtopic 2 (Coordination and Support Action): This action aims to ensure that the demonstration of innovative and integrated approaches fulfils the expected impacts, by coordinating and supporting the Innovation Action projects funded under this topic.

1 project	
2 - 3 mEUR	







LC-GD-1-2-2020: Towards Climate-Neutral and Socially Innovative Cities

Specific Challenge:

 achieving significant progress towards climate neutrality at a large (European) scale by fostering climateneutrality and social innovation in cities

Scope:

 to develop a one-stop shop platform providing the necessary technical, regulatory, financial and socioeconomic expertise as well as assistance to cities for developing and implementing their climate action plans, and related social innovation action plans.

The proposal should address <u>all</u> of the following four activities:

Activity 1: Climate action plans and Green Deal innovation

Activity 2: Investment project preparation and finance:

Activity 3: Social innovation and citizens' engagement:

Activity 4: Research and Innovation for climate-neutral

transformation of cities

1 project

53 mEUR*

*at least 60% should be allocated to activities covered under Activity 4 for the financial support to third parties (0.5 mEUR - 1.5 mEUR)







LC-GD-1-3-2020: Climate-resilient Innovation Packages for EU regions

Specific Challenge:

 to scale up and demonstrate at large scale systemic solutions to trigger behavioural change and new ways of decision-making, while accounting for local and regional contexts.

Scope:

 test, evaluate and scale-up a range of adaptation solutions with the aim to trigger societal transformations among key community systems that are central to resilience building and sustainable growth.

Subtopic 1 (Innovation Actions): Innovation Packages for transformational adaptation of European regions and communities.

Total Budget	Budget per project
42 mEUR	10-15 mEUR

Subtopic 2: (Coordination and Support Action): Support the design, testing and upscale of Innovation Packages

1 project
3 mEUR















LC-GD-2-1-2020: Innovative land-based and offshore renewable energy technologies and their integration into the energy system

Specific Challenges:

- the development of land-based renewable energy technologies and their integration into the energy system
- demonstration of innovative technologies to enable future large scale deployment of offshore renewable energy

Subtopic 1 (Research and Innovation action):
Development of land-based renewable energy
technologies and their integration into the
energy system

Subtopic 2 (Innovation Action):

Demonstration of innovative technologies to enable future large scale deployment of **offshore renewable energy**

Scope:

- develop innovative solutions for either district heating and/or cooling systems or CHP, combining different highly efficient land-based renewable energy sources.
- demonstrate at sea critical offshore renewable energy innovations

Total Budget	Budget per project
68 mEUR	3-6 mEUR

Total Budget	Budget per project
60 mEUR	20-35 mEUR







LC-GD-2-2-2020: Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and commercial/industrial applications (Innovation Action)

Specific Challenge:

 to develop larger modules than the state of the art, with reduced balance of plant, managing efficiently the input power, the output hydrogen and oxygen streams, as well as the heat flows, while ensuring the reliability of the system and reducing the footprint through a more compact design.

Scope:

 to install and operate a 100 MW electrolyser to produce renewable hydrogen, as energy carrier or as a feedstock.

Total Budget	Budget per project
60 mEUR	25-30 mEUR

♠ Funding rate is reduced to 50%.

- Projects should have a duration of 5 years, with at least 2 years of operation.
- Combination with other EU or national financing instruments will be incentivised, namely the usage of financial instruments to de-risk the operational activity.
- The project has to include a **clear go/no go decision point** ahead of entering the deployment phase (**committee of independent experts** will assess all deliverables and will give advice on the go/no go decision)







LC-GD-2-3-2020: Accelerating the green transition and energy access Partnership with Africa (Innovation Action)

Specific Challenge:

 the adoption of innovative, affordable and efficient renewable energy solutions that will support Africa in achieving sustainable development growth and economic transformation.

The solutions may address:

1. development of renewable energy sources, including solutions for off-grid communities, and their integration into existing energy system, considering the generation of renewable energy, the transmission, and the use of storage/battery systems.

Scope:

 to demonstrate innovative sustainable energy solutions that consider climate adaptation and mitigation potential compared to other technologies/solutions in the African social, economic and environmental contexts

Total Budget	Budget per project
40 mEUR	5-10 mEUR

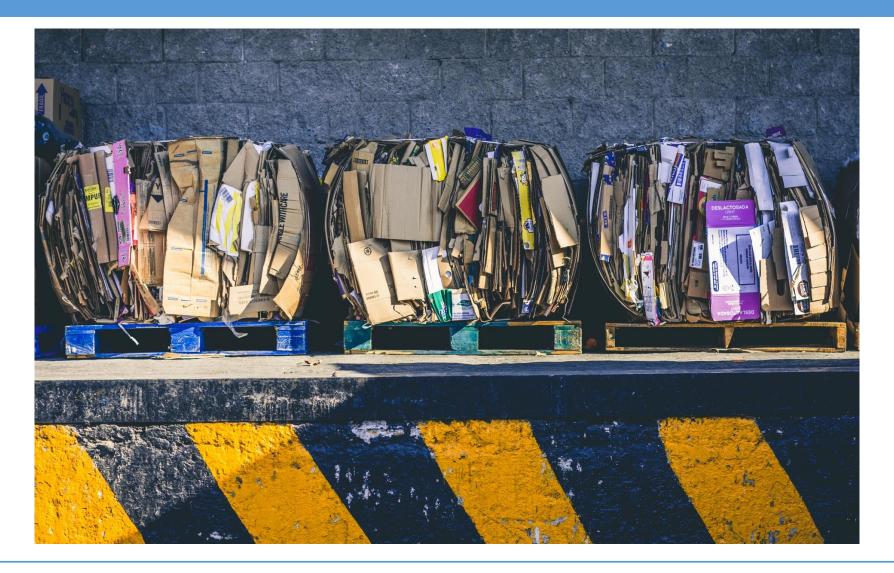
2. energy efficiency







Area 3: Industry for a clean and circular economy









Area 3: Industry for a clean and circular economy

LC-GD-3-1-2020: Closing the industrial carbon cycle to combat climate change - Industrial feasibility of catalytic routes for sustainable alternatives to fossil resources (Innovation Action)

<u>Specific Challenge:</u> **Greening** of industrial and energy production, storage and distribution **by use of CO2 emissions from industrial processes.**

Scope:

- Develop and deploy highly innovative and recyclable catalytic material systems
- 2. Develop innovative, renewable energy driven, catalytic **processes**
- 3. Demonstrate the **full value chain for industrial production** (including SMEs) of synthetic fuels and chemicals, whilst reducing greenhouse gas emissions;
- **4. Address** financial, regulatory, environmental, land and raw material (including critical raw materials) **constraints.**

Total	Budget per
Budget	project
80 mEUR	40 mEUR

■ duration of up to 5 years







Area 3: Industry for a clean and circular economy

LC-GD-3-2-2020: Demonstration of systemic solutions for the territorial deployment of the circular economy (Innovation Action)

<u>Specific Challenge:</u> How to effectively apply the circular economy concept **beyond traditional resource recovery** in waste and water sectors **at the territorial level.**

Scope:

- Proposals funded under this topic will form part of the demonstration projects for the implementation of the European Commission's Circular Cities and Regions Initiative (CCRI).
- Each proposal is expected to implement and demonstrate circular systemic solutions for the territorial deployment of the circular economy in one 'circular territorial cluster'.
 - ✓ systemic solutions implemented should also help to create
 critical mass for public and private investments and public
 procurement pull for new solutions, and should contribute to
 overcoming market failures.
 - ✓ systemic solutions implemented and their business models have a **high replicability and scalability potential**.

https://ec.europa.eu/resea rch/environment/index.cf m?pg=circular.

Total	Budget per
Budget	project
60 mEUR	10-20 mEUR







Area 4: Energy and resource efficient buildings









Area 4: Energy and resource efficient buildings

LC-GD-4-1-2020: Building and renovating in an energy and resource efficient way (Innovation Action) Specific Challenge:

- a transition in designing and constructing buildings to reduce their embodied emissions and to increase the energy efficiency of their operation;
- a transition to energy positive buildings (producing electricity, covering their heating and cooling needs and contributing to the energy grid stability) with sustainable, renewable energy technologies.

Scope:

 Proposals are expected to deliver at least two (residential and non-residential, new and/or retrofitted) large-scale, real-life demonstrations of promising technology, process and social innovations, in different regions of Europe.

Total	Budget per
Budget	project
60 mEUR	10-20 mEUR

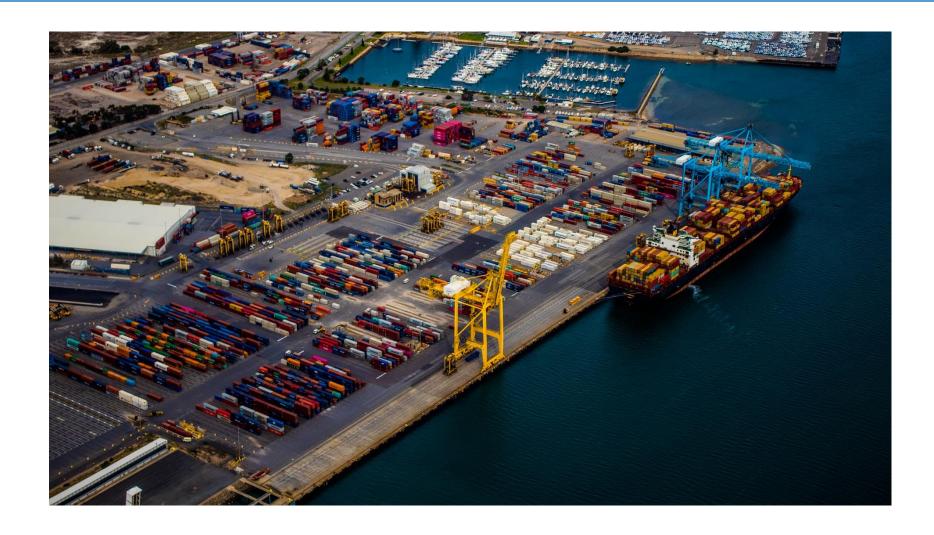
• The objective of the demonstrations is to **test**, **in view of scaling up and wide replication**, the proposed innovations across the whole value chain.







Area 5: Sustainable and smart mobility









Area 5: Sustainable and smart mobility

LC-GD-5-1-2020: Green airports and ports as multimodal hubs for sustainable and smart mobility (Innovation Action)

<u>Specific Challenge:</u> green airports and ports, as multimodal hubs in the post COVID-19 era for sustainable and smart mobility have a great potential to immediately contribute to start driving the **transition towards GHG-neutral aviation, shipping and wider multimodal mobility already by 2025**

Scope:

Building on **best practices** (technological, non-technological and social), as well as **ongoing projects and planned initiatives** in European airports and ports, actions should address the activities

EITHER under area A) Green Airports OR under area B) Green Ports

Each consortium should include a leading "Lighthouse" airport or port, which will demonstrate the novel concepts and solutions and a further three (at most) "Fellow" airports or ports that will be actively associated in helping to define and incorporate their specificities in the more general approach and solutions, follow closely the demonstration actions and are committed to implement the best practices identified and results produced by the project.

Total	Budget per
Budget	project*
100 mEUR	15-25 mEUR

*Max. 20% of the requested EU contribution should be for the Fellow airports or ports







Area 6: Farm to Fork







Area 6: Farm to Fork

LC-GD-6-1-2020: Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy (Innovation Action)

<u>Specific Challenge:</u> to feed a fast-growing world population and steer food systems within a safe and just operating space - encompassing planetary health, economic viability and social welfare, and including human health

Total	Budget per
Budget	project
74 mEUR	6-12 mEUR

<u>Scope</u>: Deployment and scaling up of innovations that contribute to the objectives of the Farm-to-Fork Strategy

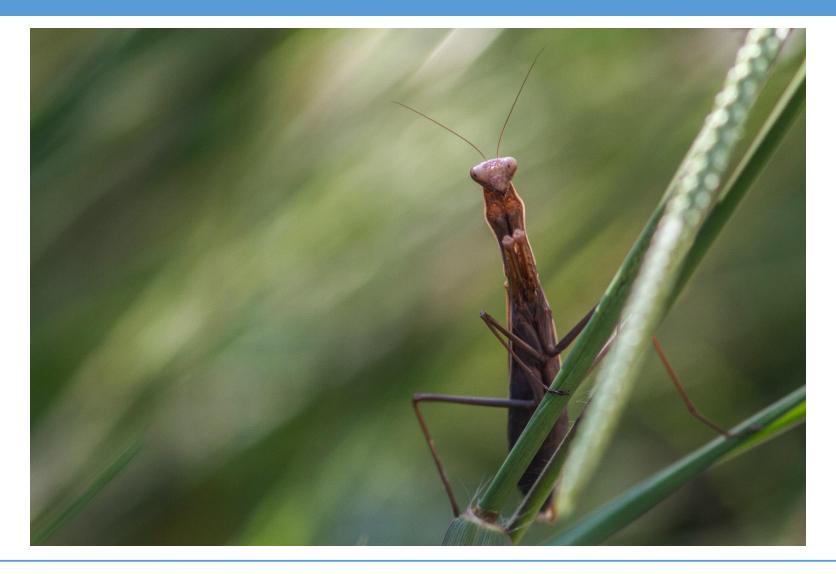
- A. Achieving **climate neutral farms** by reducing GHG emissions and by increasing farm-based carbon sequestration and storage
- B. Achieving **climate neutral food businesses** by mitigating climate change, reducing energy use and increasing energy efficiency in processing, distribution, conservation and preparation of food (IA)
- C. Reducing the dependence on hazardous pesticides; reducing the losses of nutrients from fertilisers, towards zero pollution of water, soil and air and ultimately fertiliser use
- D. Reducing the dependence on the use of antimicrobials in animal production and in aquaculture
- E. Reducing **food losses and waste** at every stage of the food chain including consumption, while also avoiding unsustainable packaging
- F. Shifting to **sustainable healthy diets**, sourced from land, inland water and sea, and **accessible to all EU citizens**, including the most deprived and vulnerable groups







Area 7: Biodiversity and ecosystem services









Area 7: Biodiversity and ecosystem services

LC-GD-7-1-2020: Restoring biodiversity and ecosystem services (Innovation Action)

Specific Challenge: to show how investing in nature restoration can explicitly help vulnerable regions and communities to improve their resilience to social and environmental shocks, when rapid changes in climate and environment, economies and social conditions occur.

Total	Budget per
Budget	project
80 mEUR	16-25 mEUR

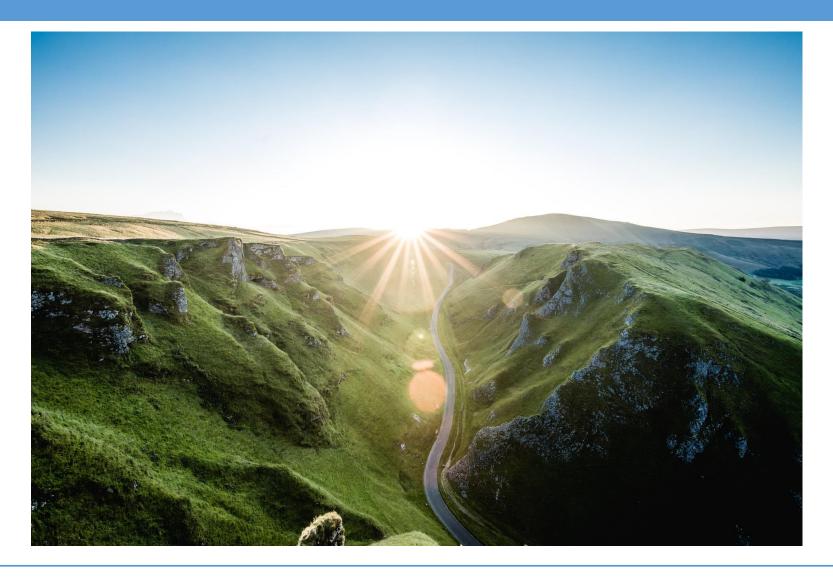
- Actions should demonstrate how restoration (in biodiversity richness and abundance, structure, function and connectivity) of ecosystems and their services can be scaled up, in collaboration with stakeholders, so that opportunities for substantial biodiversity and ecosystem services gains will be realised, which in turn deliver social and economic benefits
- This pilot is a European Green Deal enabler and can be used as a testbed for further green
 infrastructure/nature-based solution investment by the European Investment Bank (EIB), for LIFE
 SNAPs, and relevant further budget lines in the next Multiannual Financial Framework.
- Actions should also test and evaluate innovating approaches for creating value with human communities undergoing transformative change, avoiding negative externalities and improving their living conditions by restoring their terrestrial and/or aquatic environment.







Area 8: Zero-pollution, toxic free environment









Area 8: Zero-pollution, toxic free environment

LC-GD-8-1-2020: Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals (Research and Innovation Action)

<u>Specific Challenge:</u> Pollution from **persistent and mobile chemicals** is often a systemic problem, as it is driven by factors closely related to the **prevailing ways of production and consumption** and is reinforced by **missing appropriate technical solutions.**

Total	Budget per
Budget	project
40 mEUR	8-12 mEUR

- To advance our knowledge on health impacts and environmental effects and to address and preferably prevent a specific pollution problem involving contamination of environmental resources (such as soil, sediments, air, food and drinking water).
- The solutions developed should lead to:
 - ✓ **cost-effective prevention, monitoring** and to, as a last resort, **mitigation or elimination** of the issues (e.g. mitigation or remediation efforts in particularly affected geographic areas).
 - ✓ better understanding of environmental fate and help proactively prevent negative impacts from persistent and mobile chemicals (and, where relevant, their precursors) on humans and the environment.







Area 8: Zero-pollution, toxic free environment

LC-GD-8-2-2020: Fostering regulatory science to address combined exposures to industrial chemicals and pharmaceuticals: from science to evidence-based policies (Research and Innovation Action)

<u>Specific Challenge:</u> There is a need to advance regulatory science to **provide policy-makers and risk assessors with validated and practically applicable approaches**, methods and tools and to study the effectiveness and efficiency of different policy approaches.

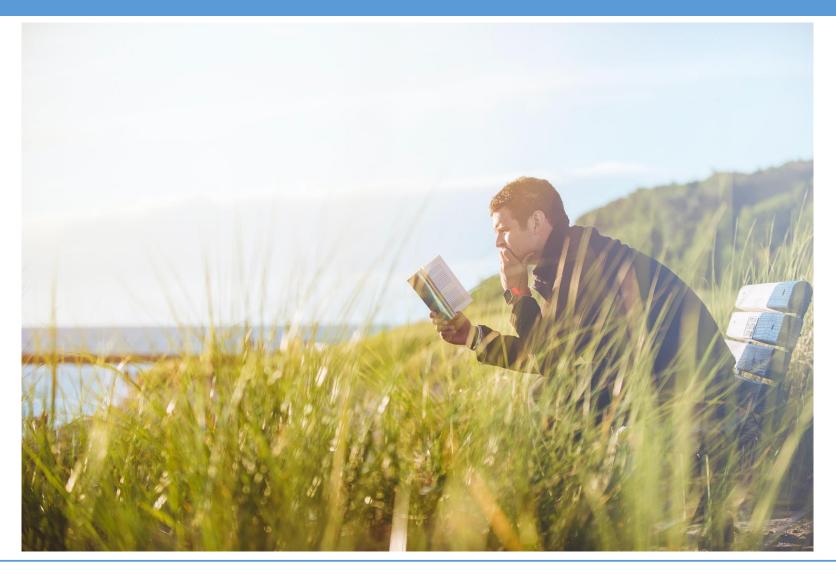
Total	Budget per
Budget	project
20 mEUR	4-6 mEUR

- Applied research studies, demonstrating how new tools and methodological approaches from
 regulatory science that are workable in a regulatory context and are based on the latest scientific
 evidence, can be applied to identify, quantify and prevent harmful co-exposures to industrial
 chemicals and pharmaceuticals.
- Selected projects under this topic are strongly encouraged to **continuously share information and participate to joint activities** to optimise synergies to address policy-relevant knowledge gaps.















LC-GD-9-1-2020: European Research Infrastructures capacities and services to address European Green Deal challenges (Research and Innovation Action)

<u>Specific Challenge:</u> The urgency and the scale of Green Deal challenges require the **mobilisation and advancement of world-class scientific capacities and resources** such as those offered by European Research Infrastructures.

Total	Budget per
Budget	project
28 mEUR	7-13 mEUR

- Proposals will address <u>one</u> of the following sub-topics:
 - ✓ Support Europe leadership in **clean energy storage technologies** (7 mEUR)
 - ✓ Enhancing European research infrastructures for **greenhouse gases observation in and around** cities (13 mEUR)
 - ✓ Enhancing observations for air quality and citizens' health in urban areas (8 mEUR)
- For grants awarded under this topic beneficiaries being 'access providers' <u>must provide</u> virtual access to research infrastructures or installations.







LC-GD-9-1-2020: LC-GD-9-2-2020: Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation (Research and Innovation Action)

Specific Challenge: Actions are needed for relevant and practical climate adaptation and mitigation solutions and information **to reach the end users**, help them in building the climate-neutral future they want and address environmental challenges posed by climate change.

Total	Budget per
Budget	project
25 mEUR	3-5 mEUR

- Contribute to informing citizens and decision-makers about the impacts of climate change in the
 decades to come, identify adaptation options, and illustrate what pathways towards climate
 neutrality entail in terms of production, consumption, planning and lifestyle, incorporating
 behavioural factors.
- Building on existing services and frameworks, such as Copernicus, GEOSS, EMODnet and ESA actions.
- Multiplying the outreach through scaling up and replication to a number of players in the business and public sector, as well as in <u>less represented areas</u> in Europe and beyond.







LC-GD-9-3-2020: Transparent & Accessible Seas and Oceans: Towards a Digital Twin of the Ocean (Innovation Action)

<u>Specific Challenge:</u> to make a step further by integrating all European assets related to seas and oceans (data, models, physical ocean observatories at sea) with digital technologies (cloud, super HPC capacities, AI and data analytics) into a digital component that represents a consistent high-resolution, multi-dimensional and (nearly) real-time description of the ocean.

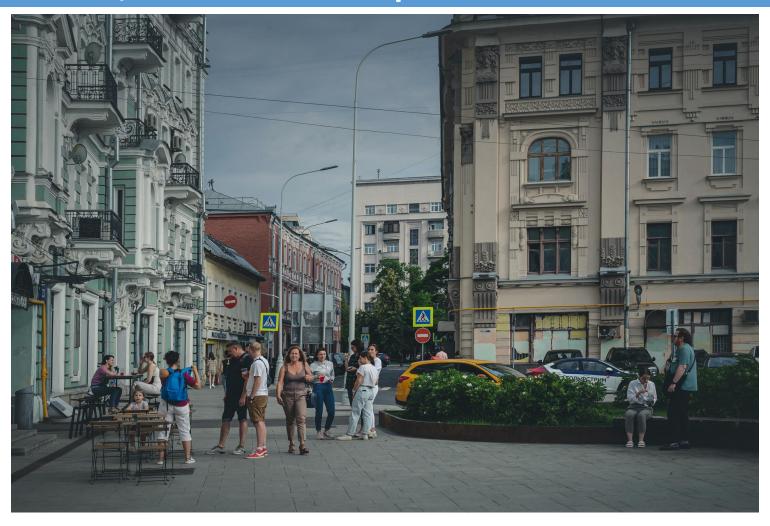
Total	Budget per
Budget	project
12 mEUR	12 mEUR

- The development of an ocean digital twin needs to fulfil all of the following criteria:
 - ✓ deliver break-through in accuracy and realism, represent optimal synergy between observations and models;
 - ✓ fully integrate downstream impact sectors of the socio-economic areas addressed in their test case;
 - ✓ include a rigorous handling of quality and confidence information.
- Proposals for such a development should demonstrate their usefulness with regard to Green Deal priorities















LC-GD-10-1-2020: European capacities for citizen deliberation and participation for the Green Deal (Research and Innovation Action)

<u>Specific Challenge:</u> Participatory processes in general and citizen deliberation in particular, require different levels of expertise, as well as upfront clarification of ethical and methodological principles and a clear commitment on the side of institutions about the processes' outcomes.

Total	Budget per
Budget	project
10 mEUR	3-5 mEUR

- To stablish transnational networks of experts, researchers, practitioners and relevant civil society
 organisations specialised in deliberative democracy and civic participation across Europe, including
 professionals in the field of public engagement. Proposals for such a development should
 demonstrate their usefulness with regard to Green Deal priorities.
- Actions should include several deliberative processes, each of them implemented in a significant number of Member States <u>or associated countries</u> and complemented by a <u>European online</u> <u>multilingual deliberative platform</u>.
- Projects under this topic will enable collective design and ownership of the European Green Deal's objectives and means.







LC-GD-10-2-2020: Behavioural, social and cultural change for the Green Deal (Research and Innovation Action)

Specific Challenge: All areas of the European Green Deal, from climate action to zero pollution, require considerable changes in societal practices and in the behaviour of individuals, communities, and public and private organisations. individual change should be addressed in the context of the collective benefits and cost-sharing arrangements of the Green Deal and it should be associated to broader structural measures to support affected groups.

Total	Budget per
Budget	project
10 mEUR	3-5 mEUR

- Actions should address behavioural change at individual and collective levels, including public and private organisations, as well as broader changes in social practices related to the European Green Deal.
- Actions should include several experimental studies, each implemented in at least four Member
 States and/or Associated Countries.
- Vulnerable and marginalised people, minorities and various age groups, including both youth and the older generation should be considered.







LC-GD-10-3-2020: Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement (Innovation Action)

Total

Budget per

Specific Challenge:

 A strong emphasis is placed on strengthening environmental awareness of the young generation through education and other forms of youth engagement.

•	Citizen science can strongly contribute to the delivery of environmental
	data and have real-life impact through adaptations in citizen/consumer
	personal behaviours.

Scope:

Subtopic 1: Enabling citizens to act on climate change and for sustainable development **through education**

Subtopic 2: Enabling citizens to act on climate change and for sustainable development through better monitoring and observing of the environment and their environmental impacts.

<u>Note:</u> In order to ensure a **balanced portfolio** of supported actions, at least **the highest-ranking proposal per subtopic will be funded**, provided it attains all thresholds.







project

3-5 mEUR

Budget

25 mEUR

LC-GD-10-3-2020: Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement (Innovation Action)

Total

Budget per

Specific Challenge:

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	data and have real-life impact through adaptations in citizen/consumer
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Scope:

Subtopic 1: Enabling citizens to act on climate change and for sustainable development **through education**

Subtopic 2: Enabling citizens to act on climate change and for sustainable development through better monitoring and observing of the environment and their environmental impacts.

<u>Note:</u> In order to ensure a **balanced portfolio** of supported actions, at least **the highest-ranking proposal per subtopic will be funded**, provided it attains all thresholds.







project

3-5 mEUR

Budget

25 mEUR

SOURCES TO LOOK FOR RELEANT PROJECTS AND PARTNERS

(Indicative)

Are you looking for start-ups developing technologies relevant to Green Deal? Check out this link.

Are you looking for organizations paving the way in nature protection, climate action and environment? Then you can check the awarded LIFE projects for 2020 in this link.

Are you looking for partners that use advanced ICT technologies to reduce the damage our energy use causes to the environment and the climate? Check out this link.

If you are looking to identify partners related to Farm2Fork projects, you may want to check the <u>EIP-Agri website for Operational Group projects</u>.







Q/A SESSION

