



APRE

Agenzia per la Promozione
della Ricerca Europea

HORIZON EUROPE: INTRO TO CLUSTER 6

10/06/2021

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APRE



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- National Contact Point for Societal Challenge 5 «Smart, green and integrated transport» - Horizon 2020



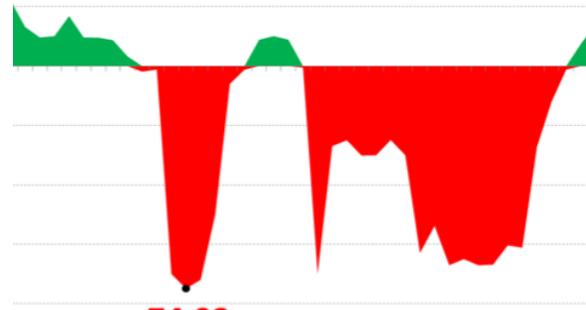
Policy background



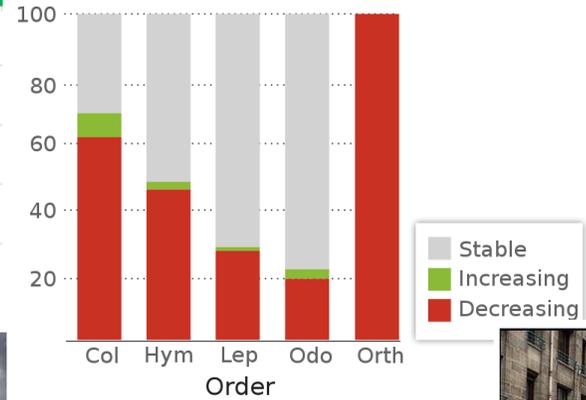
We are living the environmental & social changes



Apr	Handelssumme in €	-10,179,971	3,347,507	-17,010
Mai		-23.253.177		-26.600
Apr	Börsenwert in €/MWh	-12,90	12,30	-36,3
Mai		-28,90	18,10	-42,5



Percent of IUCN-documented insect species



SUSTAINABLE DEVELOPMENT GOALS





The European Green Deal

Presented in 2nd week after taking office



Our European Growth Strategy
U. v.d. Leyen

The EU as a global leader

A European Climate Pact



Green Deal core policies – Investment Plan

14-1-20 Sustainable Europe Investment Plan –
European Green Deal Investment Plan

https://ec.europa.eu/regional_policy/en/newsroom/news/2020/01/14-01-2020-financing-the-green-transition-the-european-green-deal-investment-plan-and-just-transition-mechanism

Investment Plan

- 🔗 Proposal for a just transition mechanism
- 🔗 Mobilising 1 trillion investments over 10 years for sustainability transition
- 🔗 EIB as European ‘Climate Bank’
- 🔗 Announces Horizon 2020 Green Deal Call (€1bn)



Green Deal core policies – Climate law

14-1-20 Sustainable Europe Investment Plan –
European Green Deal Investment Plan

A strong social Europe for just transitions (Just
transition fund)

4-3-20 **European Climate Law**

https://ec.europa.eu/clima/policies/eu-climate-action/law_en

The climate law proposal

- 🔗 to write into a law the goal of EU's climate neutrality by 2050 through all policies, in a socially-fair and cost-efficient manner
- 🔗 a **new EU target for 2030** greenhouse gas emissions reductions
- 🔗 a **2030-2050 EU-wide trajectory** for greenhouse gas emission reductions (industries: see also '**A clean planet for all**' – EU long term climate strategy COM(2018)773)
- 🔗 to develop and implement adaptation strategies to strengthen resilience **and reduce vulnerability to the effects of climate change**



Green Deal core policies – Circular economy

14-1-20 Sustainable Europe Investment Plan – European Green Deal Investment Plan

A strong social Europe for just transitions (Just transition fund)

4-3-20 European Climate Law

10-3-20 **A New Industrial Strategy for Europe**

An SME Strategy for a sustainable and digital Europe

A new Circular Economy Action Plan

https://ec.europa.eu/environment/circular-economy/index_en.htm

Circular economy action plan

🔗 35 proposed measures, mainly legislative

🔗 Core sectors: Electronics and ICT, textiles, plastics, food & packaging, waste

Product policy framework (for example)

🔗 Legislative and non-legislative measures establishing a new “right to repair”

🔗 Legislative proposal on substantiating green claims

Skills development for a circular economy transition



Green Deal core policies – Biodiversity / Farm2fork strategies

17-12-19 Annual Sustainable Growth Strategy 2020

(..)

20-5-20 **Farm2Fork' & 'Biodiversity Strategy'**

https://ec.europa.eu/food/sites/food/files/safety/docs/f2f_action-plan_2020_strategy-info_en.pdf

https://ec.europa.eu/environment/nature/biodiversity/strategy/index_en.htm



Biodiversity strategy for 2030

Objectives

The strategy aims to build our societies' resilience to future threats such as

- the impacts of climate change
- forest fires
- food insecurity
- disease outbreaks – including by protecting wildlife and fighting illegal wildlife trade

Actions

➤ Establish protected areas for at least:



30%
of land in
Europe



30%
of sea in
Europe

➤ Restore degraded ecosystems at land and sea



Increasing organic farming and biodiversity-rich landscape features on agricultural land



Halting and reversing the decline of pollinators



Restoring at least 25 000 km of EU rivers to a free-flowing state



Reducing the use and risk of pesticides by 50% by 2030



Planting 3 billion trees by 2030



Farm2Fork

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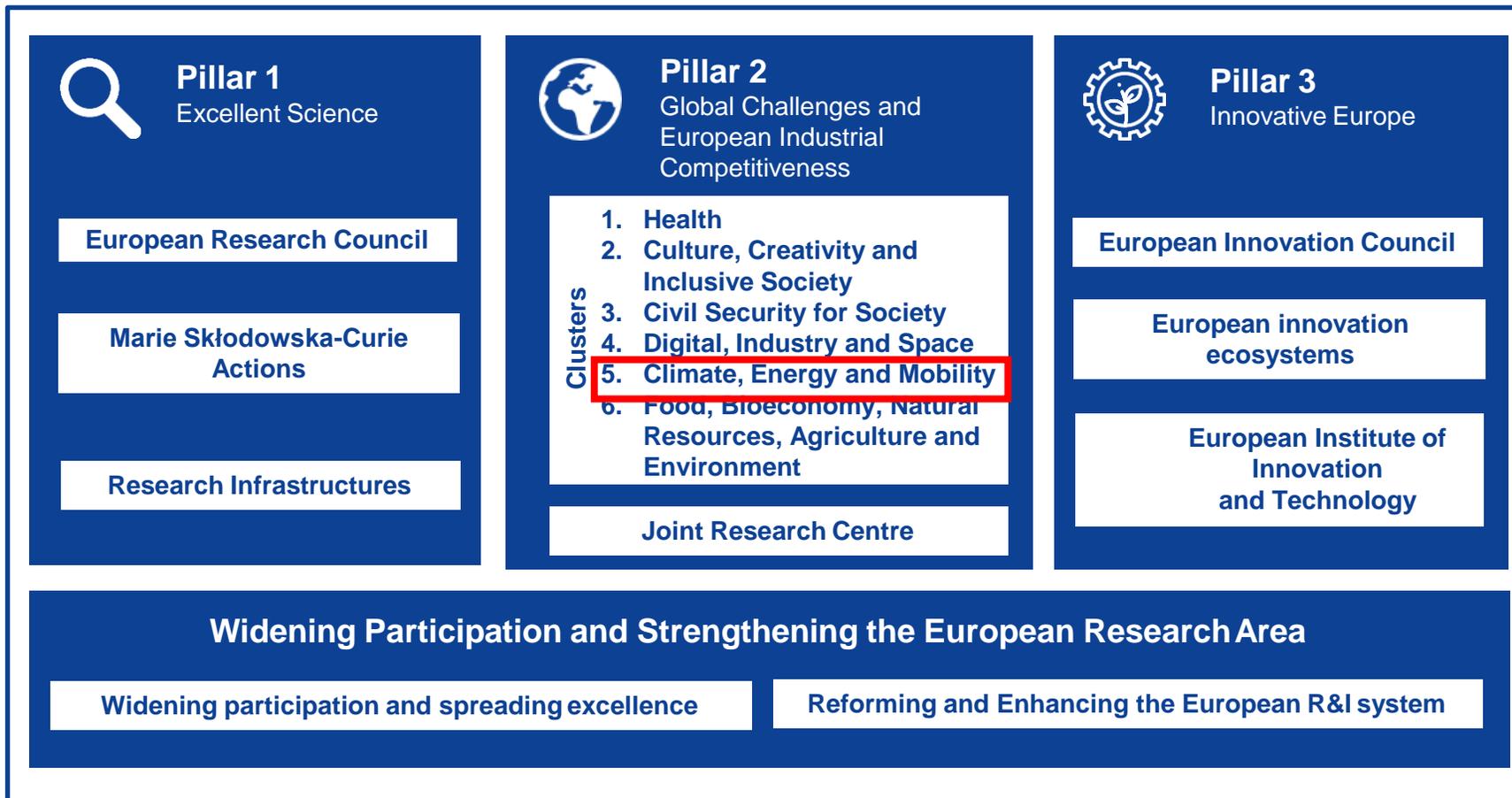
- Horizon Europe supports R&I on food, bioeconomy, natural resources, agriculture, fisheries, aquaculture and the environment as well as the use of digital technologies and nature-based solutions for agri-food.
- A **key area of research** will relate to microbiome, food from the oceans, urban food systems, as well as increasing the availability and source of alternative proteins such as plant, microbial, marine and insect-based proteins and meat substitutes.
- The EU will focus its **international cooperation** on food R&I, with particular reference to agro-ecology; sustainable landscape management and land governance; conservation and sustainable use of biodiversity; inclusive and fair value chains; nutrition and healthy diets; prevention of and response to food crises; integrated pest management; plant and animal health and welfare, and food safety standards, and antimicrobial resistance.



Cluster 6
in
Horizon Europe



Horizon Europe



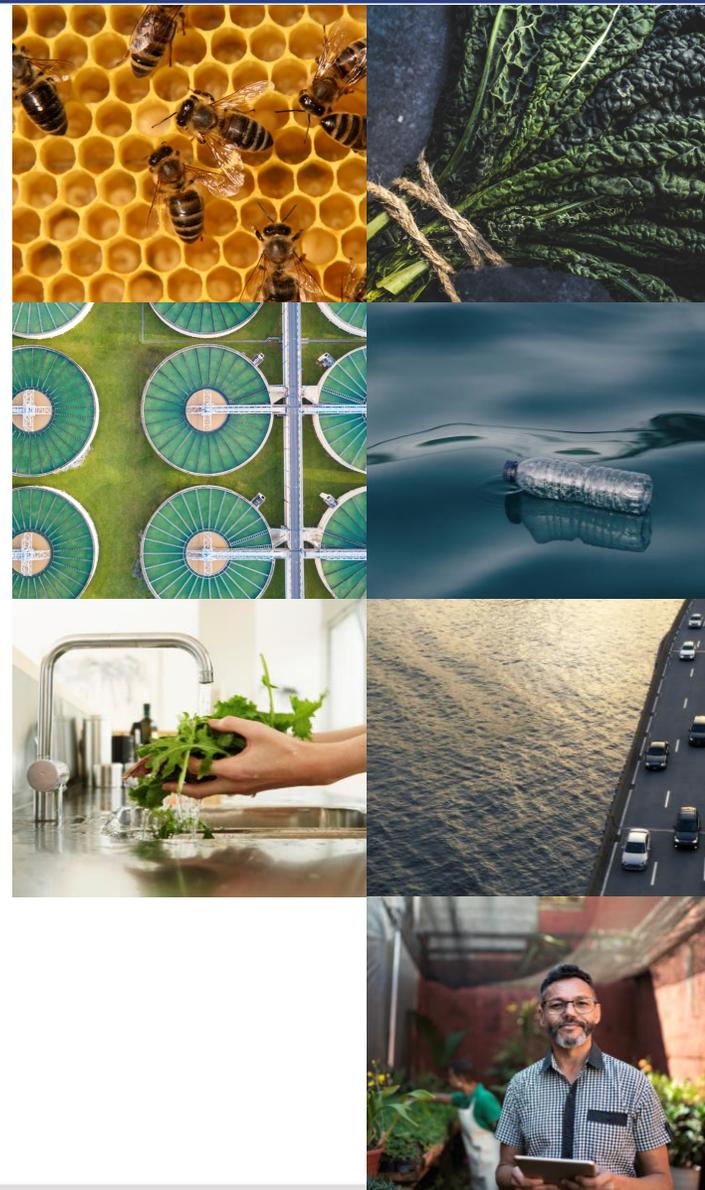
CL6: Food, bioeconomy, natural resources, agriculture and environment

- aims at reducing **environmental degradation**, halting and reversing the decline of **biodiversity** on land, inland waters and sea and better managing **natural resources** through social and economic changes in both urban and rural areas.
- will ensure **food and nutrition security** for all through knowledge, innovation and digitalisation in agriculture, fisheries, aquaculture and food systems and accelerate the transition to a **circular economy** and sustainable bioeconomy, including forestry.
- R&I activities under CL6 will contribute to the objectives of the European Green Deal related to the Biodiversity Strategy to 2030, the Farm to Fork strategy, the European Climate Pact and initiatives under sustainable industry and eliminating pollution, as well as the long-term vision for rural areas, and the Sustainable Development Goals.



Intervention Areas

- ↗ Environmental Observation
- ↗ Biodiversity and natural resources
- ↗ Agriculture, Forestry and rural areas
- ↗ Seas, oceans and inland waters
- ↗ Food systems
- ↗ Biobased innovation systems in the EU Bioeconomy
- ↗ Circular systems





Key Strategic
Orientations
&
Expected impacts



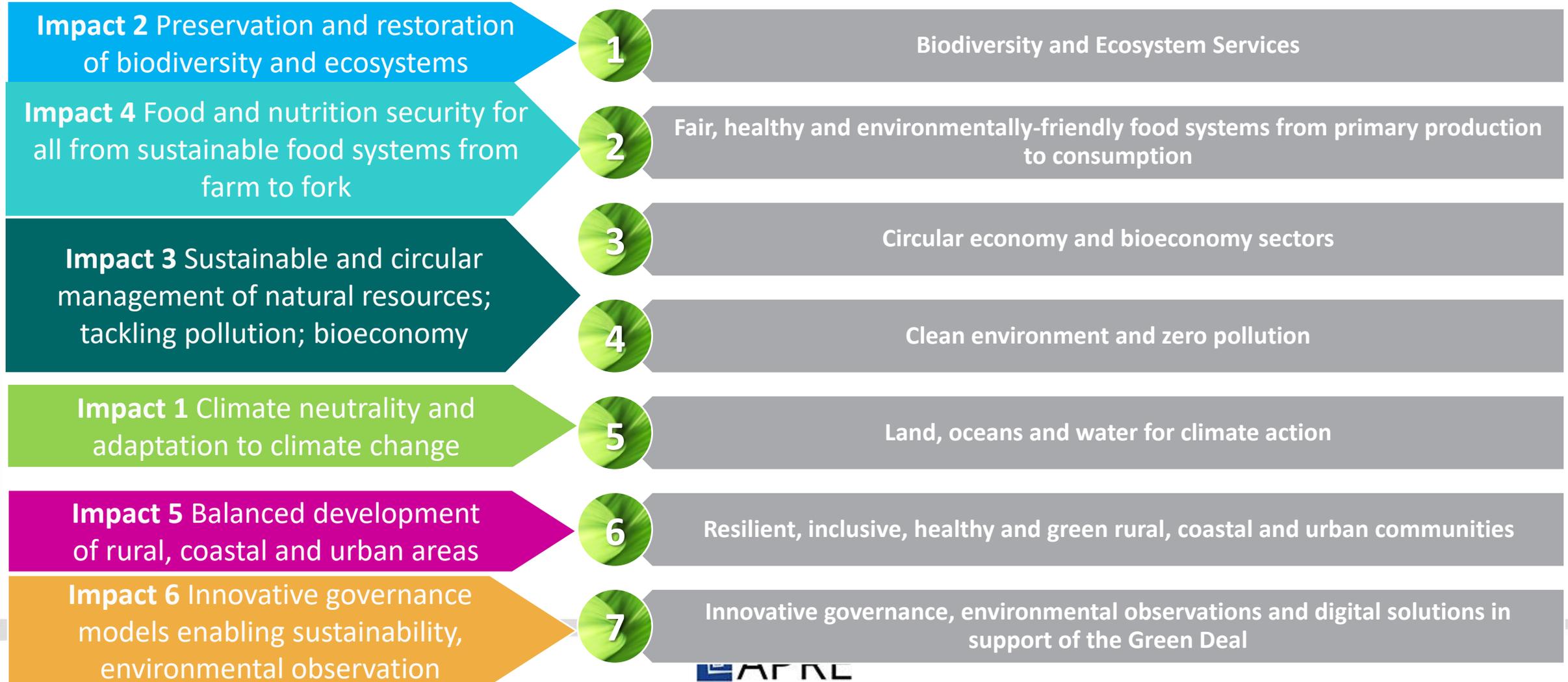
Activities in CL6 will contribute to the following key strategic orientations (KSOs):

- 🏠 promoting an open strategic autonomy by leading the development of key digital and enabling technologies, sectors and value chains to **accelerate and steer the digital and green transitions** through human-centred technologies and innovations;
- 🏠 **restoring Europe's ecosystems and biodiversity**, and managing sustainably natural resources to ensure food security and a clean and healthy environment;
- 🏠 making Europe the first digitally led **circular, climate-neutral and sustainable economy** through the transformation of its [...] production systems;
- 🏠 creating a more resilient, inclusive and democratic **European society, prepared and responsive to threats and disasters**, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions.



CL6 Destinations - Work Programme 2021-22

All actions funded under CL6 destinations must therefore help to deliver these main impacts.





The Cluster 6 Work Programme 2021-22

DISCLAIMER: Information included in this presentation on Cluster 6 work programme 2021 2022 is provisional since it has not been adopted nor endorsed by the European Commission.

EN

Annex IX

Horizon Europe

Work Programme 2021-2022

9. Food, Bioeconomy, Natural Resources, Agriculture and
Environment

DISCLAIMER

This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission. The information transmitted is intended only for the Member State or entity to which it is addressed for discussions and may contain confidential and/or privileged material.

The Work Programme (WP) is

- 🔗 a document downloadable from the European Commission Funding and Tender Opportunities Portal:
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=HORIZON>
- 🔗 Including all the calls for proposals open in a given time [the current WP covers 2021-22]



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- Destinations are groups of Calls for proposals
- Calls for proposals are groups of Topics



HORIZON-CL6-2021-BIODIV-01-13: Breeding for resilience: focus on root-based traits

Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 8.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 16.00 million.
<i>Type of Action</i>	Research and Innovation Actions

Expected Outcome: In line with the objectives of the biodiversity and farm to fork strategies, a successful proposal will support the transition to more sustainable practices in agriculture by reducing the need for external inputs and supporting biodiversity in agroecosystems.

The project results are expected to contribute to all of the following expected outcomes:

- A better understanding of root-based traits (including the capacity to establish beneficial interactions with soil biota) and their genotypic variability as well as increased insight into the (adaptive) phenotypic plasticity of roots;
- Enhanced capacities for root phenotyping under controlled and on-field conditions;
- The delivery of strategies for breeding for below-ground traits capitalising on more effective interactions between plants and microorganisms in the rhizosphere;
- An increased use and valorisation of genetic resources (in situ and ex situ) for root based traits.

On the longer term projects will contribute to: the development of crops (annual and perennial) and forest trees that are more tolerant to abiotic stress conditions, require less external inputs (e.g. fertilisers and pesticides) and show an increased capacity for carbon sequestration, thereby contributing to adaptation of agriculture and forestry to climate change.

Scope: With increasing effects of climate change and a shift towards low(er) input production systems, there is the need for crops that are capable of capturing resources more efficiently and are resilient to abiotic stresses.

The root system and its interaction with soil biota is crucial for nutrient and water acquisition as well as for the capacity of plants to adapt to changing environments and to be more tolerant against pests and diseases. Phenotypic plasticity is key for plants to respond to varying soil conditions and highly dynamic distribution of soil resources. The size and architecture of the root system also determine the allocation of carbon in the soil. Breeding for root traits is therefore a promising strategy to increase plant stress resilience while also enhancing soil carbon sequestration.

Proposals should:

- Identify root traits that increase resource efficiency of plants in different environments, taking into account beneficial plant – microbe interactions and the restitution of plant-fixed carbon to the soil;
- Increase our knowledge on the (molecular and biochemical) plasticity of root responses and their metabolic mechanisms to environmental cues;
- Improve existing and/or develop new root phenotyping tools (including image analysis protocols) to be used in controlled and on-field conditions, thereby overcoming the root data bottleneck;
- Develop strategies to implement “root breeding”, i.e. select for desirable root characteristics and exploit the genetic variation in root traits.

Activities should be carried out in a range of agronomically relevant soil conditions.

In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content is not a mandatory requirement.

Topic title

Type of Action
Specifies what kind of activities are to be performed

Expected outcomes
specifies the positive effects generated by the actions

Scope
specifies the focus and the boundaries of the potential action



Eligible activities (Main types of action)

RESEARCH AND INNOVATION ACTION (RIA)

Activities aiming primarily to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution.

This may include basic and applied research, technology development and integration, testing, demonstration and validation on a small-scale prototype in a laboratory or simulated environment.

Funding rate: 100% of eligible costs

INNOVATION ACTION (IA)

Activities directly aimed at producing plans and arrangements or designs for new, altered or improved products, processes or services, possibly including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

Funding rate: 70% (except for non-profit legal entities, where the funding rate is up to 100%) of the total eligible costs

COORDINATION AND SUPPORT ACTION (CSA)

Activities contributing to the objectives of the Horizon Europe Programme, excluding R&I activities (e.g. networking, awareness raising, coordination, stakeholder engagement)

Funding rate: 100% of the total eligible costs



CL6 Work Programme 2021-2022 - budget distribution per destination

Destination	Number of topics	Budget mln EUR]	% Share
D1 Biodiversity and ecosystem services	36	375,5	20%
D2 Fair, healthy and environmentally-friendly food systems from primary production to consumption	39	416,5	22%
D3 Circular economy and bioeconomy sectors	22	268,5	14%
D4 Clean environment and zero pollution	14	116	6%
D5 Land, oceans and water for climate action	16	193	10%
D6 Resilient, inclusive, healthy and green rural, coastal and urban communities	13	128	7%
D7 Innovative governance, environmental observations and digital solutions in support of the GreenDeal	43	370	19%
Other actions	12	38,5	2%
Total	198	1906	100%



Cluster 6 WP calls structure

DESTINATION	Call Id 2021 one stage	Call Id 2022 one stage	Call Id 2022 two stage
Biodiversity and Ecosystem Services	HORIZON-CL6-2021-BIODIV-01 HORIZON-CL6-2021-BIODIV-02	HORIZON-CL6-2022-BIODIV-01	HORIZON-CL6-2022-BIODIV-02-two-stage
Fair, healthy and environmentally-friendly food systems from primary production to consumption	HORIZON-CL6-2021-FARM2FORK-01	HORIZON-CL6-2022-FARM2FORK-01	HORIZON-CL6-2022-FARM2FORK-02-two-stage
Circular economy and bioeconomy sectors	HORIZON-CL6-2021-CircBio-01	HORIZON-CL6-2022-CircBio-01	HORIZON-CL6-2022-CircBio-02-two-stage
Clean environment and zero pollution	HORIZON-CL6-2021-ZEROPOLLUTION-01	HORIZON-CL6-2022-ZEROPOLLUTION-01	
Land, oceans and water for climate action	HORIZON-CL6-2021-CLIMATE-01	HORIZON-CL6-2022-CLIMATE-01	
Resilient, inclusive, healthy and green rural, coastal and urban communities	HORIZON-CL6-2021-COMMUNITIES-01	HORIZON-CL6-2022-COMMUNITIES-01	HORIZON-CL6-2022-COMMUNITIES-02-two-stage
Innovative governance, environmental observations and digital solutions in support of the Green Deal	HORIZON-CL6-2021-GOVERNANCE-01	HORIZON-CL6-2022-GOVERNANCE-01	

Destination 1: Biodiversity and ecosystem services

- ▣ All topics will directly contribute to the EU biodiversity strategy for 2030
- ▣ Understanding biodiversity decline
- ▣ Valuing and restoring biodiversity and ecosystem services
- ▣ Managing biodiversity in primary production
- ▣ Enabling transformative change on biodiversity
- ▣ Interconnecting biodiversity research and supporting policies including **European Partnership Rescuing Biodiversity to Safeguard Life on Earth** starting in 2021 (Programme co fund action)





Topics 2021- Understanding biodiversity decline

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-BIODIV-01-01	European participation in global biodiversity genomics endeavours aimed at identifying all biodiversity on Earth	RIA	06/10/21	10.00 to 20.00	2
HORIZON-CL6-2021-BIODIV-01-02	Data and technologies for the inventory, fast identification and monitoring of endangered wildlife and other species groups	RIA	06/10/21	3.00 to 5.00	2
HORIZON-CL6-2021-BIODIV-01-03	Understanding and valuing coastal and marine biodiversity and ecosystems services	RIA	06/10/21	Around 16.00	1
HORIZON-CL6-2021-BIODIV-01-04	Assess and predict integrated impacts of cumulative direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services	RIA	06/10/21	Around 10.00	1



Topics 2021- Valuing and restoring biodiversity and ecosystem services

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	No PROJECTS TO BE FUNDED
HORIZON-CL6-2021-BIODIV-01-05	The economics of nature-based solutions: cost-benefit analysis, market development and funding	RIA	06/10/21	5.00	1
HORIZON-CL6-2021-BIODIV-01-06	Nature-based solutions, prevention and reduction of risks and the insurance sector	CSA	06/10/21	4.00	1
HORIZON-CL6-2021-BIODIV-01-07	Ecosystems and their services for an evidence-based policy and decision-making	RIA	06/10/21	13.00	1
HORIZON-CL6-2021-BIODIV-01-08	Supporting the development of a coherent and resilient Trans-European Nature Network	IA	06/10/21	10.00	1
HORIZON-CL6-2021-BIODIV-01-09	Assessing and consolidating recent scientific advances on freshwater ecosystem restoration	CSA	06/10/21	0.50	1
HORIZON-CL6-2021-BIODIV-01-10	Demonstration of measures and management for coastal and marine ecosystems restoration and resilience in simplified socio-ecological systems	IA	06/10/21	10.00	1
HORIZON-CL6-2021-BIODIV-01-11	What else is out there? Exploring the connection between biodiversity, ecosystems services, pandemics and epidemic risk	RIA	06/10/21	4.00 - 6.00	2
HORIZON-CL6-2021-BIODIV-01-12	Improved science based maritime spatial planning and identification of marine protected areas	RIA	06/10/21	3.00 - 4.00	2



Topics 2021- Managing biodiversity in primary production

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-BIODIV-01-13	Breeding for resilience: focus on root-based traits	RIA	06/10/21	Around 8.00	2
HORIZON-CL6-2021-BIODIV-01-14	Fostering organic crop breeding	IA	06/10/21	Around 5.00	2



Topics 2021- Enabling transformative change on biodiversity

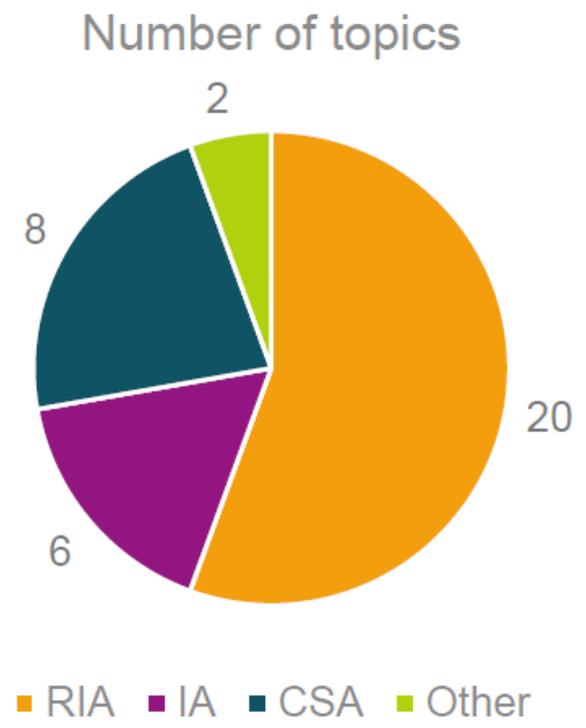
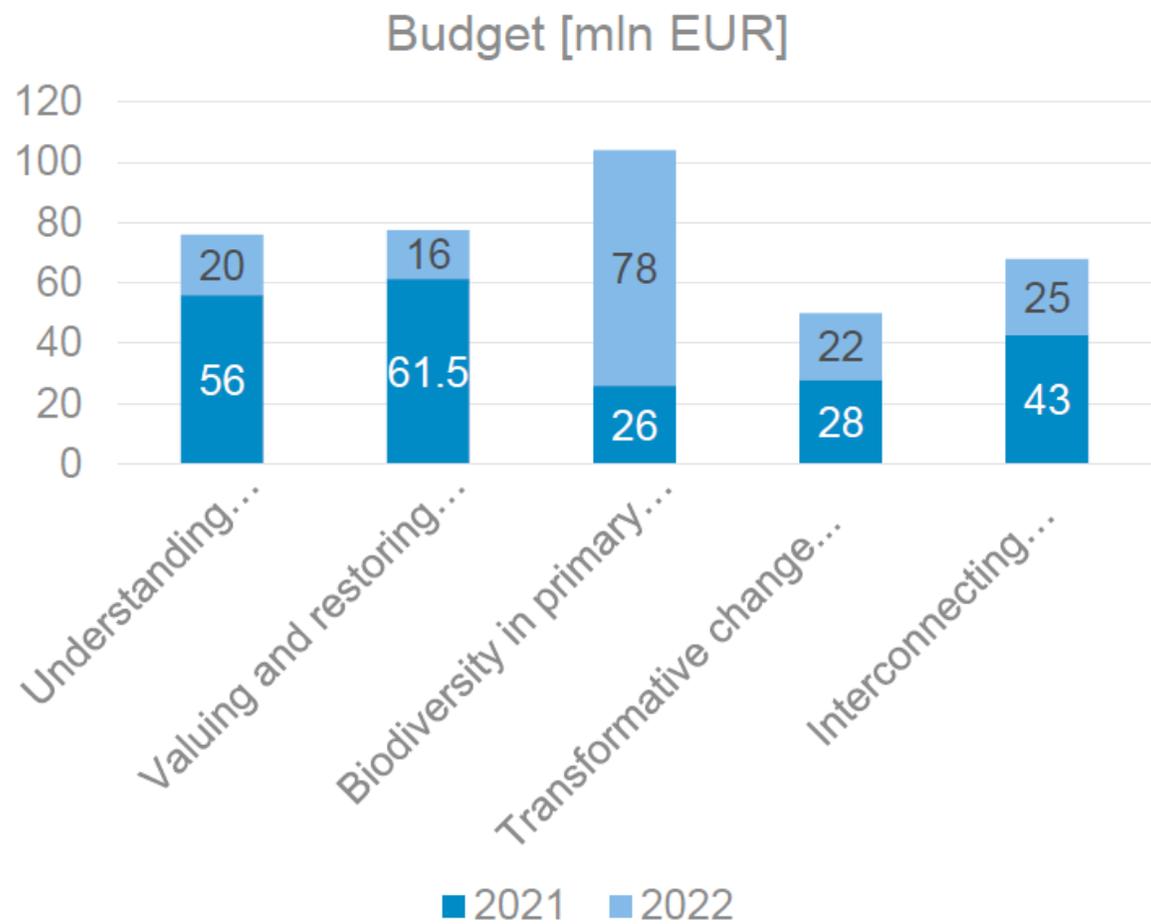
TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-BIODIV-01-15	Quantify impacts of the trade in raw and processed biomass on ecosystems, for offering new leverage points for biodiversity conservation, along supply chains, to reduce leakage effects	RIA	06/10/21	2.00 to 3.00	4
HORIZON-CL6-2021-BIODIV-01-16	Biodiversity, water, food, energy, transport, climate and health nexus in the context of transformative change	RIA	06/10/21	Around 5.00	1
HORIZON-CL6-2021-BIODIV-01-17	Policy mixes, governance (including financing) and decision-making tools for transformative action on biodiversity	RIA	06/10/21	2.00 to 3.00	3
HORIZON-CL6-2021-BIODIV-01-18	Understanding the impacts of and the opportunities offered by digital transformation, new emerging technologies and social innovation on biodiversity	RIA	06/10/21	2.00 to 3.00	2



Topics 2021- Interconnecting biodiversity research and supporting policies

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-BIODIV-01-19	A mechanism for science to inform implementation, monitoring, review and ratcheting up of the new EU biodiversity strategy for 2030 ('Science Service')	CSA	06/10/21	11.00 to 13.00	1
HORIZON-CL6-2021-BIODIV-01-20	Support to processes triggered by IPBES and IPCC	CSA	06/10/21	Around 5.00	1
HORIZON-CL6-2021-BIODIV-01-21	Impact and dependence of business on biodiversity	RIA	06/10/21	2.00 to 3.00	2

Destination: Biodiversity and ecosystem services





Destination 2: Fair, healthy and environmentally friendly food systems from primary production to consumption

- 🏹 All topics will directly contribute to the EU farm to fork strategy
- 🏹 Enabling sustainable farming
- 🏹 Enabling sustainable fisheries and aquaculture
- 🏹 Transforming food systems for health, sustainability and inclusion
- 🏹 Targeted international cooperation



Topics 2021- Enabling sustainable farming



TOPIC CODE	TOPIC TITLE	TOA	DEADLINE -TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS TO BE FUNDED
HORIZON-CL6-2021-FARM2FORK-01-01	Reaching the farm to fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe	RIA	06/10/21	Around 4.00	1
HORIZON-CL6-2021-FARM2FORK-01-02	Developing sustainable and competitive land-based protein crop systems and value chains	IA	06/10/21	Around 9.00	1
HORIZON-CL6-2021-FARM2FORK-01-03	Digitalisation as an enabler of agroecological farming systems	CSA	06/10/21	Around 2.00	1
HORIZON-CL6-2021-FARM2FORK-01-04	Tackling outbreaks of plant pests	RIA	06/10/21	Around 7.00	2
HORIZON-CL6-2021-FARM2FORK-01-05	Animal welfare 2.0	RIA	06/10/21	Around 8.00	1
HORIZON-CL6-2021-FARM2FORK-01-06	Vaccines and diagnostics for priority animal diseases	IA	06/10/21	Around 6.00	2
HORIZON-CL6-2021-FARM2FORK-01-07	R&I roadmap for blockchain technologies in the agri-food sector	CSA	06/10/21	Around 3.00	1
HORIZON-CL6-2021-FARM2FORK-01-08	Uncovering lock-ins and levers to encourage farmers to move to and stay in sustainable, climate-neutral and biodiversity-friendly farming systems: from experiments to systemic mechanisms	RIA	06/10/21	Around 4.00	3
HORIZON-CL6-2021-FARM2FORK-01-09	Towards an EU approach to assess and internalise positive and negative externalities of food for incentivising sustainable choices	RIA	06/10/21	Around 8.00	1



Topics 2021- Enabling sustainable fisheries and aquaculture

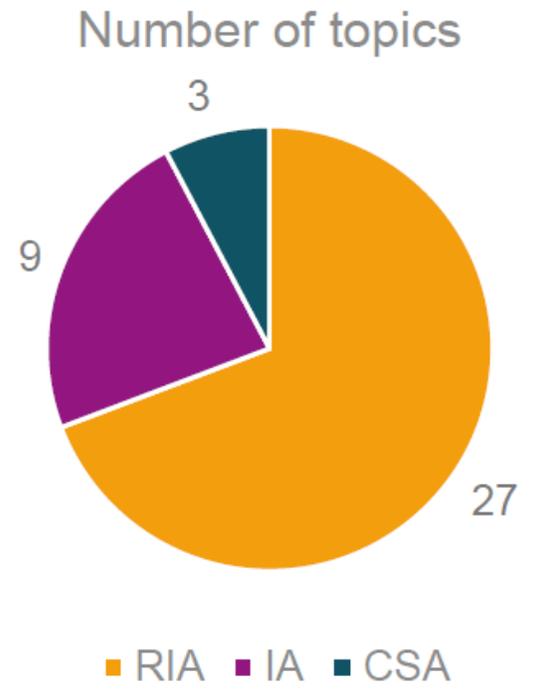
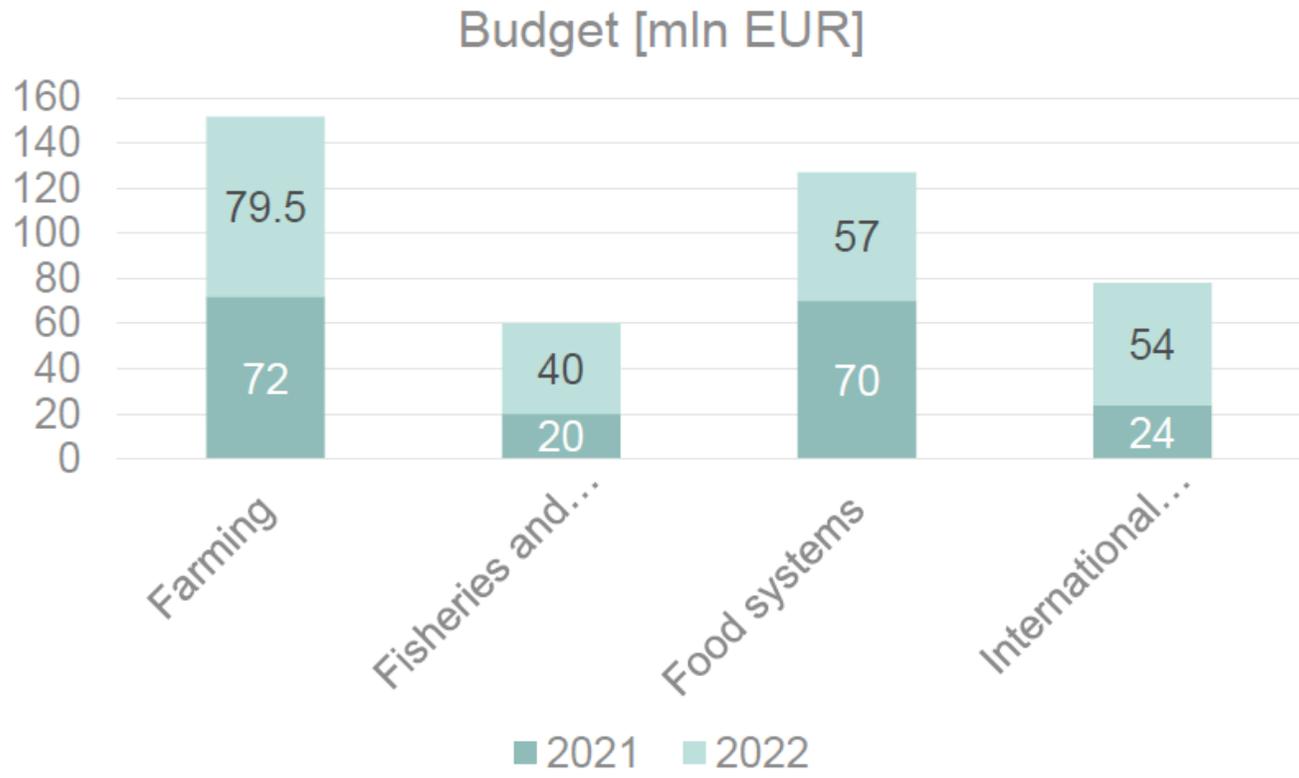
TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-FARM2FORK-01-10	Sea to fork transparency and consumer engagement	IA	06/10/21	Around 5.00	2
HORIZON-CL6-2021-FARM2FORK-01-11	Digital transition supporting inspection and control for sustainable fisheries	IA	06/10/21	Around 5.00	2
HORIZON-CL6-2021-FARM2FORK-01-12	Filling knowledge gaps on the nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift	RIA	06/10/21	Around 11.00	1
HORIZON-CL6-2021-FARM2FORK-01-13	Evidence-based decision-making to change social norms towards zero food waste	RIA	06/10/21	6.00 to 7.00	2
HORIZON-CL6-2021-FARM2FORK-01-14	Microbes for healthy and sustainable food and diets	RIA	06/10/21	Around 12.00	1
HORIZON-CL6-2021-FARM2FORK-01-15	Transition to healthy and sustainable dietary behaviour	RIA	06/10/21	Around 12.00	1
HORIZON-CL6-2021-FARM2FORK-01-16	Identification, assessment and management of existing and emerging food safety issues	RIA	06/10/21	Around 6.00	2
HORIZON-CL6-2021-FARM2FORK-01-17	Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets	IA	06/10/21	Around 11.00	1



Topics 2021- Targeted international cooperation

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-FARM2FORK-01-18	One Health approach for Food Nutrition Security and Sustainable Agriculture	RIA	06/10/21	Around 6.00	3
HORIZON-CL6-2021-FARM2FORK-01-19	EU-China international cooperation on integrated pest management in agriculture	RIA	06/10/21	Around 6.00	1

Destination: Fair, healthy and environmentally friendly food systems from primary production to consumption



Destination 3: Circular economy and bioeconomy sectors



- ▣ Enabling a circular economy transition
- ▣ Innovating sustainable bio based systems and the bioeconomy
- ▣ Safeguarding the multiple functions of EU forests
- ▣ Innovating for blue bioeconomy and biotechnology value chains



Topics 2021- Enabling a circular economy transition

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE -TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-CIRCBIO-01-01	Circular Cities and Regions Initiative (CCRI)'s circular systemic solutions	IA	06/10/21	5.00 to 10.00	3
HORIZON-CL6-2021-CIRCBIO-01-02	Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)	CSA	06/10/21	0.40 to 2.00	6
HORIZON-CL6-2021-CIRCBIO-01-03	Innovative solutions to over-packaging and single-use plastics, and related microplastic pollution	IA	06/10/21	5.00 to 7.00	3
HORIZON-CL6-2021-CIRCBIO-01-04	Increasing the circularity in textiles, plastics and/or electronics value chains	IA	06/10/21	6.00 to 8.00	3
HORIZON-CL6-2021-CIRCBIO-01-05	Novel, non-plant biomass feedstocks for industrial applications	IA	06/10/21	Around 6.00	2
HORIZON-CL6-2021-CIRCBIO-01-06	Contained biomass solutions for sustainable and zero-Indirect Land Use Change production systems for high value applications	IA	06/10/21	Around 5.00	2
HORIZON-CL6-2021-CIRCBIO-01-07	Microbiomes for bio-based innovation and environmental applications	IA	06/10/21	Around 6.00	1
HORIZON-CL6-2021-CIRCBIO-01-08	Mainstreaming inclusive small-scale bio-based solutions in European rural areas	CSA	06/10/21	Around 3.00	3



Topics 2021- Innovating sustainable bio-based systems and the bioeconomy

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE -TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-CIRCBIO-01-05	Novel, non-plant biomass feedstocks for industrial applications	IA	06/10/21	Around 6.00	2
HORIZON-CL6-2021-CIRCBIO-01-06	Contained biomass solutions for sustainable and zero-Indirect Land Use Change production systems for high value applications	IA	06/10/21	Around 5.00	2
HORIZON-CL6-2021-CIRCBIO-01-07	Microbiomes for bio-based innovation and environmental applications	IA	06/10/21	Around 6.00	1
HORIZON-CL6-2021-CIRCBIO-01-08	Mainstreaming inclusive small-scale bio-based solutions in European rural areas	CSA	06/10/21	Around 3.00	3



Topics 2021- Innovating for blue bioeconomy and biotechnology value chains

TOPIC CODE	TOPIC TITLE	TOA	DEADLINE - TBC	BUDGET PER GRANT Mil €	NO OF PROJECTS EXPECTED TO BE FUNDED
HORIZON-CL6-2021-CIRCBIO-01-09	Unlocking the potential of algae for a thriving European blue bioeconomy	IA	06/10/21	Around 9.00	2



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