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Horizonte Europa – Clúster 6

Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medio Ambiente

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El contenido de esta presentación utiliza información proporcionada por la CE en eventos de promoción del programa Horizonte Europa

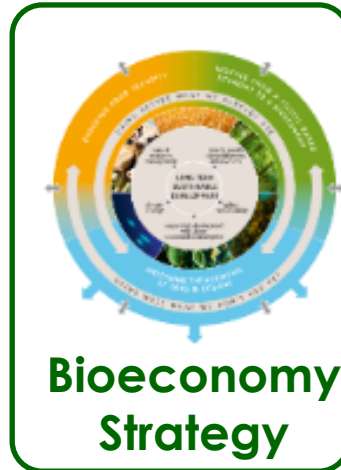
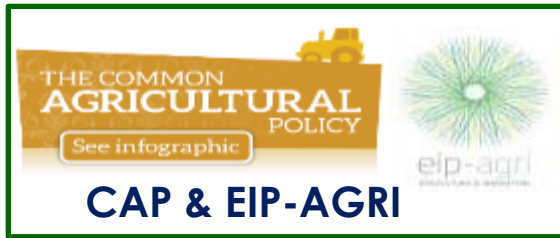
Horizonte Europa (2021 – 2027)

PILAR 1 – CIENCIA EXCELENTE		PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA		PILAR 3 – EUROPA INNOVADORA	
	25.011		53.516		13.597
ERC - Consejo Europeo de Investigación	16.004	Clúster 1 - Salud	8.246	EIC- Consejo Europeo de Innovación	10.105
MSCA - Acciones Marie Skłodowska-Curie	6.602	Clúster 2 - Cultura, creatividad y sociedad inclusiva	2.280	Ecosistemas de innovación europea	527
Infraestructuras de investigación	2.406	Clúster 3 - Seguridad	1.596	EIT - Instituto Europeo de Innovación y Tecnología	2.965
		Clúster 4 - Digital, industria y espacio	15.349		
		Clúster 5 - Clima, energía y movilidad	15.123		
		Clúster 6 - Alimentación, bioeconomía recursos naturales, agricultura y medio ambiente	8.952		
		JRC – Centro Común de Investigación	1.970		
Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación			3.393		
Ampliar la participación y difundir la excelencia			2.955		
Reformar y mejorar el sistema europeo de la I+i			438		

* Presupuesto en M€ (precios corrientes)

** Fondos de NextGenerationEU ² incluidos




Clúster 6. Contribución a políticas y estrategias



El Pacto Verde Europeo y el Clúster 6



Clúster 6 – presupuesto a lo largo de 7 años

Overall budget	€8.952 billion
Operational budget	€8.4 billion
10% for missions  	- €0.9 billion
CBE partnership 	- €1 billion
Available budget for the Work Programmes	€6,5 billion

De prioridades políticas a acciones concretas



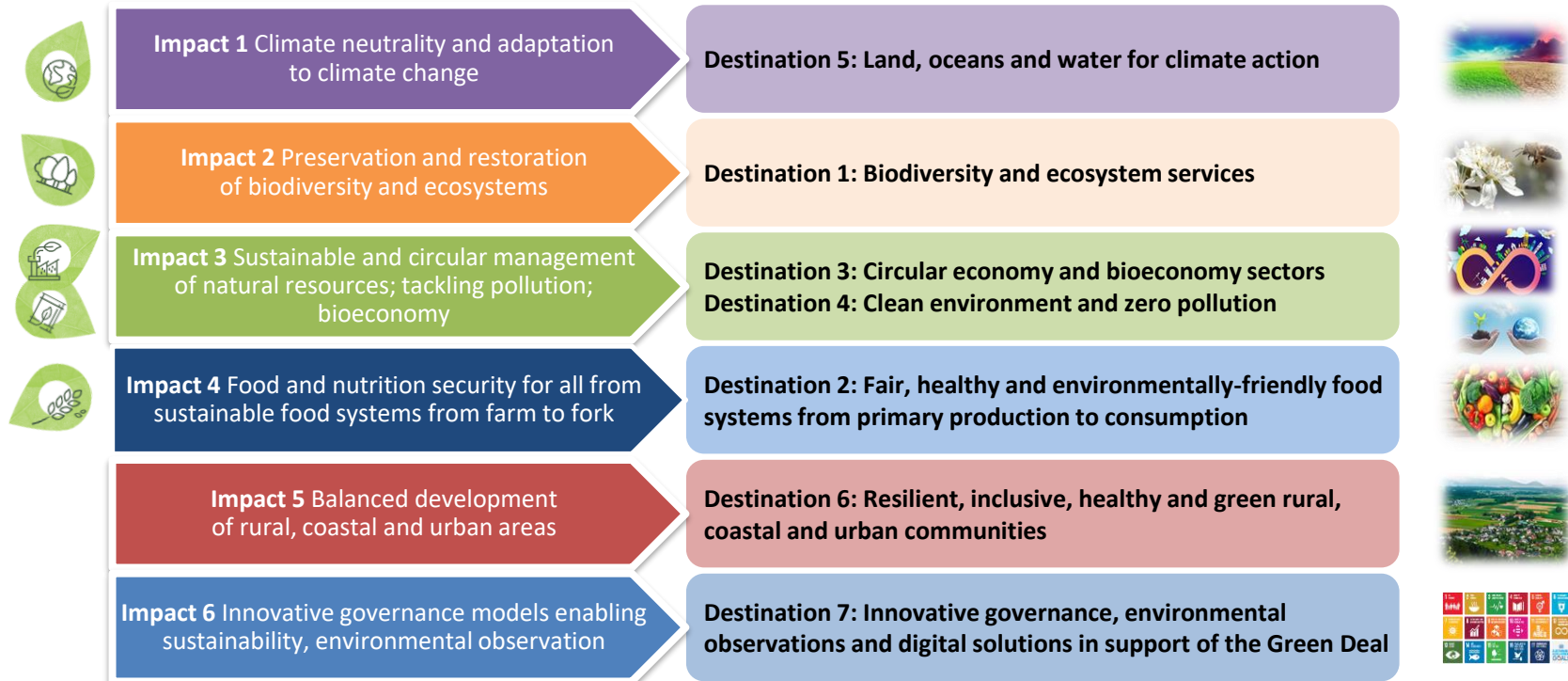
Horizonte Europa – de la base legal al programa de trabajo



De la planificación estratégica al WP

Strategic Plan

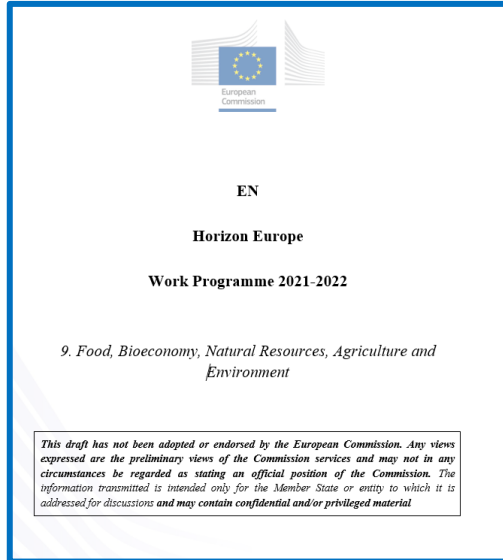
Work Programme



Clúster 6: Convocatorias 2022- Presupuesto por destino

Destinations	Number of calls	Number of topics	Budget (in mio EUR)
1. Biodiversity	2	13	141
2. Farm to Fork	2	20	230.5
3. Circular economy and bioeconomy	2	13	142
4. Zero pollution	1	4	51
5. Land, ocean and water for Climate action	1	5	75
6. Communities	2	7	75
7. Governance	1	15	147
Total: 7 Destinations	11	77	861.5

Del programa de trabajo al “topic”



Horizon Europe - Work Programme 2021-2022
Food, Bioeconomy, Natural Resources, Agriculture and Environment

Destination – Circular economy and bioeconomy sectors

Expected impacts

Proposals for topics under this Destination should set out a credible pathway to developing circular economy and bioeconomy sectors, achieving sustainable and circular management and use of natural resources, as well as prevention and removal of pollution, unlocking the

Y...dar respuesta a los Expected Impacts (a uno o a varios) a nivel de “Destination”

NEW

- **European industrial sustainability, competitiveness and resource independence** by lowering the use of primary non-renewable raw materials and reducing greenhouse gas emissions and other negative environmental footprint (including on biodiversity), enabling climate-neutrality and higher resource efficiency (e.g. by circular design, improved waste management, cascading use of biomass) along and across value chains, developing innovative and sustainable value-chains in the bio-based sectors, substituting fossil-based ones, increasing circular practices in textiles, plastics, electronics and construction, developing recycling technologies and industrial symbiosis, increasing circular bio-based systems from sustainably sourced biological resources replacing carbon-intensive and fossil-based systems, with inclusive engagement of all stakeholders;
- **Improved consumer and citizen benefits**, including in the rural settings by establishing circular and bio-based systems based on sustainability, inclusiveness, health and safety;

Part 9 - Page 237 of 554

Horizon Europe - Work Programme 2021-2022
Food, Bioeconomy, Natural Resources, Agriculture and Environment

Cubrir el “topic” al 100%, dar respuesta a todo lo que se indica en los distintos apartados:

- *Specific conditions*
- *Expected outcomes*
- *Scope*

Tener en cuenta todos los matices de cada “topic”:
policies, RRI, INCO, SSH, gender, multi-actor approach...

Clúster 6 – WP 2021-22. Convocatorias 2022

Opening date: 28 Oct 2021

Name of the destination	Call identifier	Deadline	Deadline 2nd stage	Number of topics
Biodiversity and Ecosystem Services	HORIZON-CL6-2022-BIODIV-01	15/02/2022		10
	HORIZON-CL6-2022-BIODIV-02		01/09/2022	3
Fair, healthy and environmentally-friendly food systems from primary production to consumption	HORIZON-CL6-2022-FARM2FORK-01			15
	HORIZON-CL6-2022-FARM2FORK-02		06/09/2022	5
Circular economy and bioeconomy sectors	HORIZON-CL6-2022-CircBio-01			7
	HORIZON-CL6-2022-CircBio-02		01/09/2022	6
Clean environment and zero pollution	HORIZON-CL6-2022-ZEROPOLLUTION-01			4
Land, oceans and water for climate action	HORIZON-CL6-2022-CLIMATE-01			5
Resilient, inclusive, healthy and green rural, coastal and urban communities	HORIZON-CL6-2022-COMMUNITIES-01			5
	HORIZON-CL6-2022-COMMUNITIES-02		06/09/2022	2
Innovative governance, environmental observations and digital solutions in support of the Green Deal	HORIZON-CL6-2022-GOVERNANCE-01		15	

Tipo de acción en las convocatorias 2022

Type of Action	Number of topics	%	% Budget
Research and Innovation Action (RIA)	42	54%	54%
Innovation Action (IA)	21	27%	25%
Coordination and Support Action (CSA)	13	17%	18%
Co-funded partnership*	1	1%	3%
Total	77	100%	100%

*climate neutral, sustainable and productive Blue Economy

CALL HORIZON-CL6-2022-BIODIV-01

CALL HORIZON-CL6-2022-BIODIV-02 (TWO-STAGE)

Destination 1: Biodiversity and Ecosystem Services



CALLS BIODIVERSITY AND ECOSYSTEM SERVICES

€141 million

Call HORIZON-CL6-2022-BIODIV-01
Call HORIZON-CL6-2022-BIODIV-02-two-stage



Understanding biodiversity decline

2 topics
€20 million



Valuing and restoring biodiversity and ecosystem services

2 topics
€16 million



Managing biodiversity in primary production

6 topics
€78 million



Enabling transformative change on biodiversity

2 topics
€8 million

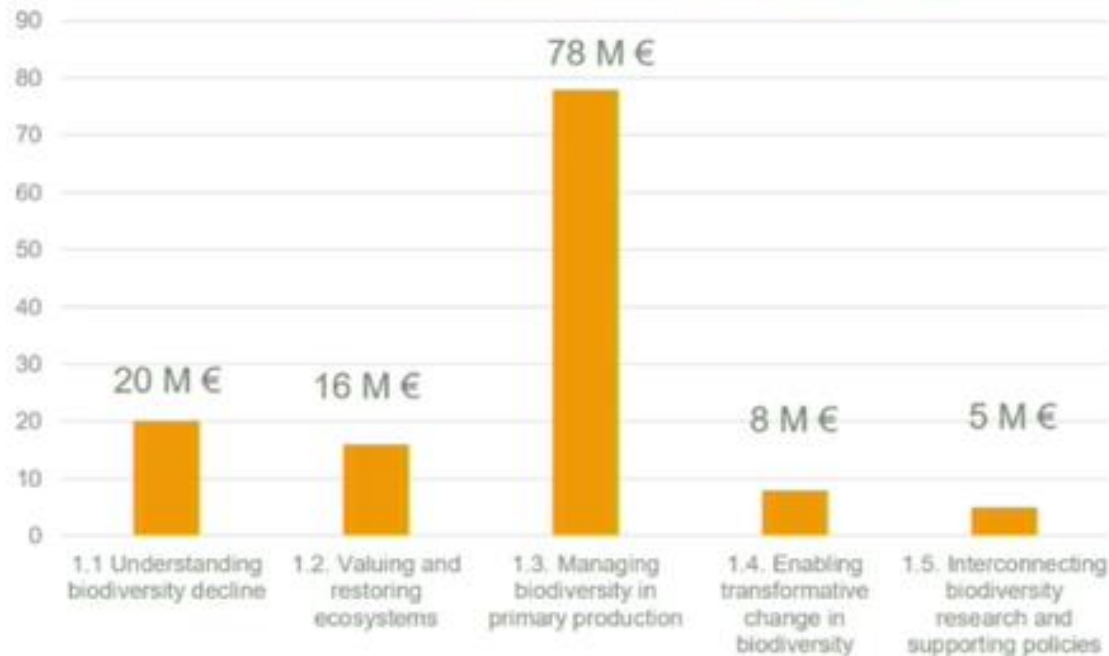


Interconnecting biodiversity research and supporting policies

1 topic
€5 million

CALLS BIODIVERSITY AND ECOSYSTEM SERVICES

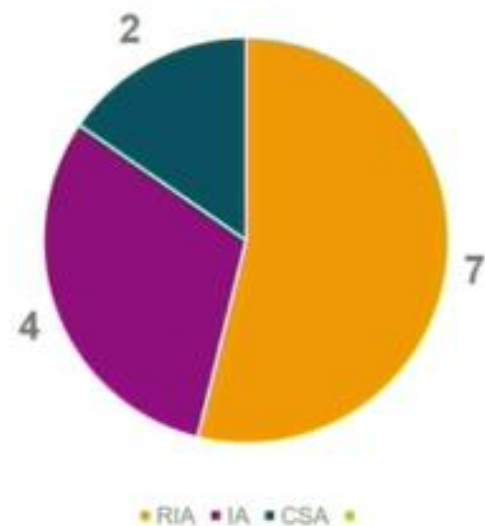
Budget 2022 calls 141 M EUR



Call HORIZON-CL6-2022-BIODIV-01
Call HORIZON-CL6-2022-BIODIV-02-two-stage

13 topics

Number of topics



D1. Biodiversity and Ecosystem Services **2022** (1)

Type action/ EU contrib/ Budget/ nºpj

Understanding biodiversity decline	HORIZON-CL6-2022-BIODIV-01-01: Observing and mapping biodiversity and ecosystems, with particular focus on coastal and marine ecosystems	RIA	(4 - 14)	14	2
	HORIZON-CL6-2022-BIODIV-01-02: Building taxonomic research capacity near biodiversity hotspots and for protected areas by networking natural history museums and other taxonomic facilities	IA + Cascade funding	6	6	1
			20		
Valuing and restoring biodiversity and ecosystem services	HORIZON-CL6-2022-BIODIV-01-03: Network for nature: multi-stakeholder dialogue platform to promote nature-based solutions	CSA	6	6	1
	HORIZON-CL6-2022-BIODIV-01-04: Natural capital accounting: Measuring the biodiversity footprint of products and organizations	IA	10	10	1
			16		

D1. Biodiversity and Ecosystem Services 2022 (2)

Type action/ EU contrib/ Budget/ n°pj

Managing biodiversity in primary production	HORIZON-CL6-2022-BIODIV-01-05: Intercropping – understanding and using the benefits of complexity in farming and value chains	RIA	8	16	2
	HORIZON-CL6-2022-BIODIV-01-06: Monitoring and effective measures for agrobiodiversity	RIA	8	8	1
	HORIZON-CL6-2022-BIODIV-01-07: Protection and sustainable management of forest genetic resources of high interest for biodiversity, climate change adaptation, and forest reproductive materials	RIA	8	8	1
	HORIZON-CL6-2022-BIODIV-02-01-two-stage: Maintaining and restoring pollinators and pollination services in European agricultural landscapes	IA	(6 - 10)	20	3
	HORIZON-CL6-2022-BIODIV-02-02-two-stage: Boosting breeding for a sustainable, resilient and competitive European legume sector	IA	7	14	2
	HORIZON-CL6-2022-BIODIV-02-03-two-stage: Resilient beekeeping	RIA	6	12	2
				78	

D1. Biodiversity and Ecosystem Services **2022** (3)

Type action/ EU contrib/ Budget/ nºpj

Enabling transformative change on biodiversity	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	3	12	4
	HORIZON-CL6-2022-BIODIV-01-09: Understanding the role of behaviour, gender specifics, lifestyle, religious and cultural values , and addressing the role of enabling players (civil society, policy makers, financing and business leaders, retailers) in decision making	RIA	(3 - 4)	10	3
			22		
Interconnecting biodiversity research and supporting policies	HORIZON-CL6-2022-BIODIV-01-10: Cooperation with the Convention on Biological Diversity	CSA	5	5	1
				5	
			141		

CALL HORIZON-CL6-2022-FARM2FORK-01

CALL HORIZON-CL6-2022-FARM2FORK-02-TWO-STAGE

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



D2. Fair, healthy and environmentally-friendly food systems from primary production to consumption

€231 million

Call HORIZON-CL6-2022-FARM2FORK-01

Call HORIZON-CL6-2022-FARM2FORK-02-two-stage



Enabling sustainable farming

8 topics

€79.5 million



Enabling sustainable fisheries and aquaculture

3 topics

€40 million



Transforming food systems for health, sustainability and inclusion

5 topics

€57 million



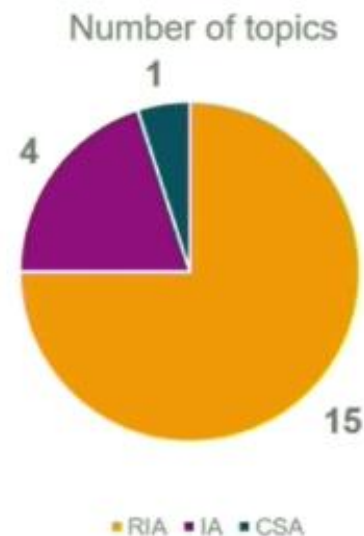
Targeted international cooperation

4 topics

€54 million

FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION

20 topics



Call HORIZON-CL6-2022-FARM2FORK-01
Call HORIZON-CL6-2022-FARM2FORK-02-two-stage

D2. Fair, healthy and environmentally-friendly food systems from primary production to consumption **2022** (1)

		Type action/	EU contrib /	Budget	/ n°pj
Enabling sustainable farming	HORIZON-CL6-2022-FARM2FORK-01-01: Risk assessment of new low risk pesticides	RIA	7	7	1
	HORIZON-CL6-2022-FARM2FORK-01-02: Socio-economics of pesticide use in agriculture	RIA	6	6	1
	HORIZON-CL6-2022-FARM2FORK-01-03: Enhancing biosecurity in terrestrial livestock production	RIA	5	10	2
	HORIZON-CL6-2022-FARM2FORK-01-04: Innovative solutions to prevent adulteration of food bearing quality labels: focus on organic food and geographical indications	IA	4	8	2
	HORIZON-CL6-2022-FARM2FORK-02-01-two-stage: Agroecological approaches for sustainable weed management	RIA	5	14,5	3
	HORIZON-CL6-2022-FARM2FORK-02-02-two-stage: Emerging and future risks to plant health	RIA	7	7	1
	HORIZON-CL6-2022-FARM2FORK-02-03-two-stage: Ecology of infectious animal diseases	RIA	6	12	2
	HORIZON-CL6-2022-FARM2FORK-02-04-two-stage: Smart solutions for the use of digital technologies for small- and medium-sized, farms and farm structures	IA + Cascade funding	5	15	3
				79,5	

D2. Fair, healthy and environmentally-friendly food systems from primary production to consumption **2022** (2)

Type action/ EU contrib / Budget / nºpj

		Type action/	EU contrib /	Budget	/ nºpj
Enabling sustainable fisheries and aquaculture	HORIZON-CL6-2022-FARM2FORK-01-05: Integrated and sustainable freshwater bioeconomy : Combining aquaculture, biodiversity preservation, biotechnology and other uses	RIA	5	10	2
	HORIZON-CL6-2022-FARM2FORK-01-06: Biosecurity, hygiene, disease prevention and animal welfare in aquaculture	RIA	6	12	2
	HORIZON-CL6-2022-FARM2FORK-02-05-two-stage: Innovative food from marine and freshwater ecosystems	IA	6	18	3
				40	

D2. Fair, healthy and environmentally-friendly food systems from primary production to consumption **2022** (3)

		Type action/	EU contrib /	Budget	/ n°pj
Transforming food systems for health, sustainability and inclusion	HORIZON-CL6-2022-FARM2FORK-01-07: Building alternative protein-friendly sustainable and healthy food environments	IA	12	12	1
	HORIZON-CL6-2022-FARM2FORK-01-08: Research and innovation for food losses and waste prevention and reduction through harmonised measurement and monitoring	RIA	7	14	2
	HORIZON-CL6-2022-FARM2FORK-01-09: Microbiomes in food production systems	RIA	5	10	2
	HORIZON-CL6-2022-FARM2FORK-01-10: Integrated surveillance system to prevent and reduce diet-related non communicable diseases (NCDs)	RIA	11	11	1
	HORIZON-CL6-2022-FARM2FORK-01-11: Effective systems for authenticity and traceability in the food system	RIA	10	10	1
				57	

D2. Fair, healthy and environmentally-friendly food systems from primary production to consumption **2022** (4)

		Type action/	EU contrib /	Budget	/ n°pj
Targeted international cooperation	HORIZON-CL6-2022-FARM2FORK-01-12: Agro-ecological approaches in African agriculture systems	RIA	7	28	4
	HORIZON-CL6-2022-FARM2FORK-01-13: AU-EU Combatting all forms of malnutrition	RIA	11	11	1
	HORIZON-CL6-2022-FARM2FORK-01-14: African Food cities	RIA + Cascade funding	6	12	2
	HORIZON-CL6-2022-FARM2FORK-01-15: Support for international research on infectious animal diseases	CSA	3	3	1
				54	
				230,5	

**CALLS HORIZON-CL6-2022-CIRCBIO-01 &
HORIZON-CL6-2022-CIRCBIO-02-TWO-STAGE**

Destination 3: Call Circular economy and bioeconomy sectors



CALLS CIRCULAR ECONOMY AND BIOECONOMY SECTORS

HORIZON-CL6-2022-CIRCBIO-01
HORIZON-CL6-2022-CIRCBIO-02-two-stage



€142million



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

2 topics

€31 million

8 topics

€74 million

2 topics

€19 million

1 topic

€18 million

D3. Circular economy and bioeconomy sectors 2022 (1)

		Type action/	EU contrib/	Budget/	n°pj
Enabling a circular economy transition	HORIZON-CL6-2022-CircBio-01-01: Circular Cities and Regions Initiative's Project Development Assistance (CCRI-PDA)	CSA	0,4 - 2	10	6
	HORIZON-CL6-2022-CircBio-02-01-two-stage: Integrated solutions for circularity in buildings and the construction sector	IA	(6 - 8)	21	3
				31	
				74	
Safeguarding the multiple functions of EU forests	HORIZON-CL6-2022-CircBio-01-06: Strengthening the European forest-based research and innovation ecosystem	RIA	4	4	1
	HORIZON-CL6-2022-CircBio-02-06-two-stage: Harnessing the digital revolution in the forest-based sector	IA	(6 - 8)	15	2
				19	
Innovating for blue bioeconomy and	HORIZON-CL6-2022-CIRC BIO-01-07: Marine microbiome for a healthy ocean and a sustainable blue bioeconomy	RIA	9	18	2
				18	
				142	

D3. Circular economy and bioeconomy sectors 2022 (2)

Type action/ EU contrib/ Budget/ n°pj

Innovating sustainable bio-based systems and the bioeconomy	HORIZON-CL6-2022-CircBio-01-02: Marginal lands and climate-resilient and biodiversity-friendly crops for sustainable industrial feedstocks and related value chains	IA	7	14	2
	HORIZON-CL6-2022-CircBio-01-03: Benefits of the transition towards sustainable circular bio-based systems from linear fossil-based	CSA	2	4	2
	HORIZON-CL6-2022-CIRC BIO-01-04: Maximising economic, environmental and social synergies in the provision of feedstock for bio-based sectors through diversification and increased sustainability of agricultural production systems	IA	8	8	1
	HORIZON-CL6-2022-CIRC BIO-01-05: EU-China international cooperation on unlocking the potential of agricultural residues and wastes for circular and sustainable bio-based solutions	RIA	8	8	1
	HORIZON-CL6-2022-CIRC BIO-02-02-two-stage: Exploring extreme environments: novel adaptation strategies at molecular level for bio-based innovation	RIA	5	10	2
	HORIZON-CL6-2022-CIRC BIO-02-03-two-stage: Sustainable biodegradable novel bio-based plastics: innovation for sustainability and end-of-life options of plastics	IA	6	12	2
	HORIZON-CL6-2022-CIRC BIO-02-04-two-stage: Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application	RIA	6	6	1
	HORIZON-CL6-2022-CIRC BIO-02-05-two-stage: Life sciences and their convergence with digital technologies for prospecting, understanding and sustainably using biological resources	RIA	6	12	2
			74		

CALL HORIZON-CL6-2022-ZEROPOLLUTION-01

Destination 4: Clean environment and zero pollution



CALL CLEAN ENVIRONMENT AND ZERO POLLUTION

HORIZON-CL6-2022-ZEROPOLLUTION-01



€51 million



Halting emissions of pollutants to soils and waters

3 topics

€36 million



Protecting drinking water and managing urban water pollution

1 topic

€15 million



Addressing pollution on seas and ocean

no topic



Increasing environmental performances and sustainability of processes and products

no topic

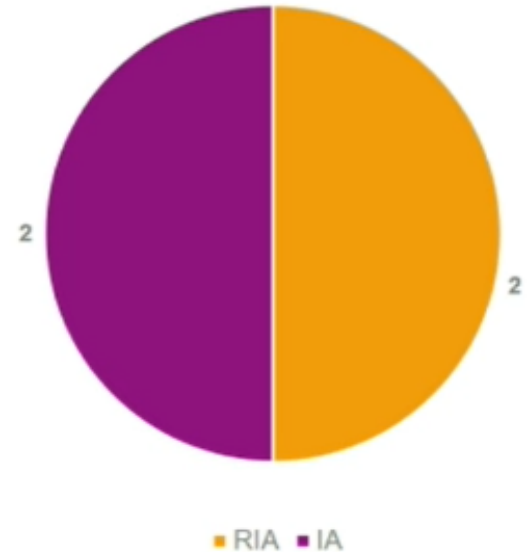
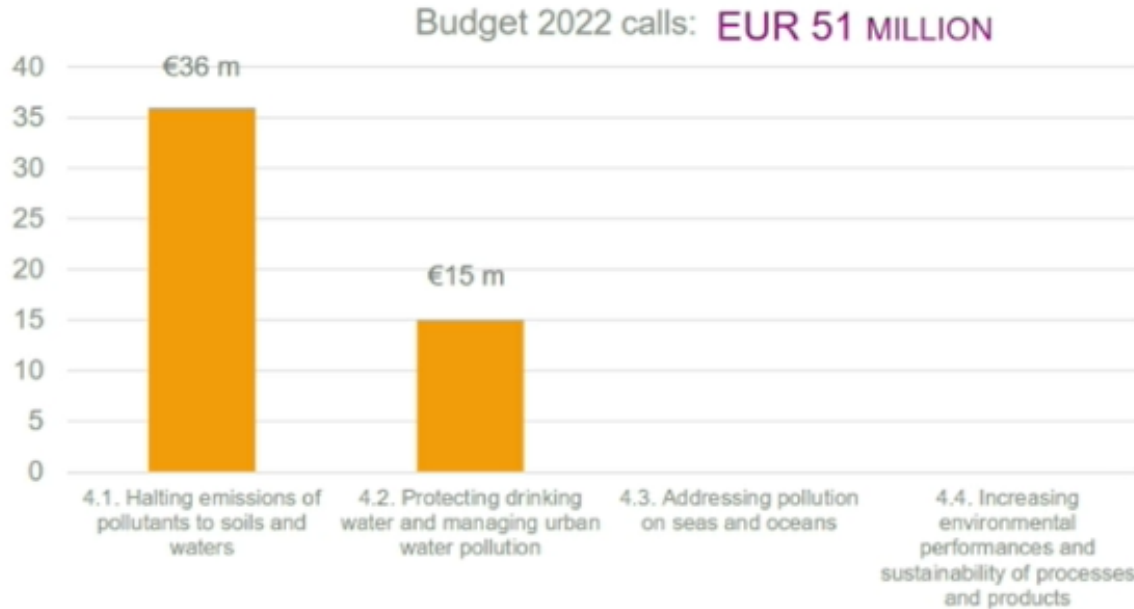
CALL CLEAN ENVIRONMENT AND ZERO POLLUTION WP2022

Call data:

- Opening: 28 October 2021
- Deadline: 15 February 2022
- Number of projects expected to be funded: 11

4 topics

Number of topics



D4. Clean environment and zero pollution 2022

Type action/ EU contrib/ Budget/ nºpj

Halting emissions of pollutants to soils and waters	HORIZON-CL6-2022-ZEROPOLLUTION-01-01: Preventing groundwater contamination and protecting its quality against harmful impacts of global and climate change	RIA	(2 - 4)	12	3
	HORIZON-CL6-2022-ZEROPOLLUTION-01-02: Piloting innovative governance solutions to limit nitrogen and phosphorus emissions at the interface of rural/coastal and urban/industrial environments	IA	6	12	2
	HORIZON-CL6-2022-ZEROPOLLUTION-01-03: EU-China international cooperation on nature-based solutions for nutrient management in agriculture	IA	6	12	2
				36	
Protecting drinking water and managing urban water pollution	HORIZON-CL6-2022-ZEROPOLLUTION-01-04: Securing drinking water quality by protecting water sources against pollution , providing innovative monitoring and treatment solutions and ensuring safe distribution.	RIA	(2 - 4)	15	4
				15	
				51	

CALL HORIZON-CL6-2022-CLIMATE-01

Destination 5: Land, ocean and water for climate action



D5. Land, oceans and water for climate action



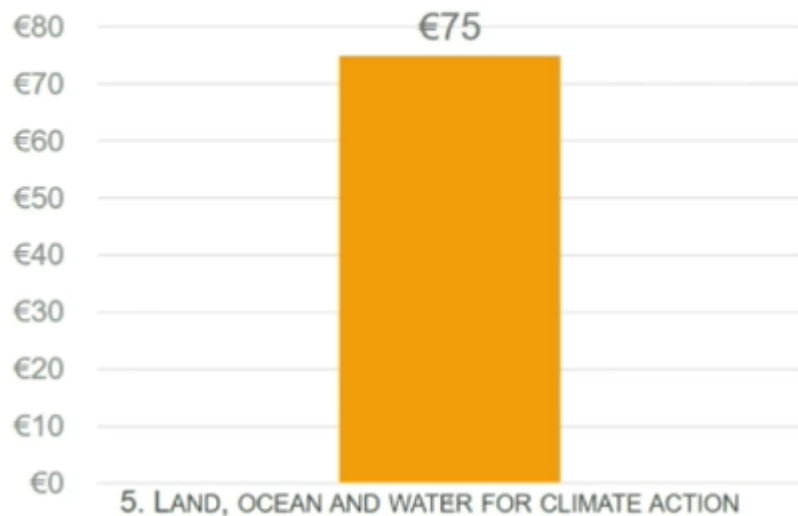
- **Impacts of climate change** on land and marine environments, natural resources, agriculture, forestry and food systems.
- **Fresh water resources-** EP Water4All. Co-fund action-starting 2021.
- Strengthening the **ocean and climate nexus**.
- **Mitigation potential of ecosystems** and sectors. The role of **agriculture** to reduce and mitigate GHG emissions and enhance carbon sinks.
- **Resilience of agriculture and forestry** to climate change.
- Focus on **large-scale deployment** and uptake solutions.

LAND, OCEAN AND WATER FOR CLIMATE ACTION

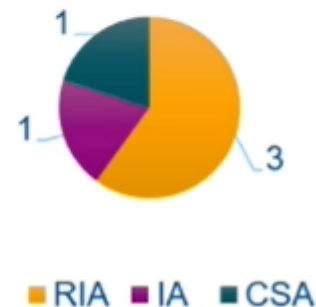
Call HORIZON-CL6-2022-CLIMATE-01

5 topics

Budget 2022 calls **75 M EUR**



Number of topics



D5. Land, oceans and water for Climate action **2022**

Type action/ EU contrib/ Budget / nºpj

		Type action/	EU contrib/	Budget /	nºpj
Destination 5 – Land, oceans and water for climate action	HORIZON-CL6-2022-CLIMATE-01-01: Climate sensitive water allocation systems and economic instruments.	IA	(4 - 5)	10	2
	HORIZON-CL6-2022-CLIMATE-01-02: Understanding the oceanic carbon cycle	RIA	15	15	1
	HORIZON-CL6-2022-CLIMATE-01-03: Demonstration network on climate-smart farming – boosting the role of advisory services	CSA	20	20	1
	HORIZON-CL6-2022-CLIMATE-01-04: Fostering the resilience of agricultural production: from observation of changes to the development of resilience strategies	RIA + Cascade funding	15	15	1
	HORIZON-CL6-2022-CLIMATE-01-05: Forestry - European observatory of climate change impacts and demonstration network of climate smart restoration pilots	RIA + Cascade funding	15	15	1
				75	

CALL HORIZON-CL6-2022-COMMUNITIES-01

CALL HORIZON-CL6-2022-COMMUNITIES-02-TWO-STAGE

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



D6. Rural, coastal and urban communities

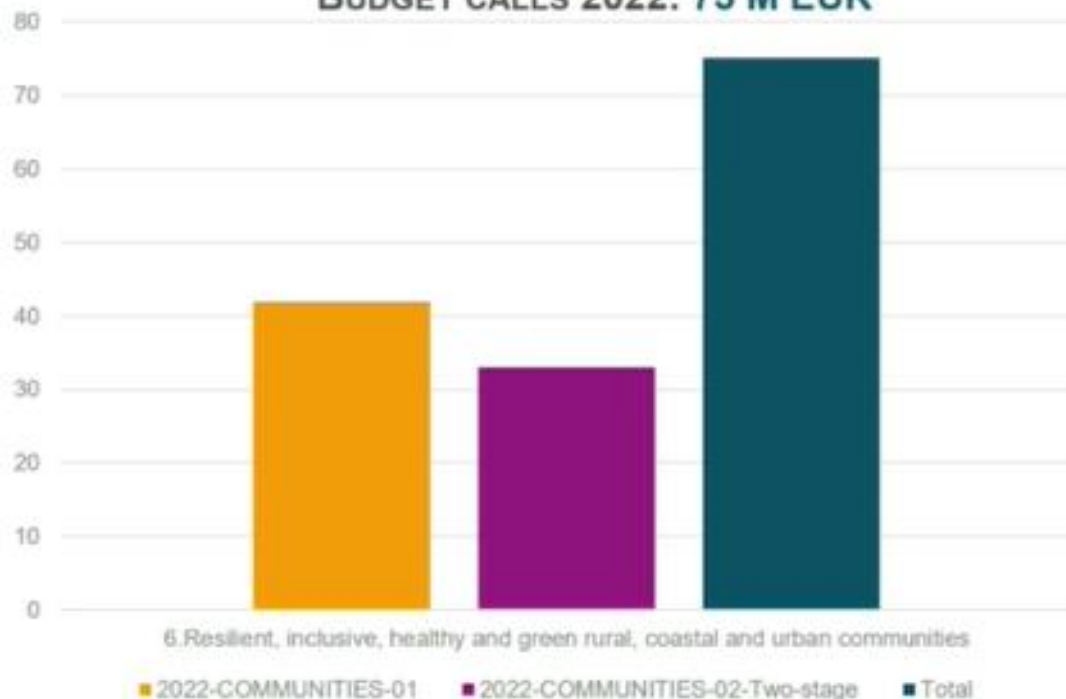
- Empowerment of actors to act for transitions.
- Innovative and smarter solutions for rural communities.
- Coastal communities: protection and resilience.
- Urban and peri-urban communities Access to food
- Tourism, recreational and leisure activity development



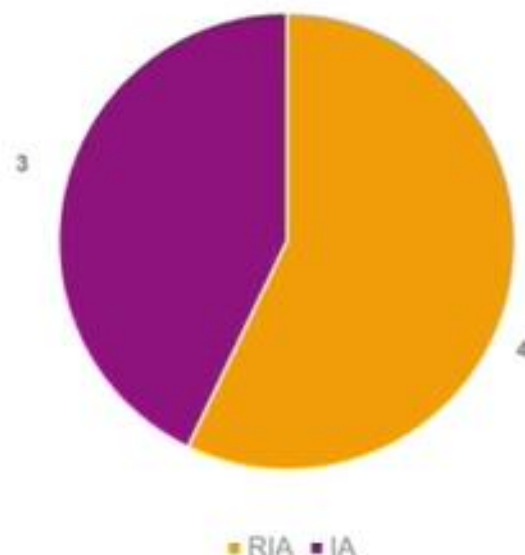
RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES

Call HORIZON-CL6-2022-
COMMUNITIES-01
+ Call HORIZON-CL6-2022-
COMMUNITIES-02-two-stage

BUDGET CALLS 2022: 75 M EUR



7 topics



D6. Rural, coastal and urban communities 2022

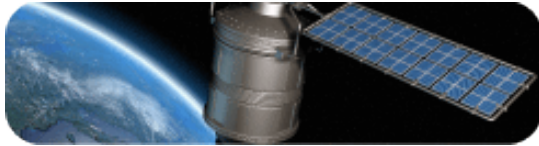
		Type action	EU contrib/	Budget/	n°pj
Destination 6 – Resilient, inclusive, healthy and green rural, coastal and urban communities	HORIZON-CL6-2022-COMMUNITIES-01-01: Boosting women-led innovation in farming and rural areas	RIA	3	6	2
	HORIZON-CL6-2022-COMMUNITIES-01-02: Assessing and improving labour conditions and health and safety at work in farming	RIA	5	5	1
	HORIZON-CL6-2022-COMMUNITIES-01-03: Integration of marine ecosystem service valuation, conservation and restoration in socio-economic models	IA	9	9	1
	HORIZON-CL6-2022-COMMUNITIES-01-04: Social innovation in food sharing to strengthen urban communities' food resilience	IA	10	10	1
	HORIZON-CL6-2022-COMMUNITIES-01-05: Assessing the socio-politics of nature-based solutions for more inclusive and resilient communities	RIA	6	12	2
	HORIZON-CL6-2022-COMMUNITIES-02-01-two-stage: Smart solutions for smart rural communities : empowering rural communities and smart villages to innovate for societal change	IA + Cascade funding	7	14	2
	HORIZON-CL6-2022-COMMUNITIES-02-02-two-stage: Developing nature-based therapy for health and well-being	RIA	6	19	3
			75		

HORIZON-CL6-2022-GOVERNANCE-01

Destination 7: Innovative governance, environmental observations and digital solutions in support of the Green Deal



D7. Innovative governance, environmental observation and digital solutions in support of the Green Deal



- Innovating with **governance models and supporting policies**.
- **EP Blue Economy** (Co-fund action – starting 2022)
- Deployment and adding value to **environmental observations**.
- **Digital and data technologies** as key enablers.
- Strengthening **AKIs** (Agriculture Knowledge and Innovation Systems)

➤ **INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL**

Call HORIZON-CL6-2022-
GOVERNANCE-01

15 topics in 2022 with a total budget of 147 million, split into:

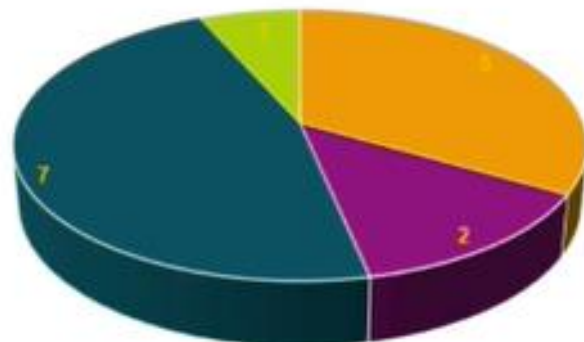
7 CSAs

5 RIA

2 IA

1 co-funded partnership

Destination 7 per type of Action



• RIA • IA • CSA • Co-funded Partn.

D7. Innovative governance, environmental observation and digital solutions in support of the Green Deal 2022 (1)

		Type action / EU contrib / Budget/ nºpj			
Innovating with governance models and supporting policies	HORIZON-CL6-2022-GOVERNANCE-01-01: Mobilization of society to transform food systems for co-benefits	CSA	8	8	1
	HORIZON-CL6-2022-GOVERNANCE-01-02: European Partnership for a climate neutral, sustainable and productive Blue Economy	Co-fund action		23	1
	HORIZON-CL6-2022-GOVERNANCE-01-03: Multi-layer governance performance of marine policies	RIA	6	6	1
	HORIZON-CL6-2022-GOVERNANCE-01-04: Consumer-focused labelling options for bio-based products	CSA	3	3	1
	HORIZON-CL6-2022-GOVERNANCE-01-05: Innovative tools and methods to evaluate the design and support, monitoring and implementation of effective CAP Strategic Plans	CSA	4	4	1
	HORIZON-CL6-2022-GOVERNANCE-01-06: Water governance, economic and financial sustainability of water systems	RIA	3	10	3
			54		

D7. Innovative governance, environmental observation and digital solutions in support of the Green Deal 2022 (2)

		Type action	EU contrib/	Budget/	n°pj
Deploying and adding value to Environmental Observations	HORIZON-CL6-2022-GOVERNANCE-01-07: New technologies for acquiring in-situ observation datasets to address climate change effects	IA	3	20	6
	HORIZON-CL6-2022-GOVERNANCE-01-08: Uptake and validation of citizen observations to complement authoritative measurement within the urban environment and boost related citizen engagement	IA	(3 - 5)	14	3
	HORIZON-CL6-2022-GOVERNANCE-01-09: Environmental observations solutions contributing to meeting “One Health” challenges	RIA	5	10	2
			44		
Digital and data technologies as key enablers	HORIZON-CL6-2022-GOVERNANCE-01-10: Piloting approaches and tools to empower citizens to exercise their “data rights” in the area of food and nutrition	RIA + Cascade funding	4	8	2
	HORIZON-CL6-2022-GOVERNANCE-01-11: Upscaling (real-time) sensor data for EU-wide monitoring of production and agri-environmental conditions	RIA	5 - 7,5	15	3
			23		

D7. Innovative governance, environmental observation and digital solutions in support of the Green Deal 2022 (3)

		Type action	EU contrib/	Budget/	n°pj
Strengthening agricultural knowledge and innovation systems	HORIZON-CL6-2022-GOVERNANCE-01-12: Thematic networks to compile and share knowledge ready for practice	CSA	3	9	3
	HORIZON-CL6-2022-GOVERNANCE-01-13: Broaden EIP Operational Group outcomes across borders by means of thematic networks, compiling and sharing knowledge ready for practice	CSA	2	4	2
	HORIZON-CL6-2022-GOVERNANCE-01-14: Improving preparation of multi-actor projects to enable the relevant actors to work in a co-creative way	CSA	5	5	1
	HORIZON-CL6-2022-GOVERNANCE-01-15: Developing EU advisory networks on water use	CSA	4	8	2
				26	
				147	



Key Novelties:

Clúster 6

European INNOVATION Council

R&I MISSIONS

New approach to PARTNERSHIPS

Misiones en Clúster 6

Healthy **OCEANS, SEAS, COASTAL** and **INLAND WATERS**



Adaptation to **CLIMATE CHANGE**, including **SOCIETAL TRANSFORMATION**



Mission areas



CANCER

Climate-neutral and smart **CITIES**



SOIL Health and Food

Comunicación CE

29/09/2021



[Missions in Horizon Europe | European Commission \(europa.eu\)](https://european-commission.eu)

Misión – Un pacto sobre el suelo para Europa

Fact sheet



EU MISSIONS
SOIL DEAL FOR EUROPE

29 September 2021

Concrete solutions for our greatest challenges

CHALLENGES

- 60-70% of EU soils are considered "unsuitable".
- About 70% of agricultural land in the EU uses excessive nutrients with a negative impact on water quality and biodiversity.
- About 25% of land in Southern, Central and Eastern Europe is at high or very high risk of desertification.
- Soil degradation in the EU costs more than €50 billion per year.

OPPORTUNITIES

- Create effective partnerships for soil protection and soil restoration.
- Contribute to sustainable farming and forestry, healthy and safe food systems, climate resilience, biodiversity and other Green Deal ambitions.
- Support the EU's ambition to lead on the Sustainable Development Goals.

GOAL

Create 100 living labs and lighthouses to lead the transition towards healthy soils

ACTIONS

- The Horizon Europe programme will provide €320 million in seed funding during the period 2021-23 to help deliver on the mission.
- Launch the first wave of living labs in regions all over Europe.
- Set up an international research consortium on soil carbon sequestration and establish a coordination platform to oversee the network of 100 living labs and lighthouses.
- Launch a campaign on soil health by the European Innovation Partnership on Agriculture (IP-AGRI) with a focus on the farming and forestry sectors.

European Union
European Commission

Plan de implementación



European Commission

European Missions

A Soil Deal for Europe

100 living labs and lighthouses to lead the transition towards healthy soils by 2030

Implementation Plan

Research and Innovation

This is an internal working document of the European Commission. The European Commission neither endorses nor disendorses the views expressed in this document and does not accept any responsibility for its content. The Commission is not liable for any consequences arising from the use of the information contained in this document.

[EU Mission: A Soil Deal for Europe | European Commission \(europa.eu\)](https://europea.eu/mission-soil-deal)

[soil mission implementation plan final for publication.pdf \(europa.eu\)](https://europea.eu/mission-soil-deal/implementation-plan)

Misión – Restaurar nuestro océano y aguas en el 2030



EUROPEAN UNION

EU MISSIONS

RESTORE OUR OCEAN AND WATERS

29 September 2021

Concrete solutions for our greatest challenges

CHALLENGES

Man-made changes are putting our ocean and waters at a serious risk, leading to:

- Pollution;
- Biodiversity loss;
- Extreme weather events such as floods, droughts and heatwaves.

OPPORTUNITIES

- **Climate neutrality:** the ocean and waters are major carbon sinks and are essential for adaptation to climate change
- **Biodiversity:** the ocean and waters are home to a rich diversity of species.
- **Economic prosperity:** the ocean is estimated to generate €2.5 trillion per year by 2030

GOAL

Restore our ocean and waters by 2030

ACTIONS

- The Horizon Europe programme, the European Maritime Fisheries and Aquaculture Fund, Invest EU and other EU programmes will provide around **€500 million** in seed funding during the period 2021-23;
- Create a **network of lighthouses at sea and river basin scale** to implement the mission and expand the networks of marine protected areas;
- Establish an **EU-wide 'Blue Parks' initiative** to provide new restoration and conservation opportunities;
- Support **effective water management** through a digital knowledge system with a European Twin Ocean and improved environmental monitoring of ocean health.



European Commission

European Missions








Restore our Ocean and Waters by 2030

Implementation Plan

[EU Mission: Restore our Ocean and Waters | European Commission \(europa.eu\)](https://european-council.europa.eu/media/en/press-room/pages/press-room.aspx?pid=34277)

[Final outline implementation plans \(europa.eu\)](https://european-council.europa.eu/media/en/press-room/pages/press-room.aspx?pid=34277)

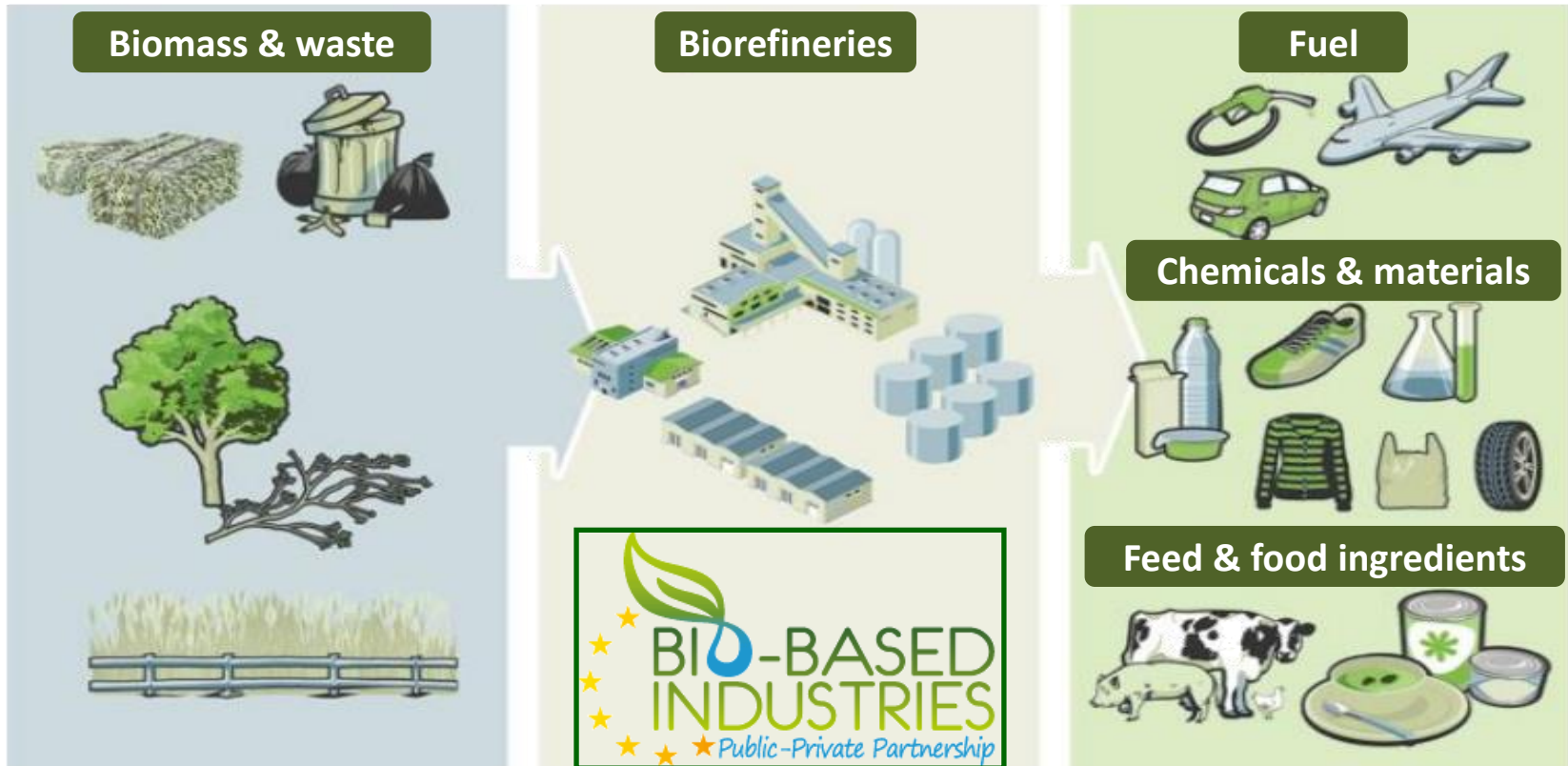
Partenariados co-financiados en CL6

	Co-funded partnership	Work Programme where the topic is introduced	HE expected contribution (7 years; mIn EUR)
	Rescuing biodiversity to safeguard life on Earth	2021-2022	165
	A climate neutral, sustainable and productive Blue Economy	2021-2022	150
	European Partnership Water Security for the Planet (Water4All)	2021-2022	126
	Accelerating farming systems transition: agroecology living labs and research infrastructures	2023-2024	150
	Animal health: fighting infectious diseases	2023-2024	180
	Environmental observations for a sustainable EU agriculture	2023-2024	100
	Safe and sustainable food systems for people, planet and climate	2023-2024	175

El presupuesto que se destinará a los partenariados co-financiados será de 1.000 millones de euros aproximadamente (dependiendo de la aportación de los EEMM)

A la JU Circular Bio-based Europe se le destinarán alrededor de 1.000 millones de euros.

Objetivo de “Circular Bio-Based Europe”



Eventos de interés



[Cluster 6 - Food, Bioeconomy, Natural Resources, Agriculture & Environment | European Commission \(europa.eu\)](https://europa.eu/europa/es/cluster6)

Infoday nacional CDTI – el 10 de noviembre (virtual)

https://eventos.cdti.es/ES/Infoday_Nacional_HE_Cluster6_Convc2022

Taller de apoyo a coordinadores –13 de enero 2022 (virtual)

El equipo CDTI de Clúster 6



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www.HorizonteEuropa.es
www.cdti.es

Portal español de Horizonte Europa

<https://www.horizonteeuropa.es/>

HORIZONTE



GOBIERNO

MINISTERIO

Telegram

RSS

21 Abr
10:00

#HorizonEU



Webinar "A Successful Proposal For Horizon Europe: Scientific-Technical Excellence Is Key, But Don't Forget The Other Aspects"

La Comisión Europea organiza un nuevo seminario para informar sobre cómo preparar una

< ABRIL 2021 >

L	M	M	J	V	S	D
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

eventos »



Horizonte2020: España encara la recta final del programa consolidando su cuarta posición

[Leer más »](#)



Plan de Incentivación para la participación española en Horizonte Europa

[Leer más »](#)



La Comisión Europea publica el primer Plan Estratégico para Horizonte Europa

[Leer más »](#)



Telegram



RSS



PUNTOS NACIONALES DE CONTACTO



CÓMO PARTICIPAR



¡ÚNETE A NOSOTROS!



NCPs del Clúster 6

Puntos nacionales de contacto

Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medioambiente



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Documentos clave para trabajar

Reference documents – [Horizon Europe](#):

- [Work Programme HE- Cluster 6 2021-2022](#)
- [Horizon Europe Work Programme 2021-2022. 1. General Introduction](#)
- [Horizon Europe Work Programme 2021-2022. 13. General Annexes](#)
- [Standard Proposal template \(RIA&IA\) + Standard Application Form \(HE RIA, IA stage 1\)](#)
- [Evaluation Form RIA/IA](#)
- [Standard Proposal template \(CSA\)](#)
- [Evaluation Form CSA](#)
- [EU Funding & Tenders Online Manual EU Funding Programmes 2021-2027](#)
- [Horizon Europe – Programme Guide](#)
- [EU Grants. AGA – Annotated Model Grant Agreement](#)



Algunos eventos.....

25-26
Octubre

- **InfoDay Comisión**



[Event recording and presentations](#)

10
Noviembre

- **Infoday Nacional**



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[https://eventos.cdti.es/ES/Infoday Nacional HE Cluster6 Convc2022](https://eventos.cdti.es/ES/Infoday_Nacional_HE_Cluster6_Convc2022)

Noviembre -
Diciembre

- **Eventos difusión CCAA**

13 / Enero
(2022)

- **Taller Coordinadores Propuestas**



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+ info sobre programas y ayudas
para la
internacionalización de la I+D+I española



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