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finanse edilmektedir



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

Turkey in Horizon 2020 II

General Training (Webinar)
Horizon 2020 Green Deal Call

Grigoris Chatzikostas

Training Coordinator



REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY



COMPETITIVE
SECTORS
PROGRAMME



TÜBİTAK

Grigoris Chatzikostas

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

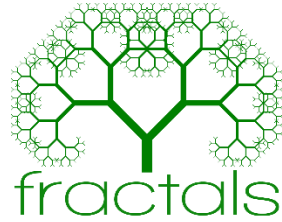
Experience in EU
projects



1st position in
Serbia in attracting
H2020 funds

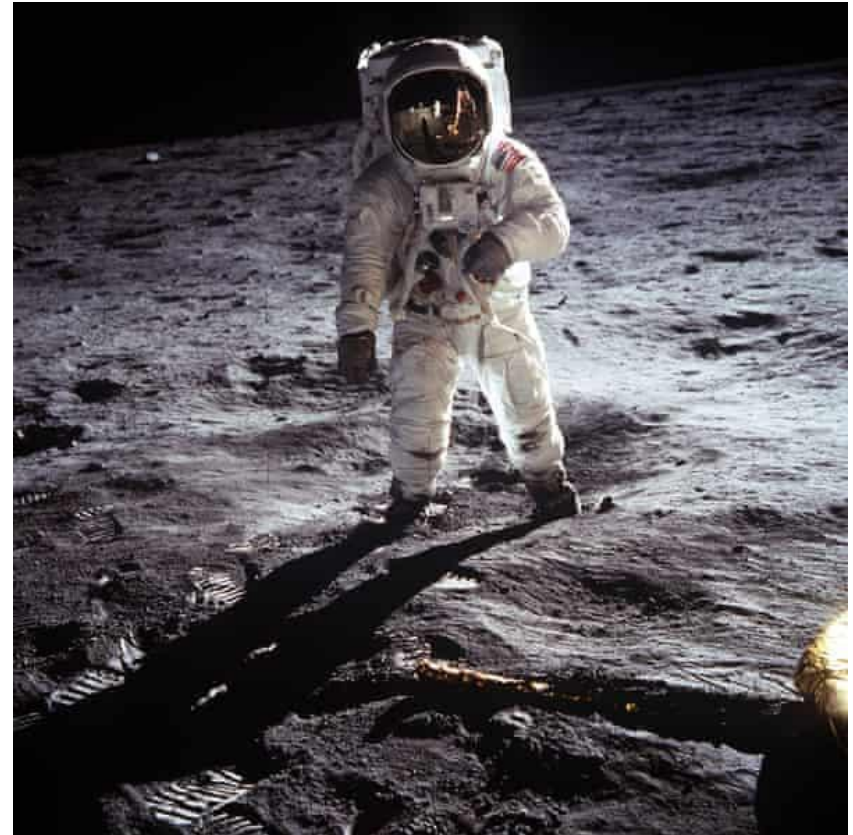
100+ m€

Total value of
projects managed





"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

The EU will be climate neutral by 2050.



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

*“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%

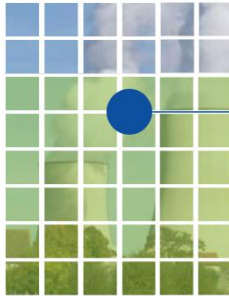
agree that taking action
on climate change will
lead to innovation

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

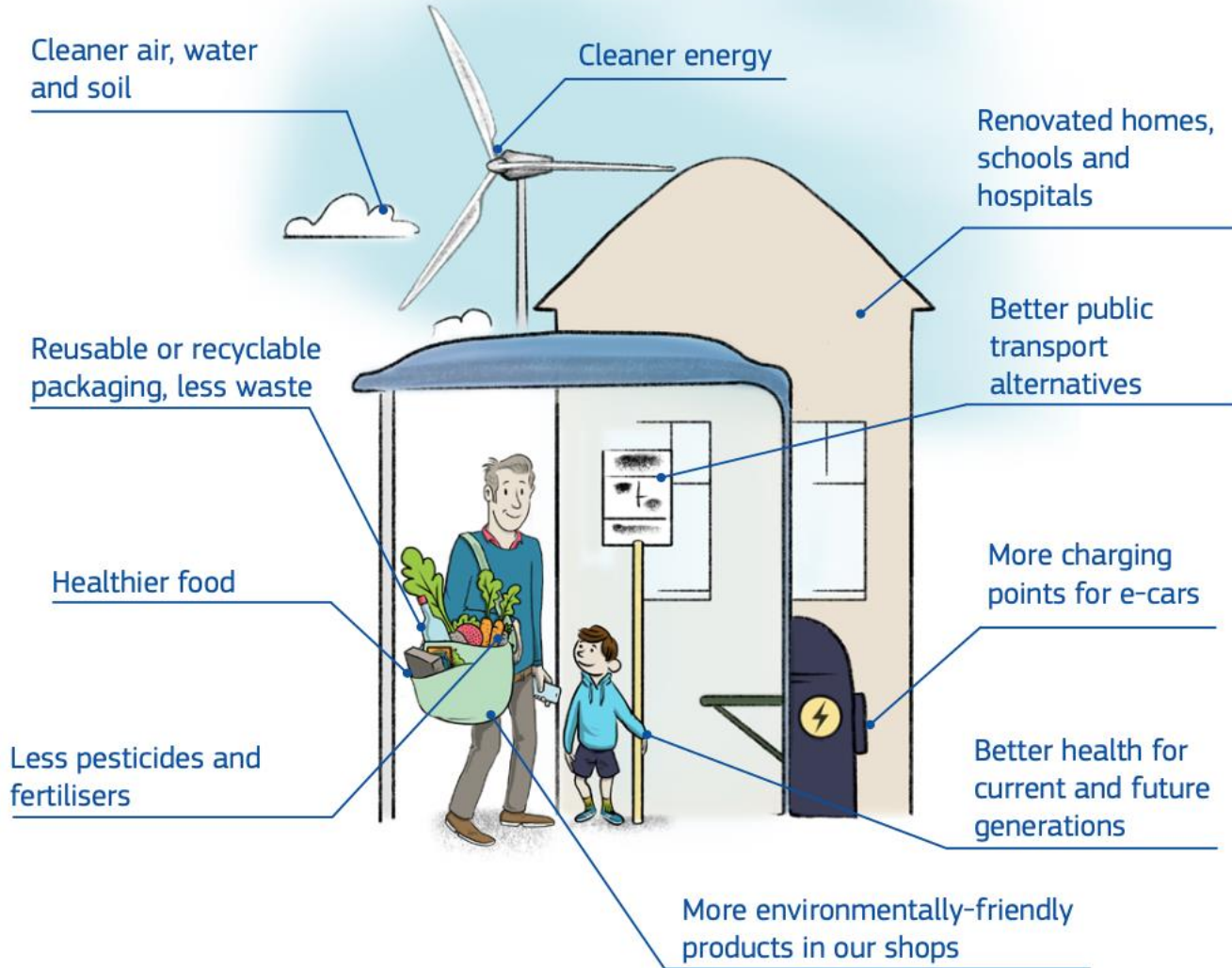


MOBILITY

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



Transport represents
25%
of our emissions



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



Pollution

⚠️ **400,000**
premature deaths
per year today due to air pollution.

Source: European Environment Agency,
[Air quality in Europe - 2019 report](#)



Heat and drought

⚠️ **90,000**
annual deaths as a
result of heatwaves¹

⚠️ **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





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





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

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

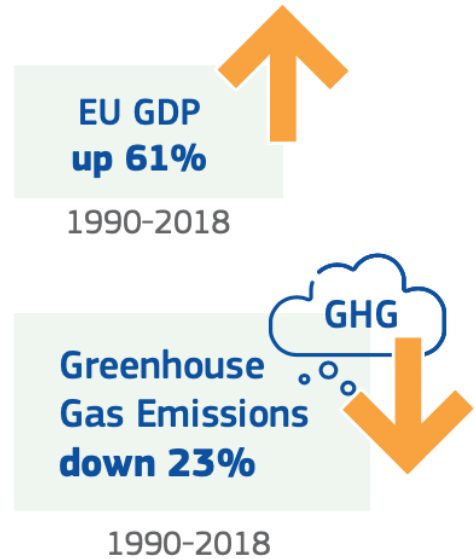
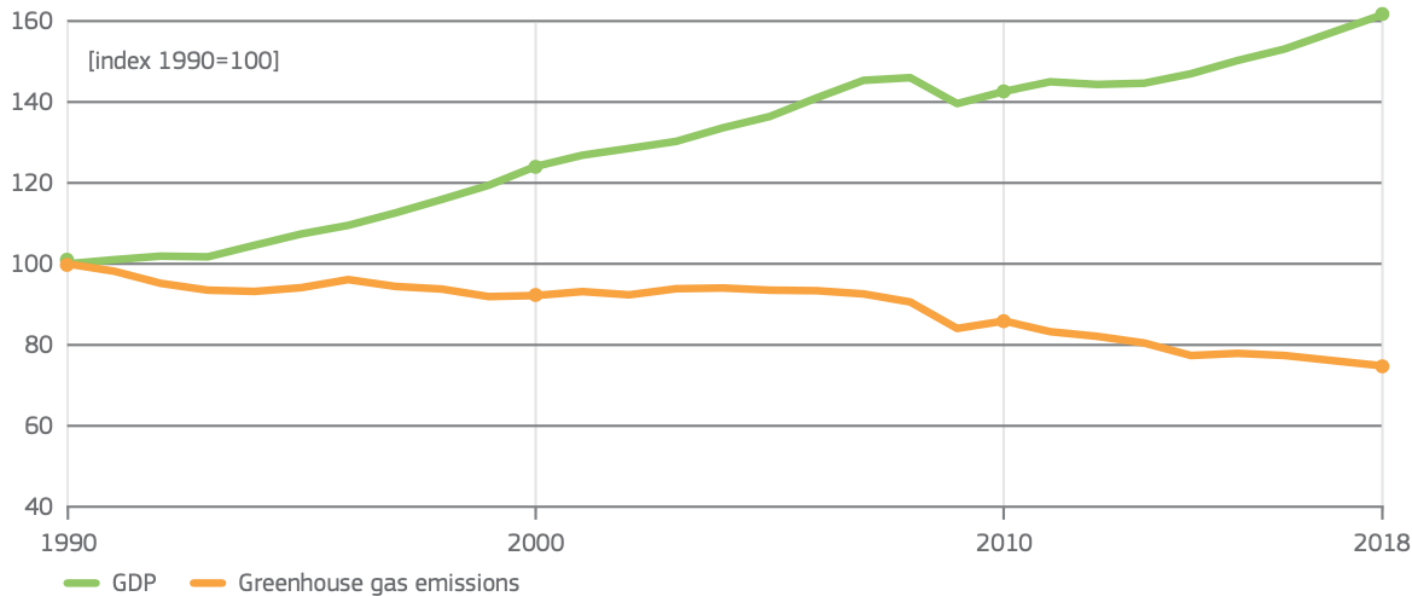
Source: COACCH, The economic cost of climate change in Europe, 2018

⚠️ Globally, the number of **people at risk**
of being forced from their homes by
river flooding could increase to
50 million a year

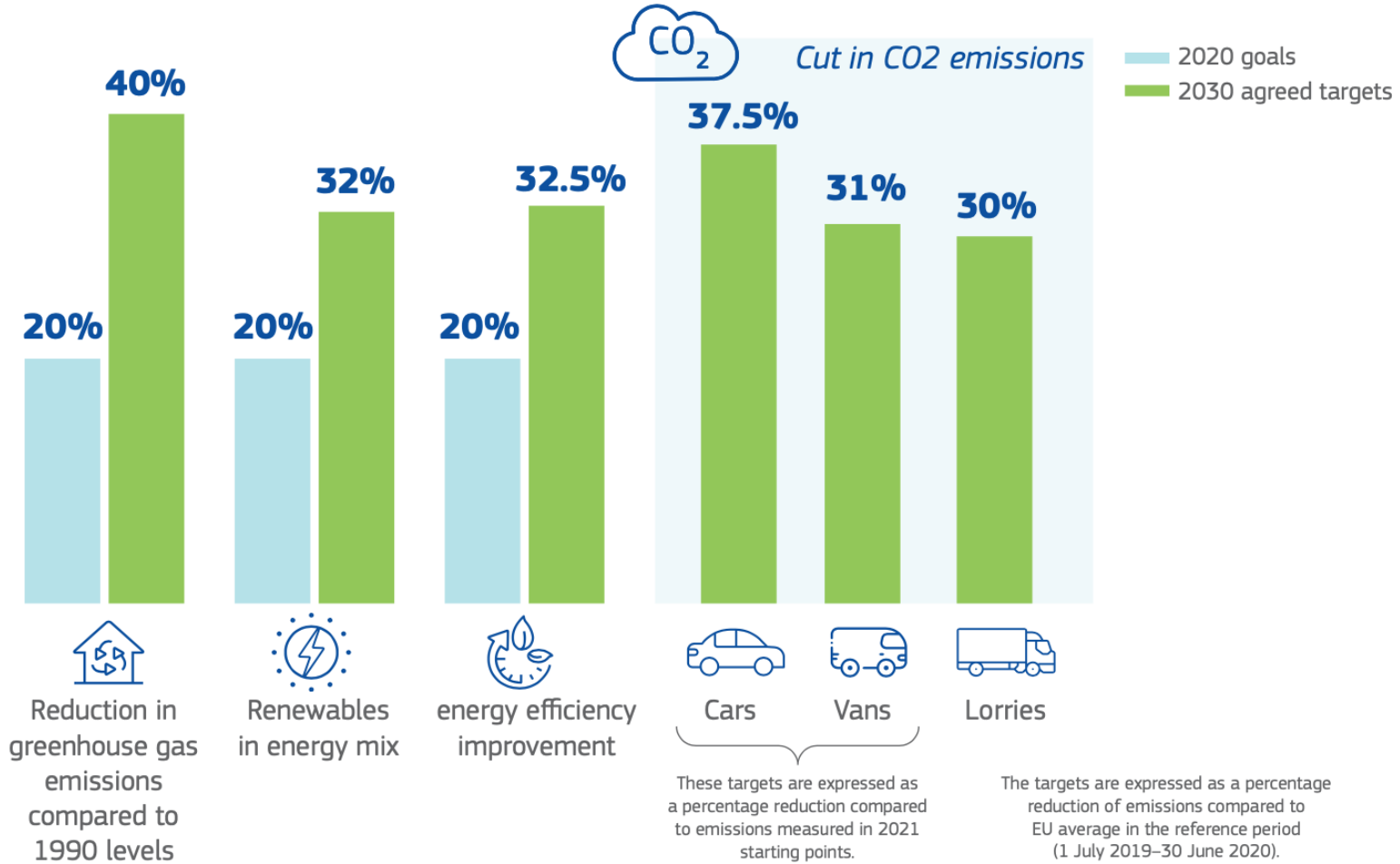
Source: Internal Displacement Monitoring Centre,
Assessing the impacts of climate change on flood
displacement risk, 2019

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

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



TARGETS FOR 2030 (PARIS AGREEMENT)



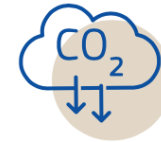
The EU is committed to:



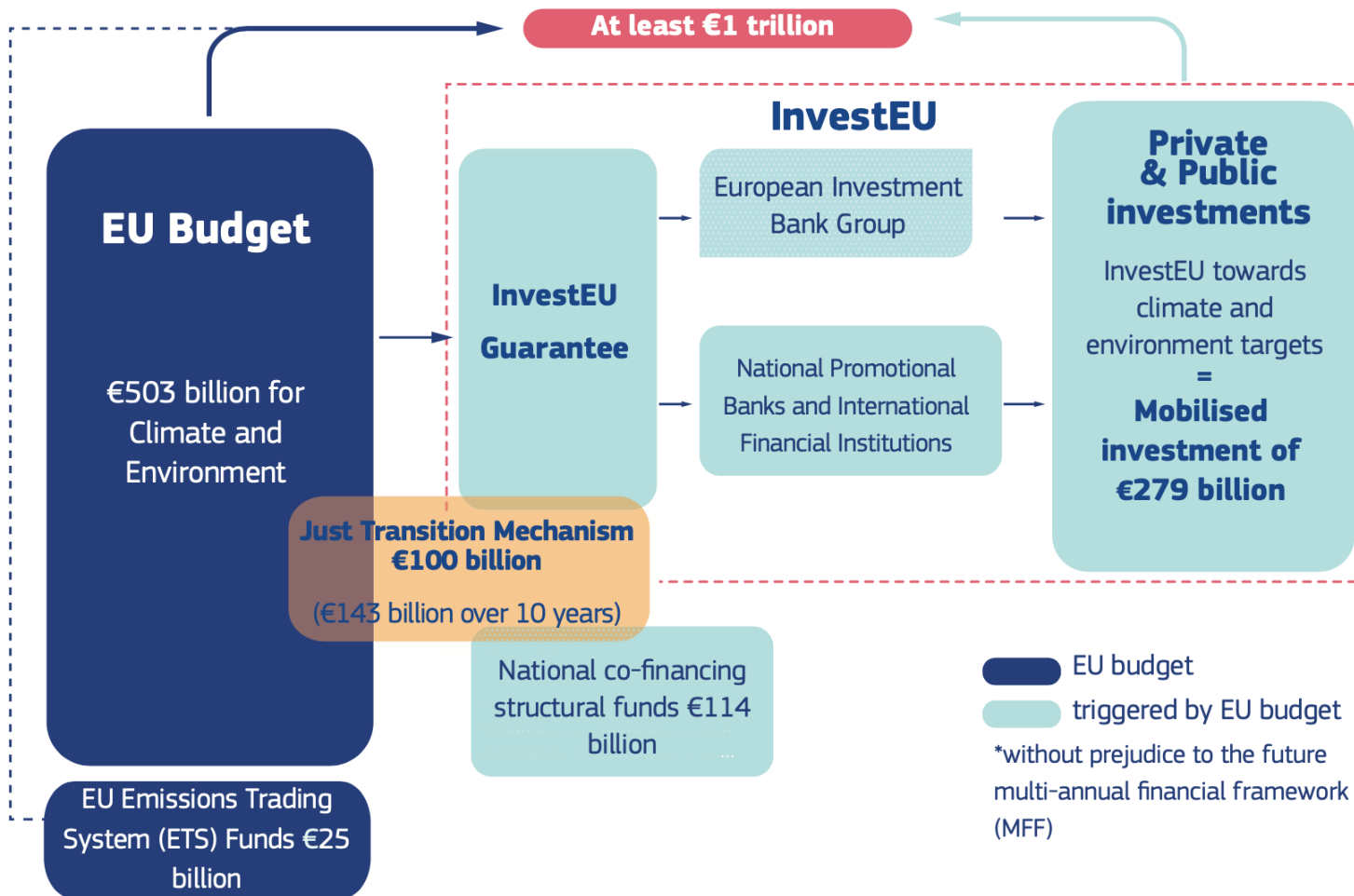
- **Leading by example**, through the European Green Deal.
- Using **diplomacy, trade and development cooperation** to advance climate action.
- Setting **standards for sustainable growth** across global value chains.

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 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:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1588581905912&uri=CELEX:52020PC0080>

What is included in the European Climate Law?



An EU-wide legal target for climate neutrality by 2050 that binds the **EU Institutions and national governments**.



Creating a predictable business environment for **industry and investors**, with the pace of emission reductions mapped out from 2030 to 2050, showing them what needs to be done, and at what speed.



A process to include in the Climate Law **the updated 2030 emissions reduction target**.



A mechanism for **keeping everybody on track** – with regular reporting on progress and tools to catch up if anyone falls behind.



A focus on the effective transition towards a fair and prosperous society, with a **modern, resource efficient and competitive economy**.

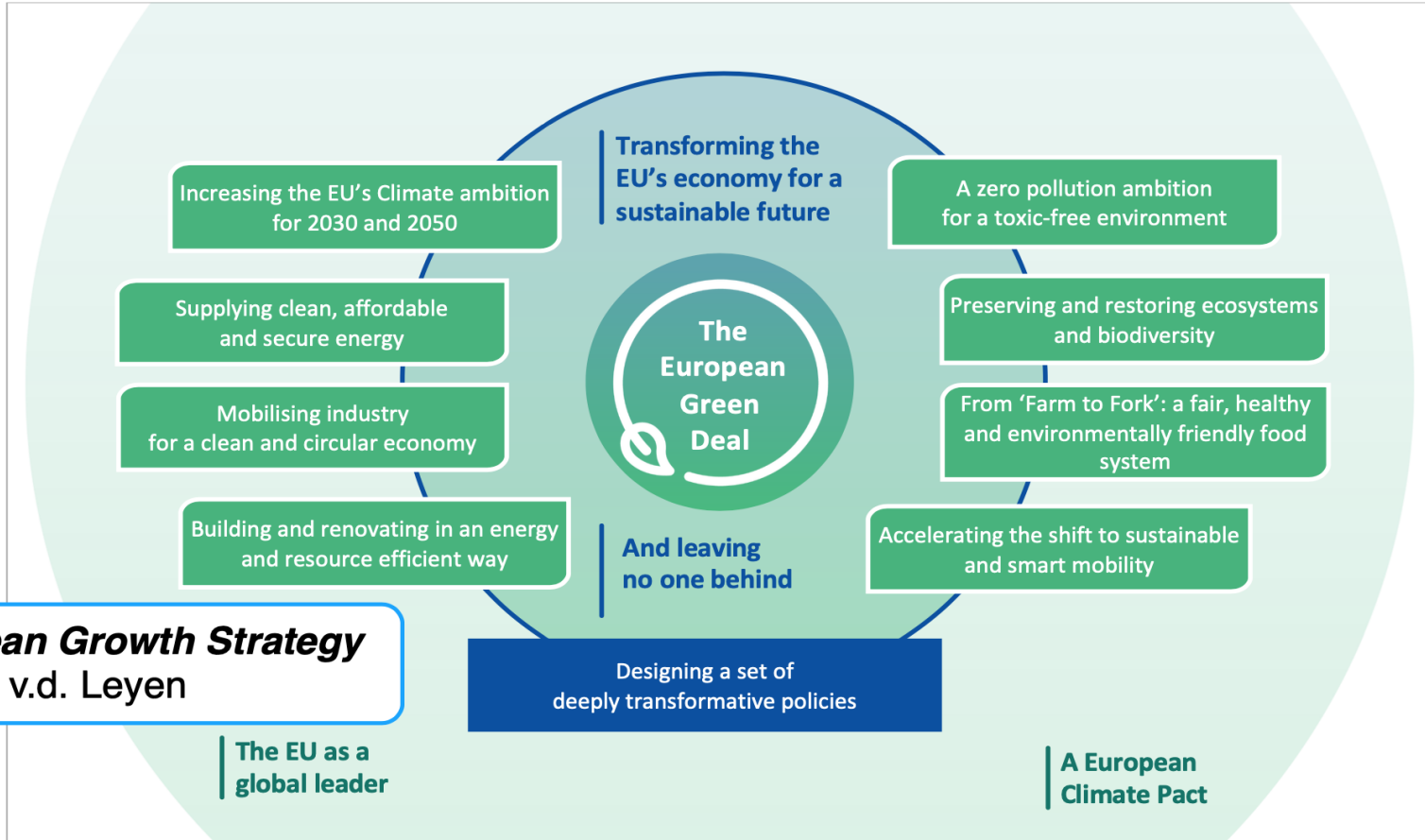


A renewed focus on adapting to the impacts of climate change to strengthen Europe's resilience, including for its **vulnerable communities**.





The European Green Deal



- 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

MAIN PART OF THE CALL FOCUSING ON INNOVATIVE SOLUTIONS AND DEMONSTRATIONS

Area 1:
Increasing
Climate
Ambition:
Cross
sectoral
challenges

Area 2:
Clean,
affordable
and secure
energy

Area 3:
Industry for
a clean and
circular
economy

Area 4:
Energy and
resource
efficient
buildings

Area 5:
Sustainable
and smart
mobility

Area 6:
Farm to
Fork

Area 7:
Ecosystems
and
Biodiversity

Area 8:
Zero-
pollution,
toxic free
environment

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

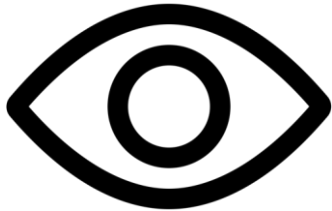
- Research and Innovation Action** – 100% funding of all activities and participants
- Innovation Action** – 70% funding of all activities and participants –except non-profit (still 100%)
- Coordination and Support Actions** – 100% funding of all activities and participants

GREEN DEAL HORIZON 2020 CALL – HOW IT IS DIFFERENT?

- It aims to:



produce tangible results



visible to the citizens

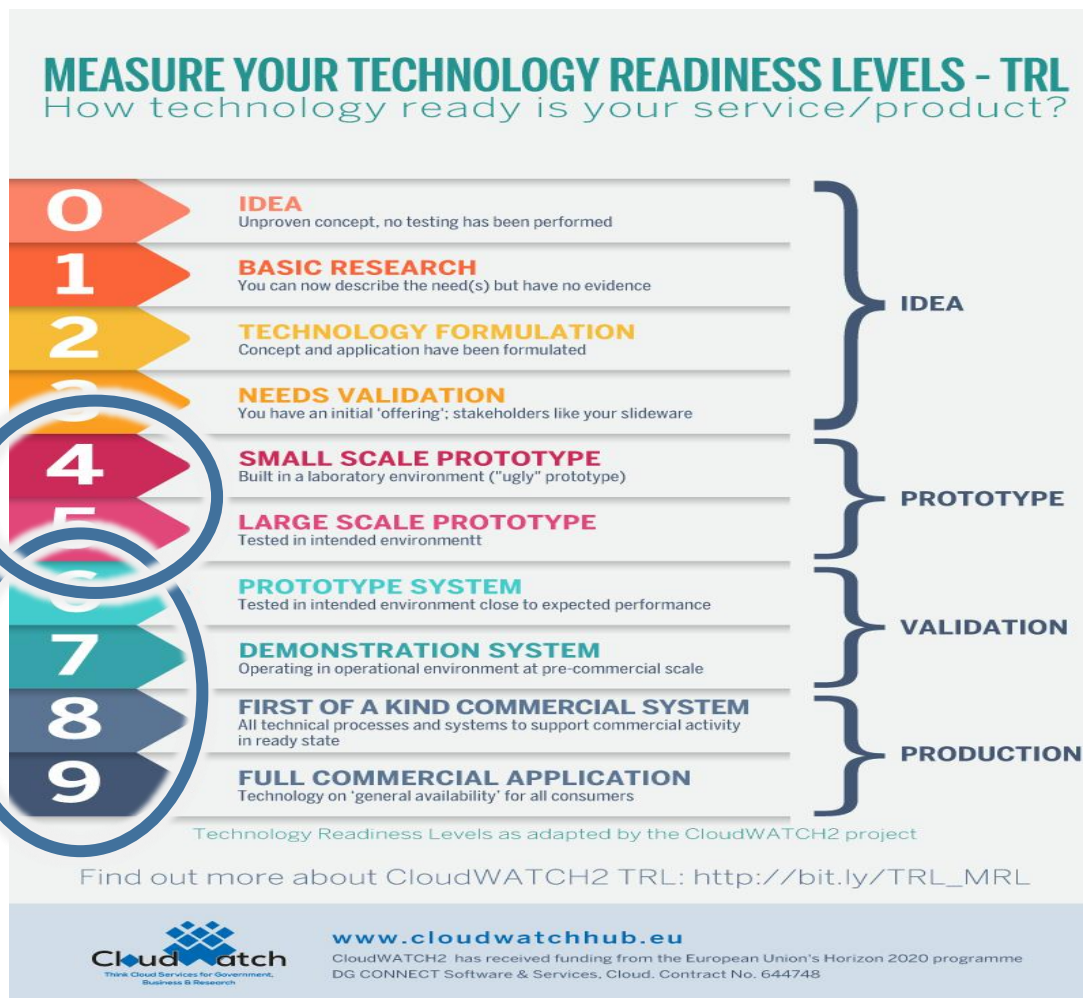


in a relatively short time frame

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.

Area 1: Increasing Climate Ambition: Cross sectoral challenges



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

Scope:

Specific Challenge:

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

- **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 climate-neutrality and social innovation in cities**

Scope:

- to develop a **one-stop shop platform** providing the necessary technical, regulatory, financial and socio-economic 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 all 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:

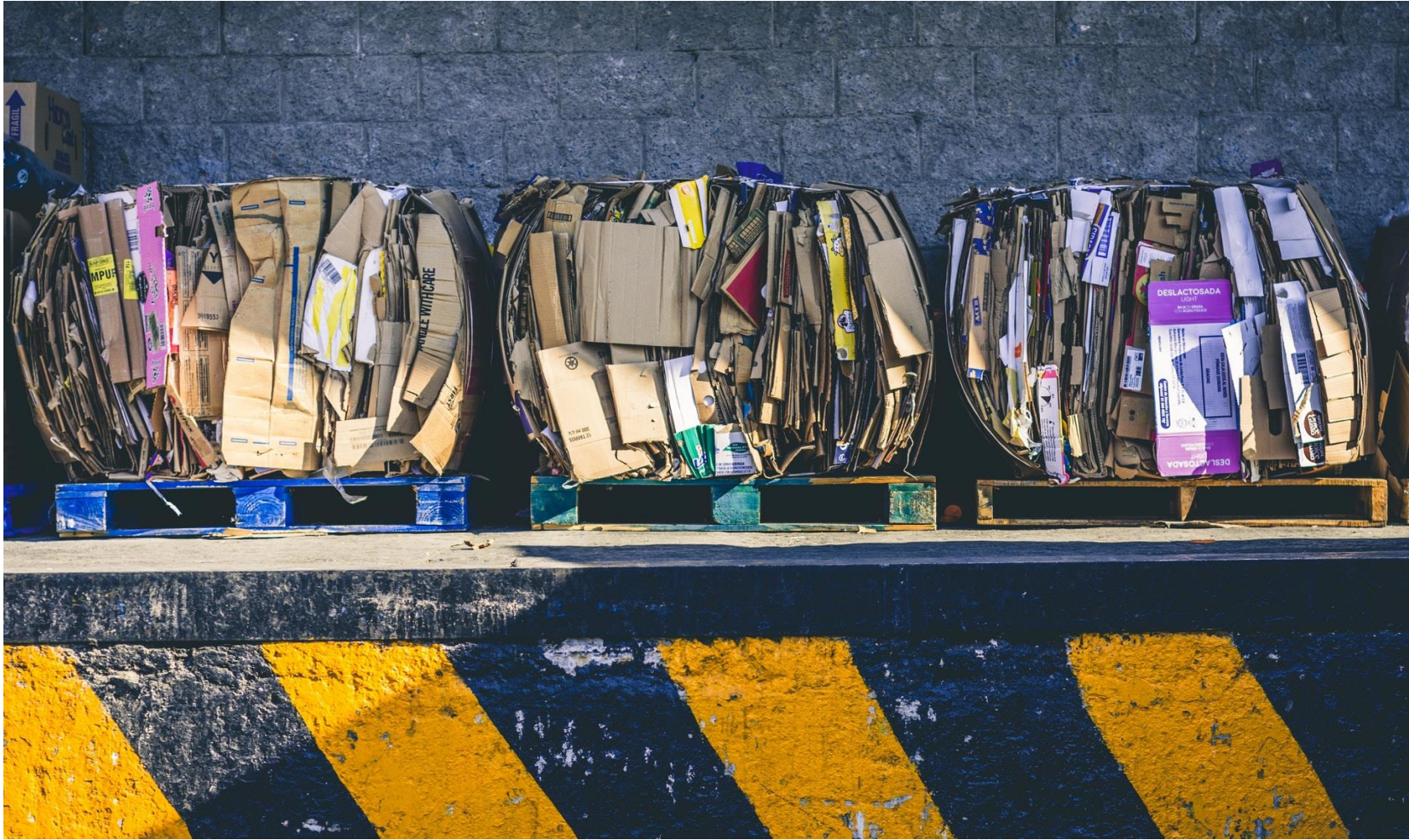
- development of renewable energy sources**, including solutions for off-grid communities, and their integration into existing energy system, considering the generation of renewable energy, the transmission, and the use of storage/battery systems.
- energy efficiency**

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

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)

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

Scope:

1. 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	Budget per 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)

Specific Challenge: 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/research/environment/index.cfm?pg=circular>.

Total Budget	Budget per 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)

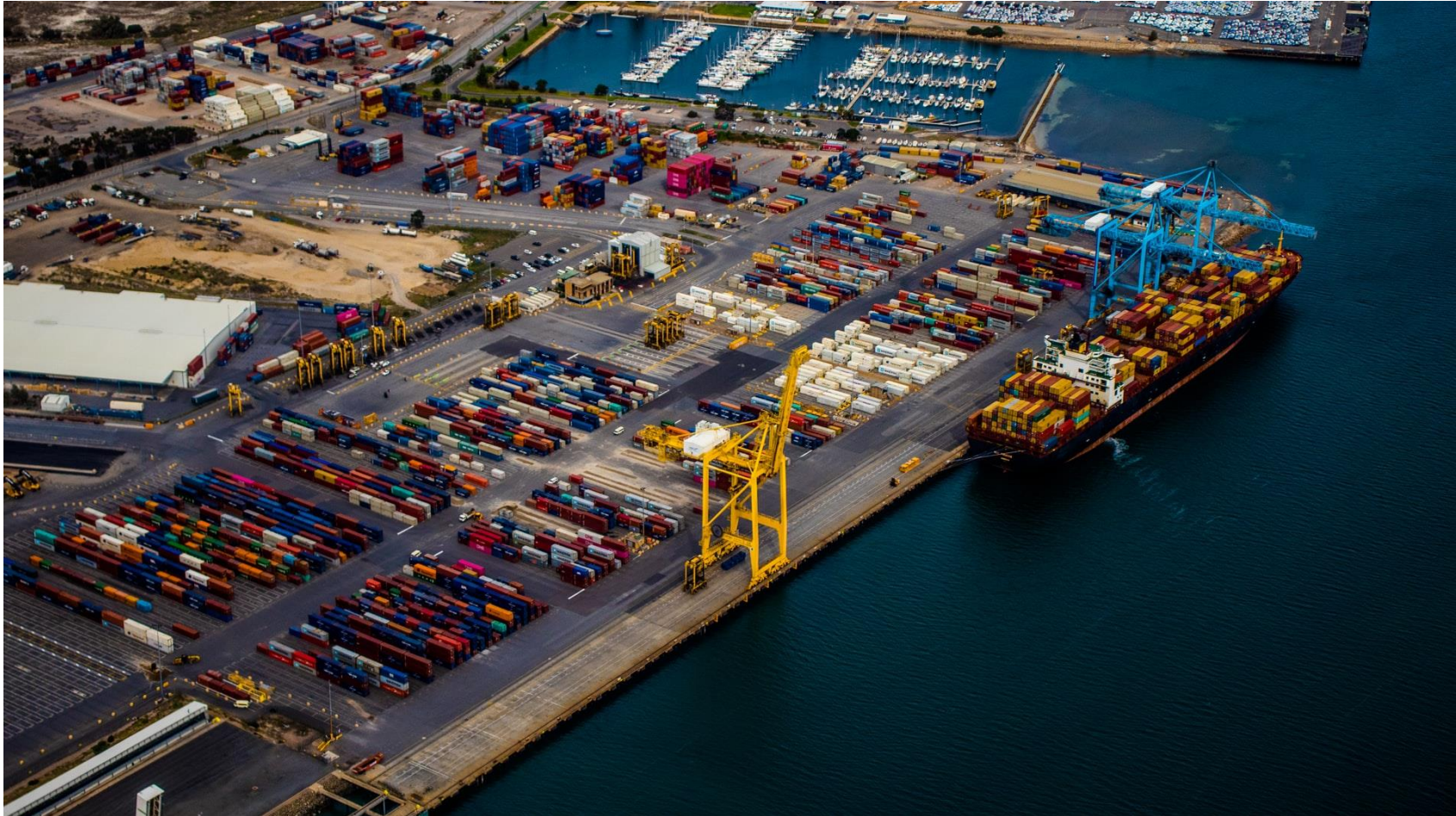
Specific Challenge:

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

Total Budget	Budget per project
60 mEUR	10-20 mEUR



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

Specific Challenge: 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	Budget per project*
100 mEUR	15-25 mEUR

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



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

Specific Challenge: 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	Budget per project
74 mEUR	6-12 mEUR

Scope: 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



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	Budget per project
80 mEUR	16-25 mEUR

Scope:

- 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.



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)

Specific Challenge: 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	Budget per project
40 mEUR	8-12 mEUR

Scope:

- 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.

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)

Specific Challenge: 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	Budget per project
20 mEUR	4-6 mEUR

Scope:

- **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.

Area 9: Strengthening our knowledge in support of the EGD



Area 9: Strengthening our knowledge in support of the EGD

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

Specific Challenge: 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	Budget per project
28 mEUR	7-13 mEUR

Scope:

- Proposals will address one 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' **must provide virtual access to research infrastructures or installations.**

Area 9: Strengthening our knowledge in support of the EGD

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	Budget per project
25 mEUR	3-5 mEUR

Scope:

- 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 **less represented areas** in Europe and beyond.

Area 9: Strengthening our knowledge in support of the EGD

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

Specific Challenge: 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	Budget per project
12 mEUR	12 mEUR

Scope:

- 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**

Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe



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

Specific Challenge: **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	Budget per project
10 mEUR	3-5 mEUR

Scope:

- To establish **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 or associated countries and complemented by a **European online multilingual deliberative platform**.
- 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	Budget per project
10 mEUR	3-5 mEUR

Scope:

- 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.

Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe

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)

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.

Total Budget	Budget per project
25 mEUR	3-5 mEUR

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.**

Note: 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.

Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe

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)

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.

Total Budget	Budget per project
25 mEUR	3-5 mEUR

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.**

Note: 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.

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 [EIP-Agri website for Operational Group projects](#).



Contact:

Office Address

*Turkey in Horizon 2020 Project
And Sokak 8/12 Akasya Apt. 06680 Çankaya/Ankara
06520 Çankaya/Ankara,Turkey
Tel: +90 312 467 61 40
<http://www.turkeyinh2020.eu/>
info@TurkeyinH2020.eu*



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Teşekkür ederim!

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