

Cluster 6 opportunities in Horizon Europe in 2024

Food, Bioeconomy, Natural Resources,
Agriculture and Environment

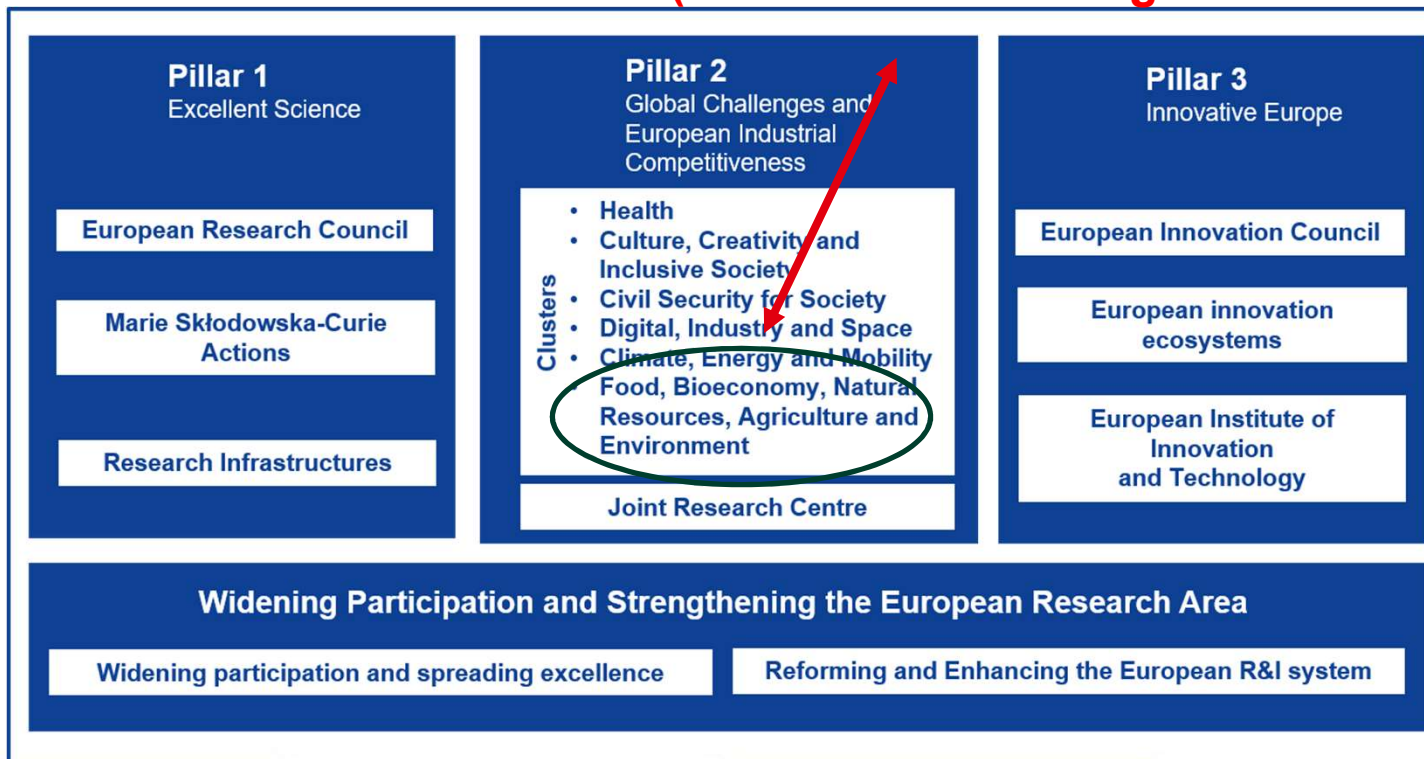
2024

Antoine Kieffer
French Cluster 6 NCP coordinator



Horizon Europe: overview

Cluster 6 (2024 indicative budget : 734 million euros)



Objectives:

Climate change and environmental degradation are an existential threat to Europe and the world. To overcome these challenges, the European Green Deal will transform the EU into a modern, resource-efficient and competitive economy, ensuring:

- no net emissions of greenhouse gases by 2050
- economic growth decoupled from resource use
- no person and no place left behind

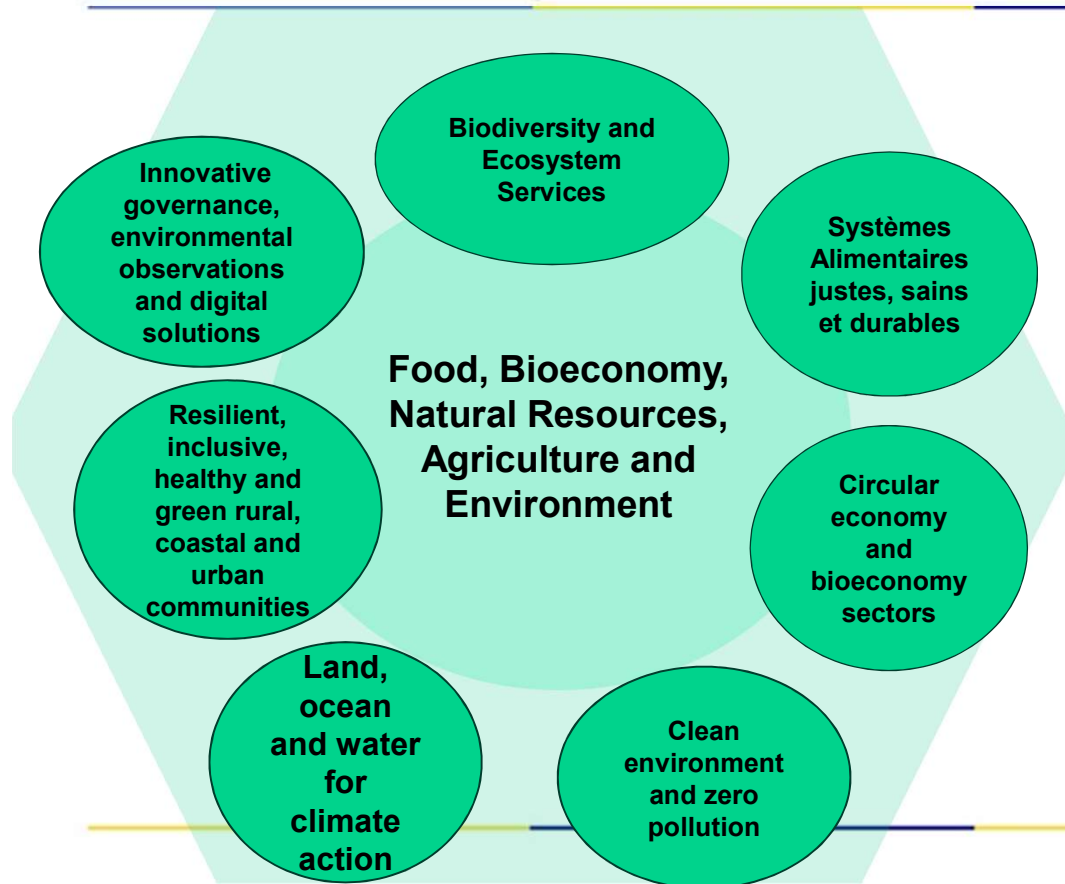


Introduction to Cluster 6 using keywords

Biodiversity	Environment / Zero pollution	Primary production	Sustainable agriculture, aquaculture and fisheries	Environmental observations	Forests	Blue bioeconomy
Ecosystemic services	Water, soil, sea, ocean	Sustainable products and processes	Inclusive, healthy and sustainable food systems	Bioeconomy	Circular economy	Digital solutions for the Green Deal
	Governance	Climate action	Bio-based value chains	Rural, urban and coastal areas	Transition	



The 7 Cluster 6 destinations (chapters)



Destination 1: Biodiversity and Ecosystem Services (BIODIV)

- Understand biodiversity decline
- Assess and restore biodiversity
- Biodiversity management in primary production
- Transforming biodiversity

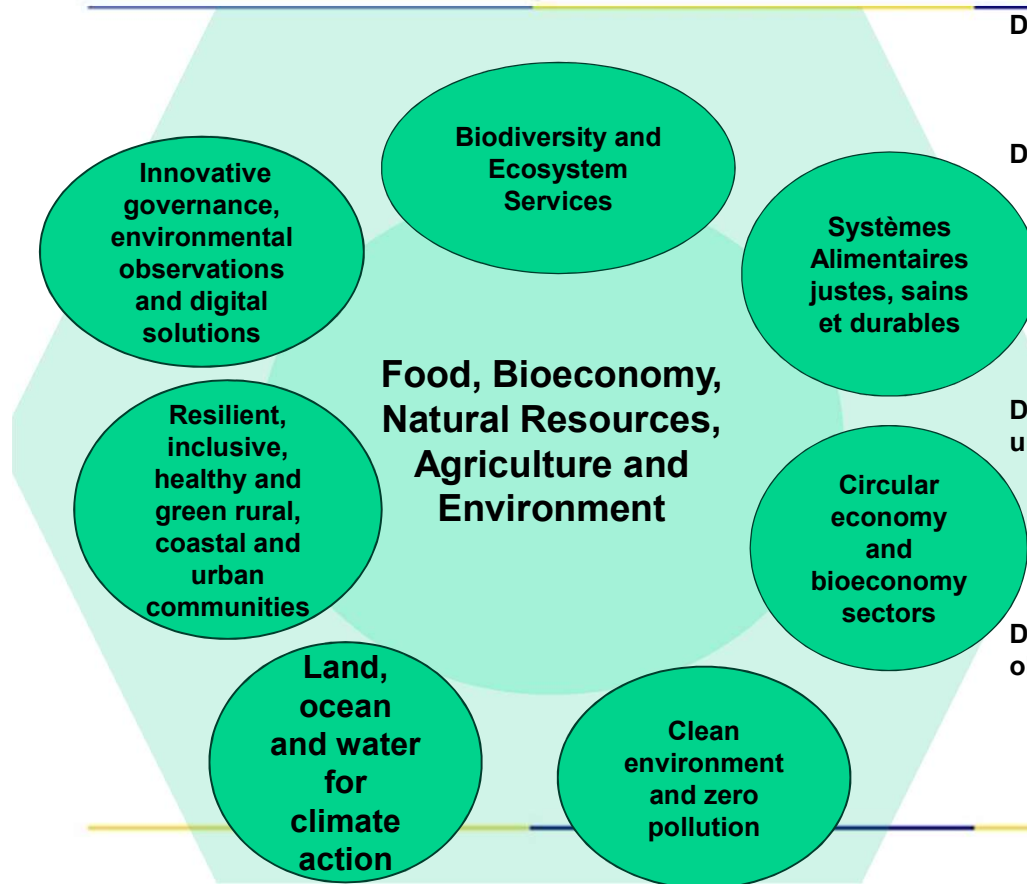
Destination 2: Fair, healthy and environment-friendly food systems from primary production to consumption (FARM2FORK)

- Transition towards a sustainable agriculture
- Sustainable aquaculture and fisheries
- Make the food systems healthy, sustainable and inclusive
- Focus on international cooperation

Destination 3: Circular economy and bioeconomy sectors (CIRCBIO)

- Transition towards more circular systems
- Innovate in biobased systems and bioeconomy
- Protect the versatility of European forests
- Innovate in Blue economy and biotechnology

The 7 Cluster 6 destinations (chapters)



Destination 4: Clean environment and zero pollution (ZEROPOLLUTION)

- Stop the emission of pollutants in soil and water
- Protect drinking water and manage urban water pollution
- Fight against sea and water pollution

Destination 5: Land, ocean and water for climate action (CLIMATE)

- Understand and reinforce the potential of ecosystems based on sustainable management of natural resources
- Develop advanced science to support the adaptation and resilience of natural ecosystems
- Evaluate and prepare efficient projections regarding climate change
- Improve adaptability and nature based solutions

Destination 6: Resilient, inclusive, healthy and green rural, coastal and urban communities (COMMUNITIES)

- Get a better understanding of behaviors and cultural drivers towards change in rural, coastal and urban communities
- Promote actions towards climate neutrality, including vulnerable populations
- Increase universal access to innovation and digital solutions

Destination 7: Innovative governance, environmental observations and digital solutions (GOVERNANCE)

- Innovate with governance schemes and supports to policies
- Déploiement et valeur ajoutée des observations environnementales Deployment and added value of environmental observations
- Digital tools and data sciences as catalysers
- Reinforce Agricultural Knowledge Innovation Systems

International cooperation in Cluster 6 of Horizon Europe

Relevance for Cluster 6



Transnational challenges, to be solved on a global level:

- Climate change,
- agriculture (ex. global trade),
- Erosion of biodiversity,
- pollution (ex. plastic in Ocean),
- Circular economy (ex. waste transportation), etc.

To achieve the international cooperation objectives, and **given the global dimension of agroecology**, collaboration with strategic third country partners with proven added-value in the

Given the global dimension of ocean policy, membership and other modalities of participation

To achieve the international cooperation objectives, and **given the global dimension, not least of animal health**, collaboration with strategic third country partners with proven added-value in

2 types of international cooperation in Cluster 6



Specific targeted chapters in the Work Programme
Mandatory

Only mentioned in the text of the calls
Usually isn't mandatory, often highly encouraged

Targeted international cooperation

In order to achieve the expected outcomes, international cooperation is mandatory. Consortia

Targeted international cooperation175

Recognise topics with international cooperation

- International cooperation is mentioned **explicitly**.
- The wording can however be **diverse**.

International cooperation	Level of cooperation.	Targeted stakeholders/countries
<ul style="list-style-type: none"> « International cooperation » « Global cooperation » « International cooperation options » « Cooperation with » « Collaboration with » « Borders », « Boundaries », « in EU and beyond » (implicite) 	<ul style="list-style-type: none"> « May be considered » « Is encouraged » « Is highly encouraged » « Is strongly encouraged » « Is mandatory » 	<ul style="list-style-type: none"> « In particular with » « Non-associated third countries » « Third country partners » « International organisations »

- If cooperation is **mandatory**, it is mentioned in the **eligibility conditions** of the topics.
- Even if the cooperation is not mentioned, it does not mean that it is forbidden, unless it is explicitly mentioned. Low/middle income countries are eligible for funding in all topics of Cluster 6.



Cluster 6 Work Programme

2024



2024 Call calendar

2024	2024 Two-stages
<p>Opening: 17 Oct 2023</p> <p>Deadline(s): 22 Feb 2024</p>	<p>Opening: 17 Oct 2023</p> <p>Deadline(s): 22 Feb 2024 (First Stage),</p> <p>17 Sep 2024 (Second Stage)</p>

Destination 1 : BIODIV

HORIZON-CL6-2024-BIODIV-01-1: Invasive alien species	IA - 12 M€ (2 projects) – TRL 6-7
HORIZON-CL6-2024-BIODIV-01-2: Digital for nature	IA - 16 M€ (2 projects) – TRL 6-7
HORIZON-CL6-2024-BIODIV-01-3: Dependence of society and the economy on pollinators	RIA - 13 M€ (2 projects)
HORIZON-CL6-2024-BIODIV-01-4: Biodiversity, economics and finance: Understanding macro-financial risks associated with biodiversity loss	RIA - 5 M€ (1 project)
HORIZON-CL6-2024-BIODIV-01-5: Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss	RIA – 4 M€ (2 projects)
HORIZON-CL6-2024-BIODIV-01-6: Promoting pollinator friendly farming systems	RIA- 6M€ (1 projet)
HORIZON-CL6-2024-BIODIV-01-7: Reintroduction of landscape features in intensive agricultural areas	RIA – 5M€ (1 projet)
HORIZON-CL6-2024-BIODIV-01-8: Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems	RIA – 12M€ (2 projets)
HORIZON-CL6-2024-BIODIV-01-9: Selective breeding programme for organic aquaculture	RIA – 3M€ (1 projet)

HORIZON-CL6-2024-BIODIV-02-3-two-stage: Demonstrating Nature-based Solutions for the sustainable management of water resources in a changing climate, with special attention to reducing the impacts of extreme droughts IA- 16M€ (2 projects)

HORIZON-CL6-2024-BIODIV-02-3-two-stage: Demonstrating the potential of Naturebased Solutions and the New European Bauhaus to contribute to sustainable, inclusive and resilient living spaces and communities IA- 10M€ (2 projects)

HORIZON-CL6-2024-BIODIV-02-3-two-stage: Promoting minor crops in farming systems RIA- 10M€ (2 projets)

Destination 2 : FARM2FORK

HORIZON-CL6-2024-FARM2FORK-01-1: Agro-pastoral/outdoor livestock systems and wildlife management RIA - 5 M€ (1 project)

HORIZON-CL6-2024-FARM2FORK-01-2: New healthy and sustainable food products and processes RIA - 10 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-3: Thematic network tackling food fraud by translating research and innovation into practice CSA - 2 M€ (1 project)

HORIZON-CL6-2024-FARM2FORK-01-4: Climate change and food safety: effects of climate change on food safety across food systems RIA - 8 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-5: Creating smart and attractive tools to enhance healthy and sustainable food provision, eating and treating of food at home IA - 6 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-6: Citizens' science as an opportunity to foster the transition to sustainable food systems RIA - 10 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-7: Impact of the development of novel foods based on alternative sources of proteins RIA - 9 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-8: Preventing and reducing food waste to reduce environmental impacts and to help reach 2030 climate targets RIA - 9 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-9: Microbiome for flavour and texture in the organoleptic dietary shift IA - 9 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-01-10: EU-African Union cooperation on agroforestry management for climate change adaptation and mitigation RIA - 8 M€ (3 projects)

HORIZON-CL6-2024-FARM2FORK-01-11: EU-African Union – towards climate-neutral, social just fair trade food systems RIA - 9 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-02-1-two-stage: Increasing the availability and use of non-contentious inputs in organic farming IA - 12 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-02-2-two-stage: Sustainable organic food innovation labs: reinforcing the entire value chain IA - 11 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-02-3-two-stage: Tools to increase the effectiveness of EU import controls for plant health IA - 8 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-02-4-two-stage: Tackling outbreaks of plant pests RIA – 13 M€ (2 projects)

HORIZON-CL6-2024-FARM2FORK-02-5-two-stage: Animal nutritional requirements and nutritional value of feed under different production management conditions RIA -7 M€ (1 project)

Destination 3 : CIRCBIO

HORIZON-CL6-2024-CircBio-01-1: Circular Cities and Regions Initiative's project development assistance (CCRI-PDA) (CSA, 6, 3 projects, lump sum funding)

HORIZON-CL6-2024-CircBio-01-2: Circular solutions for textile value chains based on extended producer responsibility (IA, 14, 2 projects)

HORIZON-CL6-2024-CircBio-01-3: Innovative circular solutions for furniture (IA, 10, 2 projects)

HORIZON-CL6-2024-CircBio-01-4: Systemic circular solutions for a sustainable tourism (IA, 10, 2 projects)

HORIZON-CL6-2024-CircBio-01-5: Programmed biodegradation capability of bio-based materials and products, validated in specific environments (RIA, 8, 2 projects, lump sum)

HORIZON-CL6-2024-CircBio-01-6: Digital information systems for bio-based products (RIA, 6, 2 projects)

HORIZON-CL6-2024-CircBio-01-7: Demonstrating the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions (IA, 6, 1 project)

HORIZON-CL6-2024-CircBio-01-8 Bioeconomy project development assistance (CSA, 3, 1 project, lump Sum)

HORIZON-CL6-2024-CIRC BIO-01-9: Circular bioeconomy start-up villages (CSA, 2,5, 3 projects, lump sum)

HORIZON-CL6-2024-CircBio-01-10: Targeting aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals (RIA, 9, 2 projects)

HORIZON-CL6-2024-CircBio-02-1-two-stage: Circular solutions for textile value chains through innovative sorting, recycling, and design for recycling (RIA, 15, 3 projects, TRL 5-6)

HORIZON-CL6-2024-CircBio-02-2-two-stage: Increasing the circularity in plastics value chains (IA, 10, 2 projects, TRL 6-8)

HORIZON-CL6-2024-CircBio-02-3-two-stage: Increasing the circularity in electronics value chains (IA, 10, 2 projects, TRL 6-8)

HORIZON-CL6-2024-CircBio-02-4-two-stage: New circular solutions and decentralised approaches for water and wastewater management (IA, 15, 3 projects, TRL 6-8)

HORIZON-CL6-2024-CircBio-02-5-two-stage: Circular design of bio-based processes and products (RIA, 8, 2 projects, TRL 5)

HORIZON-CL6-2024-CircBio-02-6-two-stage: From silos to diversity – small-scale bio-based demonstration pilots (IA, 15, 3 projects)

Destination 4 : ZEROPOLLUTION

HORIZON-CL6-2024-ZEROPOLLUTION-01-1: Demonstrating how regions can operate within safe ecological and regional nitrogen and phosphorus boundaries IA - 27 M€ (3 projects)

HORIZON-CL6-2024-ZEROPOLLUTION-01-2: Best available techniques to recover or recycle fertilising products from secondary raw materials CSA - 4 M€ (2 projects)

HORIZON-CL6-2024-ZEROPOLLUTION-01-3: Environmental impacts of food systems RIA- 7M€ (1 project)

HORIZON-CL6-2024-ZEROPOLLUTION-02-1-two-stage: Innovative technologies for zero pollution, zero-waste biorefineries IA - 15M€ (3 projects)

HORIZON-CL6-2024-ZEROPOLLUTION-02-2-two-stage: Innovative technologies for zero pollution, zero-waste biorefineries RIA - 8M€ (2 projects)

Destination 5 : CLIMATE

HORIZON-CL6-2024-CLIMATE-01-1: Improving irrigation practices and technologies in agriculture (IA, 10M€, 2 projets, TRL 6-7)

HORIZON-CL6-2024-CLIMATE-01-2: Socio-economic, climate and environmental aspects of paludiculture (RIA, 5M€)

HORIZON-CL6-2024-CLIMATE-01-3: Paludiculture: large-scale demonstrations (IA, 20M€, 2 projets)

HORIZON-CL6-2024-CLIMATE-01-4: Land use change and local / regional climate (RIA, 12M€, 2 projets)

HORIZON-CL6-2024-CLIMATE-01-5: Climate-smart use of wood in the construction sector to support the New European Bauhaus (RIA, 14M€, 2 projets)

HORIZON-CL6-2024-CLIMATE-01-6: Ocean models for seasonal to decadal regional climate impacts and feedbacks (RIA, 9M€, 2 projets)

HORIZON-CL6-2024-CLIMATE-01-7: EU-China international cooperation on improving monitoring for better integrated climate and biodiversity approaches, using environmental and Earth observation (RIA, 5M€, 1 projet)

Destination 6 : COMMUNITIES

HORIZON-CL6-2024-COMMUNITIES-01-1: Unlock the potential of the New European Bauhaus in urban food system transformation (IA, 6, 2 projects)

HORIZON-CL6-2024-COMMUNITIES-01-2: Societal perceptions and benefits of rural life and jobs: will COVID generate a long-lasting shift? (RIA, 6, 1 project)

HORIZON-CL6-2024-COMMUNITIES-01-3: Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making (RIA, 3, 1 project)

HORIZON-CL6-2024-COMMUNITIES-02-1-two-stage: Innovating for climate-neutral rural communities by 2050 (IA, 10, 2 projects)

HORIZON-CL6-2024-COMMUNITIES-02-2-two-stage: New sustainable business and production models for farmers and rural communities (IA, 12, 2 projects)

Destination 7 : GOVERNANCE

HORIZON-CL6-2024-GOVERNANCE-01-1: Additional activities for the European Partnership for a climate neutral, sustainable and productive Blue Economy (Cofunded partnership, 60 millions, 1 project)

HORIZON-CL6-2024-GOVERNANCE-01-2: Regional ecosystems of innovation to foster food system transformation (CSA, 3,5 millions, 1 project)

HORIZON-CL6-2024-GOVERNANCE-01-3: The role of mainstream media, social media and marketing in fostering healthy and sustainable consumption patterns and how to encourage good practices (CSA, 3 millions, 1 project)

HORIZON-CL6-2024-GOVERNANCE-01-4: Supporting the All-Atlantic Ocean Research and Innovation Alliance and Declaration (CSA, 4 millions, 1 project)

HORIZON-CL6-2024-GOVERNANCE-01-5: Customisation/pre-operationalisation of prototypes end-user services in the area Climate Change Adaptation and Mitigation (Pre-commercial Procurement, 19 millions, 1 project)

HORIZON-CL6-2024-GOVERNANCE-01-6: Develop innovative applications to support the European Green Deal, building on meteorological satellite data (RIA, 8 millions, 1 project)

HORIZON-CL6-2024-GOVERNANCE-01-7: Enhancing working conditions and strengthening the work force through digital and data technologies – the potential of robotics and augmented reality **RIA - 15 M€ (3 projets)**

HORIZON-CL6-2024-GOVERNANCE-01-8: Broaden EIP Operational Group outcomes across borders by means of thematic networks to compile and share knowledge ready for practice **CSA - 4 M€ (2 projets)**

HORIZON-CL6-2024-GOVERNANCE-01-9: Thematic networks to compile and share knowledge ready for practice **CSA - 6 M€ (2 projets)**

HORIZON-CL6-2024-GOVERNANCE-01-10: Organic farming thematic networks to compile and share knowledge ready for practice **CSA - 4 M€ (1 projet)**

HORIZON-CL6-2024-GOVERNANCE-01-11: Biodiversity thematic networks to compile and share knowledge ready for practice **CSA - 3 M€ (1 projet)**

HORIZON-CL6-2024-GOVERNANCE-01-12: Developing EU advisory networks on forestry **CSA - 4 M€ (1 projet)**

HORIZON-CL6-2024-GOVERNANCE-01-13: Developing EU advisory networks on sustainable livestock systems **CSA - 4 M€ (1 projet)**

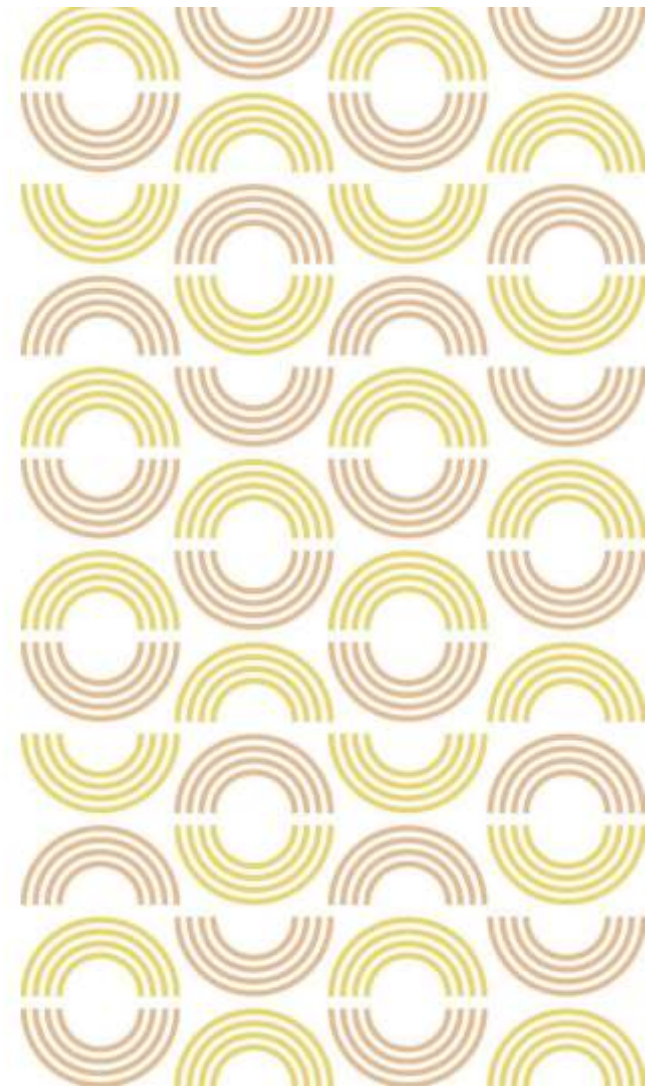
Get Support : CARE4BIO



CARE4BIO: Network of Cluster 6 National Contact Points



Funded by
the European Union



The background is a solid green color. It features several sets of concentric white arcs that are partially visible, appearing as if they are part of larger circles or ellipses that have been cut off by the edges of the frame. These arcs are arranged in a grid-like pattern, with two sets on the left and two sets on the right, all centered around the text.

Support to Cluster 6 Applicants

Activities dedicated to Cluster 6 applicants

- Widening strategies
 - Development of recommendations to lower the entrance barriers of the target groups (widening/newcomers/less active countries)
 - Brokerage events/ Matchmaking activities
 - Organisation of 5 annual Brussels-based international brokerage events with up to 250 participants
 - Trainings for applicants
 - Training curriculum for applicants
 - 2 training activities (one online and one physically) per year
 - Online awareness raising events for applicants
 - 3 informative sessions per year
- 



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act opportunities network

CARE4BIO
The official Network of Horizon Europe 'Cluster 6' NCPs, taking up the torch from BioHorizon & NCPsCaRE
Information Services - 53 followers

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support network CLUSTER 6
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CARE4BIO
@Care4Bio
The official Network of the Horizon Europe 'Cluster 6' National Contact Points, taking up the torch from BioHorizon and NCPs CaRE.
Brussels Joined September 2022
71 Following 49 Followers
Followed by Deshae Prati and Horizonta Europa Cluster 6 CDTI

CARE4BIO Newsletter
November 2022 Issue

CARE4BIO

Editorial

November 1st, 2022. It's been a year supporting the National Contact Points of Horizon Europe Cluster 6 around the world. Our goal is to provide Cluster 6 NCPs with top-level support so that they in turn can help their local stakeholders better in their endeavours of moving forward from Horizon Europe Cluster 6. In this 1st, we will engage the local expertise from the Commission and beyond, in doing so we will gather information on policy developments, the most useful funding and awareness raising events, and the most interesting tender notices for Cluster 6 applicants. During the process we will be working together with our dedicated European networks such as CEF, LIFE, I4I and E2V, so as to ensure you informed on the latest news on top in the field of Food, Bioeconomy, Natural Resources, Agriculture and Environment.

Our newsletter will regularly publish information on funding opportunities, events and news related to Cluster 6. We will also do so through social media, giving opportunities for widening outreach, with the aim to keep you well informed and connected both with Horizon Europe and with the environment of Europe and beyond.

HE Horizon NCP

CARE4BIO

**Cluster 6
FOOD, BIOECONOMY,
NATURAL RESOURCES,
AGRICULTURE &
ENVIRONMENT**

Care4bio NCP network for cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment.
CARE4BIO is here to service your specific needs in all matters related to Cluster 6.
CARE4BIO consists of 20 partners across Europe willing to assist you in your Cluster 6 related activities.
Here you will find relevant information, materials, webinars, workshops and contact information all in one place.
CARE4BIO also wants to keep its audience well informed on all publications & news from related to Cluster 6 from the European Commission.

Newsletter: https://geform.tc.cz/CARE4BIO_project

Website: www.care4bio.eu

Social media accounts: [LinkedIn](#), [Twitter](#), [YouTube](#)



Find your local NCP :

<https://horizoneuropencppportal.eu/ncp-networks/cluster-6/find-your-ncp>



Philippines NCP

Contact

Person of Contact: Reynaldo Eborá

Functions (s): Food, Bioeconomy, Natural Resources, Agriculture and Environment

Update date: 04-MAR-22

Record control number: 185007

Organisation:

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Department of Science and Technology

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Thailand NCP

Contact

Person of Contact: Sophon Sirisattha

Functions (s): Food, Bioeconomy, Natural Resources, Agriculture and Environment

Update date: 26-AUG-21

Record control number: 153016

Organisation:

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Thank you for listening !
