



HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME

2021 – 2027

CAROLINE POTTIER

HE Launch in Brazil

30 06 2021



HE CLUSTER 6

International cooperation opportunities in Cluster 6



HE Cluster 6 international cooperation opportunities

- The Communication of 18 May 2021 on the Global Approach to Research and Innovation defines the **“Europe's strategy for international cooperation in a changing world”**
- Cooperation with other countries is crucial to address **sustainability challenges** which are by definition global. International cooperation in Cluster 6 corresponds to strategic policy objectives with **EU international partners**.
- In Cluster 6 **multilateral as well as bilateral approaches** are supported.
- The first HE WP has just been adopted. Already in 2021 Cluster 6 calls, 32 topics expressly encourage international cooperation and have therefore been flagged for the EC policy priority 2019-2024 **“A stronger Europe in the world”** and more will follow in 2022.
- 3 topics explicitly mention the relevance of **cooperation with Brazil/Latin America** (*topics with identifiers in blue*)

Quick introduction to Cluster 6 intervention logic

Strategic Plan

Work Programme




Impact 1 Climate neutrality and adaptation to climate change

- Destination: Land, oceans and water for climate action



Impact 2 Preservation and restoration of biodiversity and ecosystems

- Destination: Biodiversity and ecosystem services



Impact 3 Sustainable and circular management of natural resources; tackling pollution; bioeconomy

- Destination: Circular economy and bioeconomy sectors
- Destination: Clean environment and zero pollution



Impact 4 Food and nutrition security for all from sustainable food systems from farm to fork

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



Impact 5 Balanced development of rural, coastal and urban areas

- Destination: Resilient, inclusive, healthy and green rural, coastal and urban communities



Impact 6 Innovative governance models enabling sustainability, environmental observation

- Destination: Innovative governance, environmental observations and digital solutions in support of the Green Deal



Cluster 6 WP 2021-2022: 2021 calls

Name of the destination	Call identifier	Opening date	Deadline	Number of topics
Biodiversity and Ecosystem Services	HORIZON-CL6-2021-BIODIV-01	22/06/2021	6/10/2021	21
	HORIZON-CL6-2021-BIODIV-02	22/06/2021	22/07/2021	1
Fair, healthy and environmentally-friendly food systems from primary production to consumption	HORIZON-CL6-2021-FARM2FORK-01	22/06/2021	6/10/2021	19
Circular economy and bioeconomy sectors	HORIZON-CL6-2021-CircBio-01	22/06/2021	6/10/2021	9
Clean environment and zero pollution	HORIZON-CL6-2021-ZEROPOLLUTION-01	22/06/2021	6/10/2021	10
Land, oceans and water for climate action	HORIZON-CL6-2021-CLIMATE-01	22/06/2021	6/10/2021	10
Resilient, inclusive, healthy and green rural, coastal and urban communities	HORIZON-CL6-2021-COMMUNITIES-01	22/06/2021	6/10/2021	6
Innovative governance, environmental observations and digital solutions in support of the Green Deal	HORIZON-CL6-2021-GOVERNANCE-01	22/06/2021	6/10/2021	28
TOTAL				104

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Pooling global efforts to tackle global challenges together: Ocean, All-Atlantic Ocean Research Alliance

In Cluster 6 WP:

- **HORIZON-CL6-2021-CLIMATE-01-03:** Key oceanic and polar processes driving regional & global climate change: (*direct contribution to All-Atlantic Ocean Research Alliance is expected*) (RIA)
- **HORIZON-CL6-2022-CLIMATE-01-02:** Understanding the ocean carbon cycle (RIA)
- **HORIZON-CL6-2021-BIODIV-01-03:** Understanding and valuing coastal and marine biodiversity and ecosystems services (RIA)
- **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)
- **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)
- **HORIZON-CL6-2021-BIODIV-01-12:** Improved science based maritime spatial planning and identification of marine protected areas (RIA)
- **HORIZON-CL6-2022-GOVERNANCE-01-02:** European Partnership for a climate neutral, sustainable and productive Blue Economy

“Multilateral research and innovation partnerships should be inspired by successful models such as the All-Atlantic Ocean Research Alliance”

“To strengthen international marine research and innovation cooperation and actively contribute to global initiatives such as the UN Decade of Ocean Science for Sustainable Development 2021-2030, the Commission will increase EU support to the All-Atlantic Ocean Research Alliance. In parallel, Arctic science will also remain a priority for the EU as an example of global leadership. “

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Leading global efforts towards a just green transition: Group on Earth Observations; environmental observation

“Group on Earth Observations (GEO). The Commission is the lead co-chair in 2021 of this global network in the area of earth observation. GEO has the capacity to connect government and academic institutions, data providers, businesses, engineers and citizens to create earth observation-based innovative solutions to global environmental, social and health challenges.”

In Cluster 6 WP:

- **HORIZON-CL6-2021-GOVERNANCE-01-14:** User-oriented solutions building on **environmental observation** to monitor critical ecosystems and biodiversity loss and vulnerability in the European Union (RIA)
- **HORIZON-CL6-2022-GOVERNANCE-01-07:** New technologies for acquiring in-situ observation datasets to address climate change effects (IA)
- **HORIZON-CL6-2021-GOVERNANCE-01-16:** Tools to support the uptake and accessibility/exploitability of **environmental observation** information at European and global level (IA)
- **HORIZON-CL6-2021-GOVERNANCE-01-17:** Common European Green Deal data space to provide more accessible and exploitable **environmental observation** data in support of the European Green Deal priority actions (IA)

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Leading global efforts towards a just green transition: bio-based systems /International Bio-economy Forum

“Under the umbrella of the Bioeconomy strategy, the Commission will stimulate a more innovative, resource efficient and competitive society that reconciles food and nutrition security with the sustainable use of renewable resources for industrial purposes, while ensuring environmental protection. In the framework of the EU Farm-to-Fork strategy, the Commission will foster cooperation at global level in agricultural research on priority areas such as soil health, and food systems and will assess the feasibility of an international platform for food systems science in view of the UN’s 2021 Food Systems Summit.”

In Cluster 6 WP:

HORIZON-CL6-2021-FARM2FORK-01-04: Tackling outbreaks of plant pests (RIA)

HORIZON-CL6-2021-FARM2FORK-01-06: Vaccines and diagnostics for priority animal diseases (IA)

HORIZON-CL6-2021-FARM2FORK-01-07: Research & innovation roadmap for blockchain technologies in the agri-food sector (CSA)

HORIZON-CL6-2021-FARM2FORK-01-10: Sea to fork transparency and consumer engagement (IA)

HORIZON-CL6-2021-FARM2FORK-01-12: Filling knowledge gaps on the nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift (RIA)

HORIZON-CL6-2021-FARM2FORK-01-14: Microbes for healthy and sustainable food and diets (RIA)

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Leading global efforts towards a just green transition: bio based systems /International Bio-economy Forum

“The Commission will also promote the work of the International Resource Panel (IRP), which it co-chairs. It provides advice on resource efficiency and the circular economy, crucial for the new EU Circular Economy Action Plan (CEAP), to operationalise the Global Alliance for Circular Economy and Resource Efficiency (GACERE) and to feed into the work of the G7 and G20”.

In Cluster 6 WP:

HORIZON-CL6-2021-CIRCBIO-01-06: Contained biomass solutions for sustainable and zero-Indirect Land Use Change (ILUC) production systems for high value applications (IA)

HORIZON-CL6-2021-CIRCBIO-01-07: Microbiomes for bio-based innovation and environmental applications (IA)

HORIZON-CL6-2021-ZEROPOLLUTION-01-08: New genomic techniques (NGT): understanding benefits and risks – focus on bio-based innovation (RIA)

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Leading global efforts towards a just green transition: biodiversity and ecosystem services

“The EU supports both the Intergovernmental Panel on Climate Change (IPCC) and the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)... The EU should promote synergies between the IPCC and IPBES in view of the interdependence between the climate change and biodiversity crises, taking also into account the EU Biodiversity Strategy for 2030”

In Cluster 6 WP in 2021:

HORIZON-CL6-2021-BIODIV-01-20: Support to processes triggered by IPBES and IPCC (CSA)

HORIZON-CL6-2021-BIODIV-02-01: European partnership rescuing biodiversity to safeguard life on Earth

HORIZON-CL6-2021-BIODIV-01-01: European participation in global biodiversity genomics endeavours aimed at identifying all biodiversity on Earth (RIA)

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)

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)

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Leading global efforts towards a just green transition: biodiversity and ecosystem services

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In Cluster 6 WP in 2022:

HORIZON-CL6-2022-BIODIV-01-03: Network for nature: multi-stakeholder dialogue platform to promote nature-based solutions (CSA)

HORIZON-CL6-2022-COMMUNITIES-01-05: Assessing the socio-politics of nature-based solutions for more inclusive and resilient communities (RIA)

HORIZON-CL6-2022-BIODIV-01-08: Assessing the nexus of extraction, production, consumption, trade and behaviour patterns and of climate change action on biodiversity in the context of transformative change (RIA)

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Leading global efforts towards a just green transition: climate

“The EU supports both the Intergovernmental Panel on Climate Change (IPCC) and the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). The Commission intends to showcase the EU’s work in support of climate science in the United Nations Climate Change Conference (COP26), to highlight EU’s role as a key enabler of the transition to climate neutrality and resilience...”

In Cluster 6 WP:

HORIZON-CL6-2021-BIODIV-01-20: Support to processes triggered by IPBES and IPCC (CSA)

HORIZON-CL6-2021-CLIMATE-01-03: Key oceanic and polar processes driving regional & global climate change (RIA)

HORIZON-CL6-2021-CLIMATE-01-02: European Partnership Water Security for the Planet (Water4All)

HORIZON-CL6-2021-CLIMATE-01-07: International Research Consortium on (agricultural) soil carbon (CSA)

HORIZON-CL6-2021-CLIMATE-01-08: Agroforestry to meet climate, biodiversity and farming sustainability goals (RIA)



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INFO DAYS

7 and 8 July 2021



INFO DAYS Cluster 6 brokerage Event: 9 July 2021

Registration open until 6 July at <https://he-cluster6.b2match.io/>



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