

Webinario: “El nuevo marco de financiación europea: EU Green Deal y Horizonte Europa”

27 de octubre de 2020

“Convocatoria H2020 Green Deal”

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The European Green Deal is our plan to make the EU's economy sustainable. We can do this by turning climate and environmental challenges into opportunities, and making the transition just and inclusive for all.



Ámbitos de actuación

Biodiversidad

Medidas para proteger nuestro frágil ecosistema

«De la granja a la mesa»

Formas de garantizar una cadena alimentaria más sostenible

Sustainable agriculture

Sustainability in EU agriculture and rural areas thanks to the common agricultural policy (CAP)

Energía limpia

Energía limpia

Una industria sostenible

Maneras de garantizar unos ciclos de producción más sostenibles y respetuosos con el medio ambiente

Construir y renovar

La necesidad de un sector de la construcción más limpio

Movilidad sostenible

Fomentar medios de transporte más sostenibles

Eliminar la contaminación

Medidas para reducir la contaminación de manera rápida y eficiente

Climate action

Making the EU climate neutral by 2050

Horizon 2020 European Green Deal Call

- €1 billion investment to boost the green and digital transition.
- Launched in 2020, before the start of Horizon Europe:
 - Pressing need to confront the climate crisis and provide greater protection for the continent's unique environment and biodiversity.
 - Aiding Europe's recovery in the wake of the Covid-19 crisis, contributing directly to the EU's Recovery Plan for Europe.



Horizon 2020 European Green Deal Call

- Green Deal Call aims for **clear, discernible results in the short to medium-term, but with a perspective of long-term change**. There are fewer, but more targeted, larger and visible actions, with a focus on rapid scalability, dissemination and uptake.
- The Call has been structured to reflect explicitly the priorities of the European Green Deal. It contains **20 topics, which are distributed in 10 thematic areas**.
- The first eight areas correspond exactly to the **eight work streams of the European Green Deal**. These areas are complemented by two horizontal areas.



Areas	Topics
Thematic	
1. Increasing climate ambition: cross sectoral challenges	<p>1.1. Preventing and fighting extreme wildfires with the integration and demonstration of innovative means</p> <p>1.2. Towards climate-neutral and socially innovative cities</p> <p>1.3. Climate-resilient innovation packages for EU regions</p>
2. Clean, affordable and secure energy	<p>2.1. Innovative land-based and offshore renewable energy technologies and their integration into the energy system</p> <p>2.2. Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and industrial applications</p> <p>2.3. Accelerating the green transition and energy access partnership with Africa</p>
3. Industry for a clean and circular economy	<p>3.1. Closing the industrial carbon cycle to combat climate change</p> <p>3.2. Demonstration of systemic solutions for the territorial deployment of the circular economy</p>
4. Energy and resource efficient buildings	4.1. Building and renovating in an energy and resource efficient way
5. Sustainable and smart mobility	5.1. Green airports and ports as multimodal hubs for sustainable and smart mobility
6. Farm to fork	6.1. Testing and demonstrating systemic innovations for sustainable food from farm to fork
7. Biodiversity and ecosystems	7.1. Restoring biodiversity and ecosystem services
8. Zero-pollution, toxic-free environments	<p>8.1. Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals</p> <p>8.2. Fostering regulatory science to address chemical and pharmaceutical mixtures: from science to evidence-based policies</p>
Horizontal	
9. Strengthening knowledge	<p>9.1. European Research Infrastructures' capacities and services to address European Green Deal challenges</p> <p>9.2. Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation</p> <p>9.3. A transparent and accessible ocean: towards a digital twin of the ocean</p>
10. Empowering citizens	<p>10.1. European capacities for citizen deliberation and participation for the Green Deal</p> <p>10.2. Behavioural, social and cultural change for the Green Deal</p> <p>10.3. Enabling citizens to act on climate change and environmental protection through education, citizen science, observation initiatives, and civic involvement</p>

Horizon 2020
European Green Deal Call

Consejo Asesor & Miguel Angel Martinez Borrero
FED Research and Innovation, European Commission

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Horizon 2020
European Green Deal Call

Orquesta Académica & Miguel Ángel Martínez Bello
700 Research and Innovation European Commission

Funding & tender opportunities

English

Register Login

SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT

COVID-19 outbreak: visit the European Research Area (ERA) corona platform for information on related funding opportunities

Latest news: Latest FAQs on Horizon 2020 calls and grants published on 23 September // Continuously updated info on extension of call deadlines

Legal Entity and Bank Account validations tasks are experiencing issues in the Grant Management Services on Monday 26.10.2020 between 20:00 and 21:30 CET.
The Identity, Bank Account, Contracts & Payments functionalities in the Experts Area of the F&T Portal are unavailable on Monday 26.10.2020 between 20:00 and 21:30 CET.

Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy

YH07C-100 (1/2018 A-1-21001)

Grant

General information

Topic description

Conditioning and documents

Partner search

Submission service

Topic related FAQ

Get support

Get information

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General information

Programme
Horizon 2020 Framework Programme

Call
Building a low-carbon, climate resilient future: Research and innovation in support of the European Green Deal (H2020-LC-00-2020)

Type of action
IA Innovation action

Deadline model
single-stage

Closing date
22 September 2020

Deadline date
26 January 2021 17:00:00 Brussels time

Open for submission

See budget overview

Topic description

Specific Challenge:

European food is recognised as being safe, nutritious and of high quality. It should now also become the global standard for sustainability. Although the transition to more sustainable systems is in its infancy, it remains a big 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. Many current production practices and consumption patterns still result in air, water and soil pollution, contribute to the loss of biodiversity and to climate change, challenge animal welfare and consume excessive amounts of natural resources, including water and energy, while an important part of food is wasted. At the same time, unbalanced diets contribute to obesity and other nutrition-related, non-communicable diseases. Here are some of the facts:

- Agriculture is responsible for 10.3% of the EU's GHG emissions^[1]. Food is a significant source of GHG emissions contributing to about 17% of EU household emissions, similar to housing (23%)^[2].

show more...

Topic conditions and documents

1. **Eligible countries:** described in Annex A of the Work Programme.
A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon 2020 projects. See the information in the Online Manual.

2. **Eligibility and admissibility conditions:** described in Annex B and Annex C of the Work Programme.

show more...

Partner search

156

Organisations are looking for collaborating partners for this topic

View / Edit

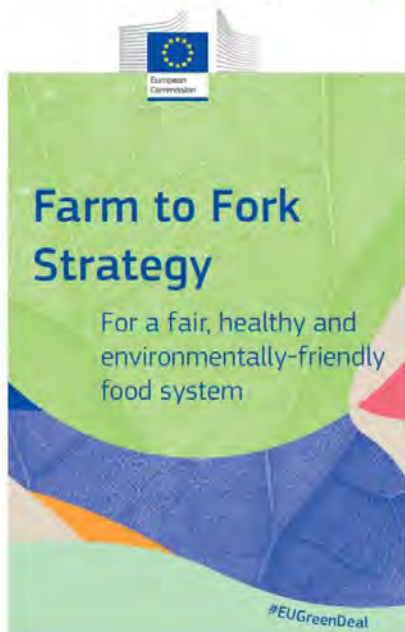
LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal.

[Link Funding and tender opportunities](#)

Area 6.- De la granja a la mesa

Topic: LC-GD-6-1-2020

Probar y demostrar innovaciones sistémicas en apoyo de la “Estrategia de la granja a la mesa”



- Tipo de acción: IA- Acción de Innovación
- Presupuesto disponible: 74M€
- 6 Subtopics: A, B, C,D,E y F.
- Presupuesto/proyecto: 6 a 12M€
- Fecha apertura: **22/09/2020.**
- Fecha cierre: **26/01/2021**

https://ec.europa.eu/food/farm2fork_en



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1

Estrategia “de la granja a la mesa”, para un sistema alimentario justo, saludable y respetuoso con el medio ambiente. (COM 2020) 381 final. 20/05/2020



- tener un impacto ambiental neutro o positivo,
- ayudar a mitigar el cambio climático y adaptarse a sus impactos,
- revertir la pérdida de biodiversidad,
- garantizar la seguridad alimentaria, la nutrición y la salud pública,
- preservar la asequibilidad de los alimentos, fomentar la competitividad del sector y promover el comercio justo.



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F2F – Indicadores para una producción de alimentos sostenible en 2030



- Reducir el uso de **plaguicidas químicos**, así como de plaguicidas más peligrosos en un 50%



- Reducir la **pérdida de nutrientes** en al menos un 50% garantizando que no se deteriore la fertilidad del suelo; lo que reducirá el uso de fertilizantes del 20%



- Reducir la **venta de antimicrobianos** en la UE para animales de granja y de acuicultura en un 50%.



- Alcanzar al menos el 25% de las tierras agrícolas de la UE se utilicen en **agricultura ecológica** e incrementar la **acuicultura ecológica**.



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Topic - Reto específico

El sistema alimentario europeo está reconocido a nivel mundial como seguro, nutritivo y de alta calidad, pero debe convertirse en un **estándar mundial de sostenibilidad**.

Algunos **datos**:

- Agricultura responsable del **10,3% de los GEI** de la UE.
- **Excesivo uso de nitrógeno y fósforo** – contaminación difusa de los ecosistemas.
- Los **plaguicidas** afectan negativamente a los **polinizadores**, se filtran en suelos y agua lo que provoca pérdida **de biodiversidad/salud humana**.
- La **resistencia a antimicrobianos** genera la muerte de 33.000 personas en la UE cada año.
- El **20%** de los alimentos de la UE se **desperdician**.
- 1 de cada 5 adultos de la UE es obeso y el **50% tiene sobrepeso**.

La pandemia **COVID-19** ha puesto de manifiesto la importancia de un sistema alimentario europeo sostenible, robusto y resiliente.



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Topic - Alcance (1)

Soluciones sistémicas innovadoras alineadas con la estrategia F2F. (TRL 5-7) **en uno** de los siguientes **subtopics (6)**

A.- Granjas climáticamente neutras mediante la reducción de las emisiones de GEI y el aumento del secuestro y almacenamiento de carbono en las granjas (IA)

B.- Negocios alimentarios climáticamente neutros mitigando el cambio climático, reduciendo el uso de energía y aumentando la eficiencia energética en el procesamiento, distribución, conservación y preparación de alimentos (IA)

C.-Reducir la dependencia de **plaguicidas peligrosos**; reducir las pérdidas de **nutrientes** de los fertilizantes, hacia una **contaminación cero** del agua, el suelo y el aire y, en última instancia, el uso de fertilizantes (IA).



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Topic - Alcance (2)

D.- Reducción de la dependencia del uso de **antimicrobianos** en la **producción animal** y en la **acuicultura** (IA)

E.- Reducir las **pérdidas y el desperdicio de alimentos** en todas las etapas de la cadena alimentaria, incluido el consumo, evitando al mismo tiempo los **envases** insostenibles (IA)

F.- Cambio **hacia dietas saludables sostenibles**, obtenidas de la tierra, las aguas continentales y el mar, y accesibles a todos los ciudadanos de la UE, incluidos los grupos más desfavorecidos y vulnerables (IA)

Se financiará al menos una propuesta por subtopic (*siempre que se superen los umbrales*)

- Subtopic A. Achieving climate neutral farms by reducing GHG emissions and by increasing farm-based carbon sequestration and storage (IA)
- Subtopic 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)
- Subtopic 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 (IA)
- Subtopic D. Reducing the dependence on the use of antimicrobials in animal production and in aquaculture (IA)
- Subtopic E. Reducing food losses and waste at every stage of the food chain including consumption, while also avoiding unsustainable packaging (IA)
- Subtopic F. Shifting to sustainable healthy diets^[12], sourced from land, inland water and sea, and accessible to all EU citizens, including the most deprived and vulnerable groups (IA)

Innovation actions (IA)

Description: Action primarily consisting of activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

A 'demonstration or pilot' aims to validate the technical and economic viability of a new or improved technology, product, process, service or solution in an operational (or near to operational) environment, whether industrial or otherwise, involving where appropriate a larger scale prototype or demonstrator.

A 'market replication' aims to support the first application/deployment in the market of an innovation that has already been demonstrated but not yet applied/deployed in the market due to market failures/barriers to uptake. 'Market replication' does not cover multiple applications in the market of an innovation³ that has already been applied successfully once in the market. 'First' means new at least to Europe or new at least to the application sector in question. Often such projects involve a validation of technical and economic performance at system level in real life operating conditions provided by the market.

Projects may include limited research and development activities.

Funding rate: 70% (except for non-profit legal entities, where a rate of 100% applies)

Topic - Alcance (3)

3 dimensiones de la sostenibilidad

Challenges to the EU food system

SOCIAL SUSTAINABILITY



Healthier diets –
reduce overweight



Improve
animal
welfare



Social rights
workers in food
chain



Food
affordability

ENVIRONMENTAL SUSTAINABILITY



Tackle climate
change



Protect the
environment



Preserve
biodiversity



Reduce food losses and
waste



Circular bio-based
economy

ECONOMIC SUSTAINABILITY



Fairer incomes for farmers,
fishers & aquaculture producers



Just
transition



New business & job
opportunities



Alcance (4). Prestar ... ¡ATENCIÓN!a:

- Aplicar pensamiento/enfoque sistémico, desde la producción hasta el consumo
- Enfoque multi-actor .
- Combinación de innovaciones/tecnologías (digital/espacio)
- Mejora de las innovaciones (TRL 5-7) con limitada actividad de investigación.
- Capitalizar instalaciones de prueba y demostración ya existentes.
- Plan de acción la para diseminación, comunicación y participación a escala europea.

Aspectos transversales: Cooperación internacional , SSH, crecimiento azul e innovación abierta.



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Topic - Impactos esperados (1)

- Demostrar **soluciones** sistémicas innovadoras que tienen el potencial de generar **impactos** positivos significativos para **2030**.
- Contribuir significativamente a la consecución de los objetivos y metas de la **Estrategia de la granja a la mesa** y el **Pacto Verde Europeo**.
- Lograr un **mayor conocimiento** entre los responsables políticos, las empresas, los inversores, los emprendedores, las instituciones, las partes interesadas y los ciudadanos de las soluciones sistémicas innovadoras seleccionadas, de su **potencial** y de los **requisitos para promover y realizar su aceptación** a escala de la UE y el **cambio de comportamiento**.

Impacto esperado

- Contribute significantly to the achievement of the objectives and targets of the Farm to Fork Strategy and The European Green Deal, and in particular to:
 - Reducing GHG-emissions by at least 50% by 2050 compared with 1990 levels (Subtopics A, B, E, F);
 - Reducing the overall use and risk of chemical pesticides by 50% and **the use of more hazardous pesticides by 50% by 2030** (Subtopic C);
 - Reducing nutrient losses by 50%, which will reduce the use of fertilisers by at least 20% by 2030 (Subtopic C);
 - Reducing the EU sales of antimicrobials for farmed animals and in aquaculture by 50% by 2030 (subtopic D);
 - Halving the per capita food waste at retail and consumer levels by 2030 (Subtopic E);
 - Reversing the rise in overweight and obesity rates across the EU by 2030 (Subtopic F);
 - Bringing European diets more in line with dietary recommendations (Subtopic F).


LC-GD-7-1-2020: Restoring biodiversity and ecosystem services



Fuente



- Support the development of specific demand and supply chains in restoring ecosystems on land or at sea
- Demonstrate and test how restoration activities and socio- ecological management of ecosystems enable sustainable, climate-neutral and climate-resilient, inclusive, transformative approaches, including across the bioeconomy
- Promote scaling up and stepping up of implementation of NBS
- Showcase how restoring ecosystems at large scale will also help human communities to adapt to changing conditions at their local level, and how restoration activities can be integrated into economically and socially viable land use practices



Don't forget:

Solutions should:

- Developing a scalability plan
- Setting baselines, goals and a monitoring framework for the projects
- Promote innovative funding, cross-sectoral collaborations and social participation to support the design, implementation and monitoring of sustainable and effective restoration efforts.
- International cooperation is encouraged
- Project consortia must evidence that they have the rights to undertake actions on the areas to be restored. No land purchase or lease can be funded under this topic
- 16-25 m€ / 80 m€: 3-5 projects
- Innovation action

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

Fuente



To establishing new knowledge, exploring the feasibility of new or improved technologies and demonstrating innovative solutions to protect health, environment and natural resources from persistent and mobile chemicals

- Projects are expected to advance 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).
- They should also lead to 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.
- The projects may include appropriate technologies, business, governance and social innovation aspects and the demonstration of innovative solutions in a relevant environment (TRL 4-6).
- Projects may consider analytical methods and monitoring, enabling to quantify entire groups of persistent and mobile chemicals in food, soil or drinking water.
- 8-12 m€ / 40 m € : 3-5 projects
- RIA

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



This topic calls for applied research studies, demonstrating how new tools and methodological approaches from regulatory science can be applied to identify, quantify and prevent harmful co-exposures to industrial chemicals and pharmaceuticals.

- Development of innovative tools and analytical methods to detect and measure complex mixtures
- Comparisons of different possible regulatory approaches to manage unintentional chemical mixtures
- Develop and apply modelling, statistical approaches and other relevant methods to identify and study the health impacts on human populations and the environment of exposures to combinations of different chemicals
- The possible effects on humans, in particular on vulnerable sub-populations, from combined (chronic) exposure to low levels of pharmaceuticals via the environment
- Development, improvement and validation of models for predicting (chronic) exposure to combinations of chemicals, which can be applied in a premarket stage and possibly already at the design phase of chemicals and materials
- 4-6 m€ / 20 M€: 3-5 projects
- RIA

Selection of Horizon 2020 projects contributing to the **European Green Deal**



CLIMATE

BAMB allows for building construction to reduce its greenhouse gas emissions by 30-50% and its construction and demolition waste by 75%, by certifying and reusing materials, allowing components to be assembled, disassembled and reused.



BIODIVERSITY

AMBER has developed a framework and tools to help restore local river ecosystems by applying adaptive management to the operations of dams and barriers in EU rivers.



SUSTAINABLE FOOD 'FARM TO FORK'

REFRESH prevents and reduces avoidable food waste across the supply chain by using insights from behavioural science to encourage better decision-making by industry and consumers.



HEALTHY OCEANS AND BLUE ECONOMY

MUSICA aims to decarbonise the electricity production of small islands using renewable energy. This will provide affordable electricity and energy storage systems, and support fresh water desalination and aquaculture.



BIO-BASED INDUSTRIES

FIRST2RUN demonstrated the technological, economic and environmental sustainability of a first-of-kind value chain for bio-based products, in partnership with local communities. Low-input and underutilised oil crops are converted into, inter alia, bioproducts, animal feed and energy.



SOCIAL INNOVATION

SPARCs works with cities to develop solutions for the transition to a citizen-centred, zero-carbon and resource-efficient economy.



ZERO-POLLUTION

DownToTen described the nature and characteristics of nanoparticles (<23 nm), and set up a demonstrator with sampling and measurement methodology. This led to novel measurement technology to support future regulation on particle emissions.



INDUSTRY AND CIRCULAR ECONOMY

E-Ferry is the world's best performing, 100% electric ferry, powered only by batteries. An E-Ferry operates between the Danish mainland and the island of Aero. It travels over 22 nautical miles, paving the way for similar ferry connections.



SUSTAINABLE INVESTMENT AGENDAS

Lactips makes water-soluble plastic packaging from milk by-products. Their first product on the market is a 100% bio-based and fully biodegradable soluble film for use in the detergent industry. Lactip received €1.5 million from the EIC and raised €3.7 million from private investment.



ENERGY

BIOSKOH demonstrates that second generation bio-ethanol can be produced at a lower and more economically viable price using abundant, secure, ILUC (indirect land use change)-free biomass. Using abandoned infrastructure in Slovakia, it converts side-streams into renewable energy.

More information on the projects funded by
Horizon 2020 is available at cordis.europa.eu