

#HorizonEU

# HORIZON EUROPE

## CLUSTER 6 Y CLUSTER 5 (PARTE CLIMA)

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



@CDTIoficial

# Horizonte Europa – Clúster 6

## *Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medio Ambiente*

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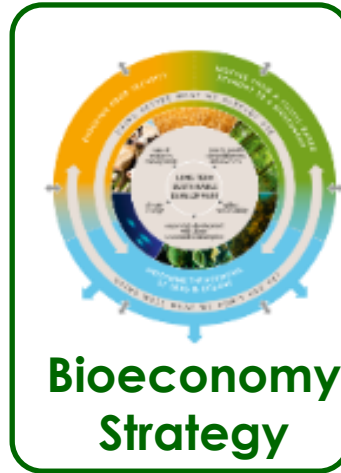
Infoday Principado de Asturias , 23 de noviembre 2021

*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		
		<b>Clúster 6 - Alimentación, bioeconomía recursos naturales, agricultura y medio ambiente</b>	<b>8.952</b>		
		JRC – Centro Común de Investigación	1.970		
<b>Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación</b>			<b>3.393</b>		
Ampliar la participación y difundir la excelencia			2.955		
Reformar y mejorar el sistema europeo de la I+i			438		

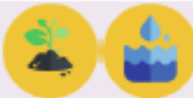

# Clúster 6. Contribución a políticas y estrategias



# El Pacto Verde Europeo y el Clúster 6



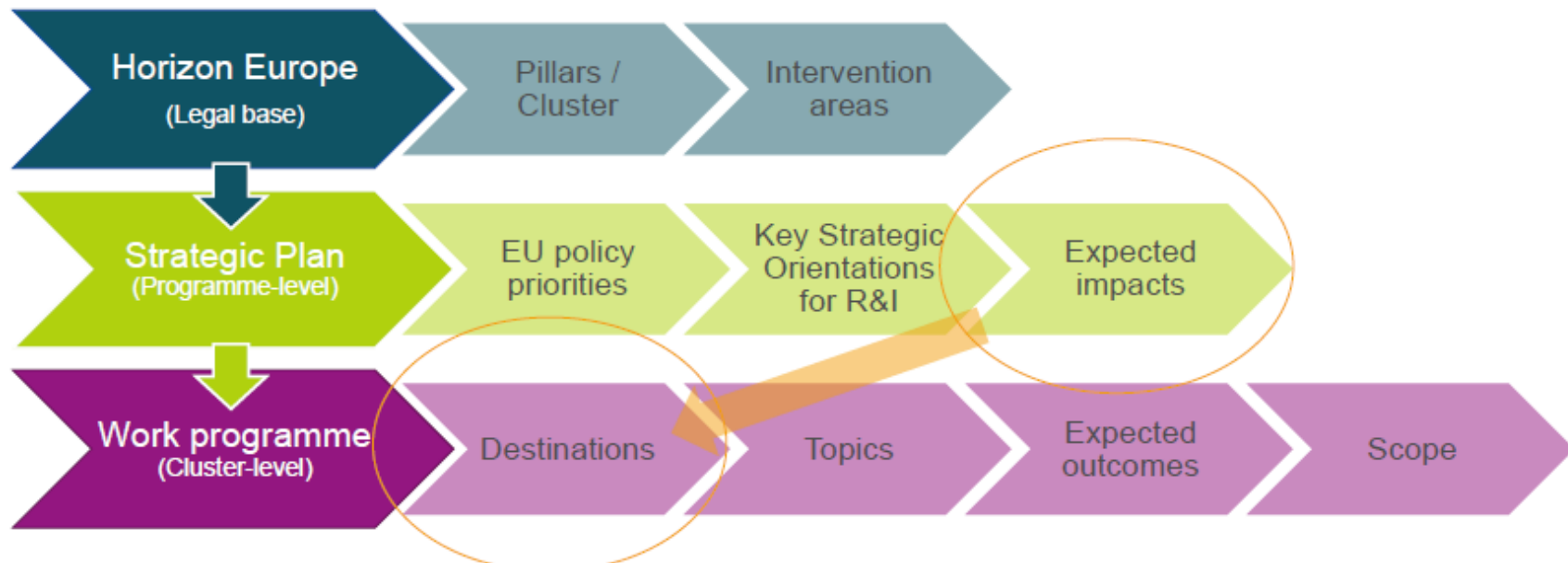
# Clúster 6 – presupuesto a lo largo de 7 años

<b>Overall budget</b>	<b>€8.952 billion</b>
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

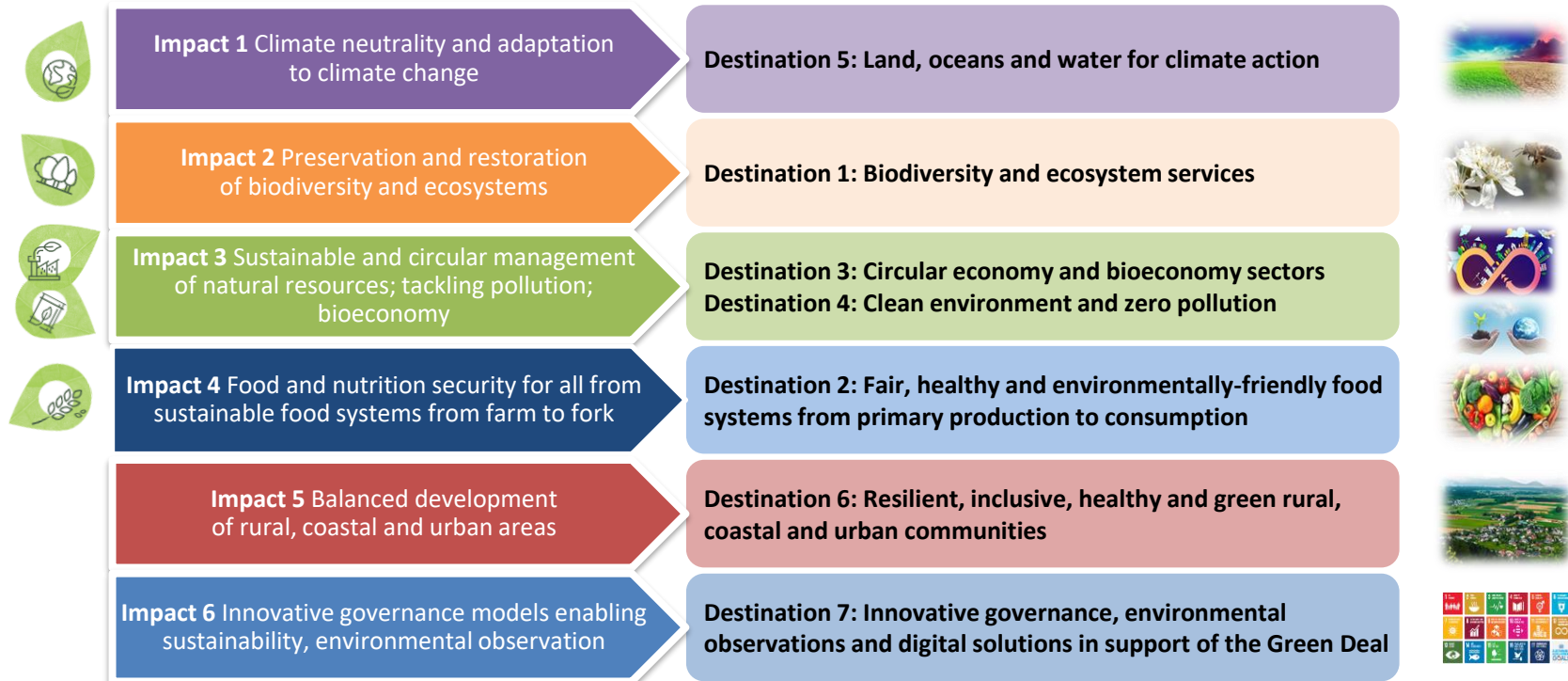




# De la planificación estratégica al WP

## Strategic Plan

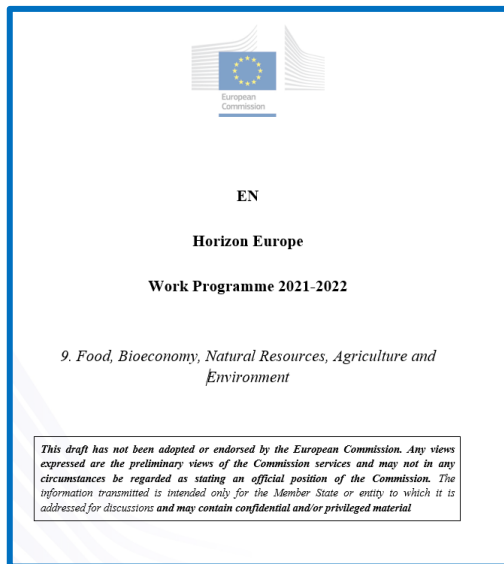
## Work Programme



## 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*

• Deeper understanding of the structural composition of microbiomes, their structure,

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	<b>15/02/2022</b>		10
	<b>HORIZON-CL6-2022-BIODIV-02</b>		<b>01/09/2022</b>	<b>3</b>
Fair, healthy and environmentally-friendly food systems from primary production to consumption	HORIZON-CL6-2022-FARM2FORK-01			15
	<b>HORIZON-CL6-2022-FARM2FORK-02</b>		<b>06/09/2022</b>	<b>5</b>
Circular economy and bioeconomy sectors	HORIZON-CL6-2022-CircBio-01			7
	<b>HORIZON-CL6-2022-CircBio-02</b>		<b>01/09/2022</b>	<b>6</b>
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
	<b>HORIZON-CL6-2022-COMMUNITIES-02</b>		<b>06/09/2022</b>	<b>2</b>
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%
<b>Total</b>	<b>77</b>	<b>100%</b>	<b>100%</b>

\*climate neutral, sustainable and productive Blue Economy

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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

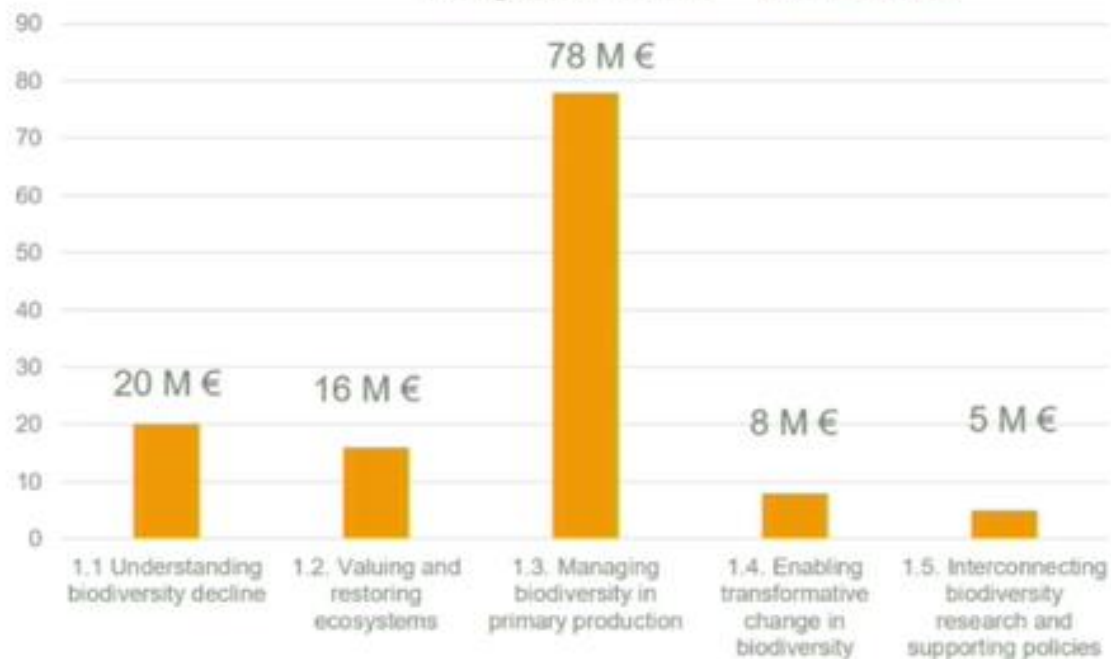


Interconnecting biodiversity research and supporting policies

1 topic  
€5 million

# CALLS BIODIVERSITY AND ECOSYSTEM SERVICES

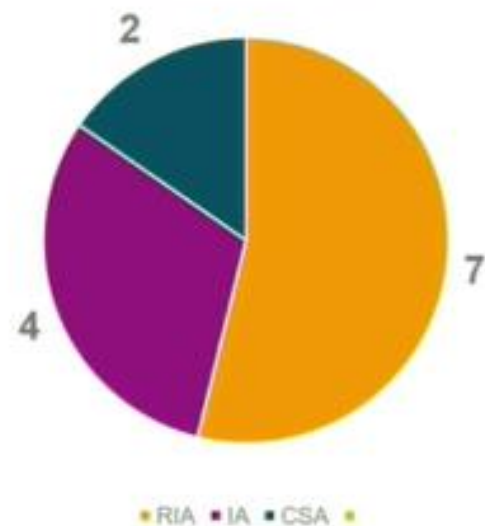
Budget 2022 calls 141 M EUR



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

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

# 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 <b>nexus of extraction, production, consumption, trade and behaviour</b> patterns and of climate change action <b>on biodiversity</b> in the context of transformative change	RIA	3	12	4
	HORIZON-CL6-2022-BIODIV-01-09: Understanding the <b>role of behaviour, gender specifics, lifestyle, religious and cultural values</b> , and addressing the <b>role of enabling players</b> (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: <b>Cooperation with the Convention on Biological Diversity</b>	CSA	5	5	1
				5	
			141		

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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



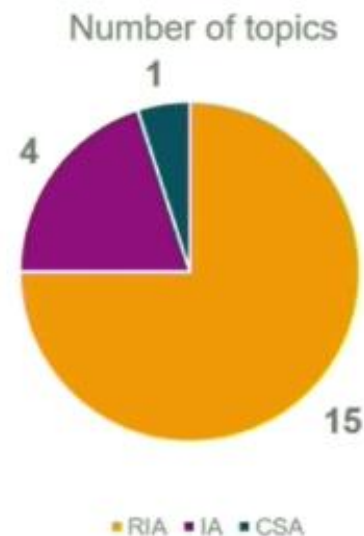
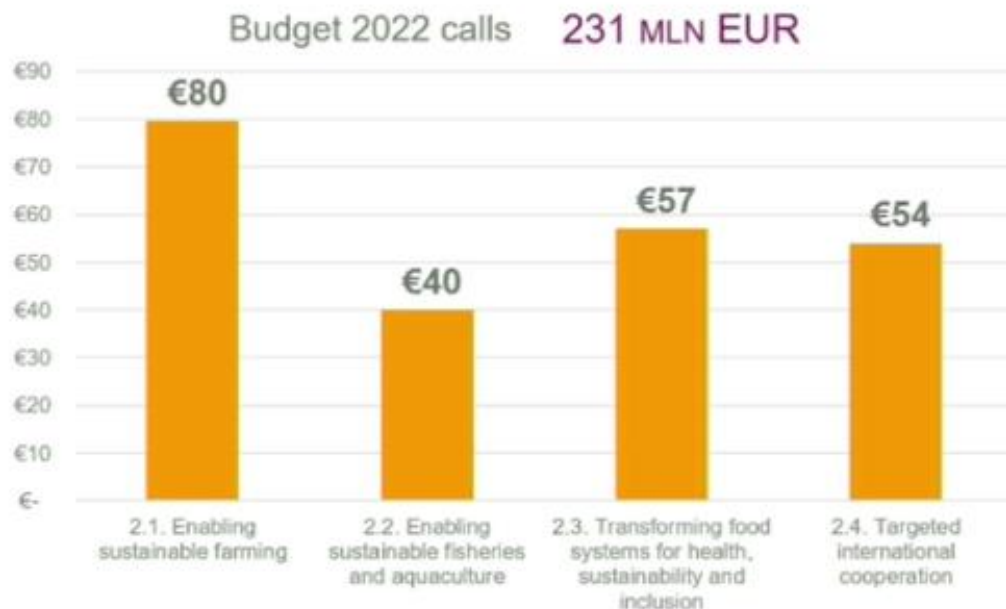
**Targeted international cooperation**

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

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

Type action/ EU contrib / Budget / nºpj

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



# 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 <b>alternative protein-friendly sustainable and healthy food environments</b>	IA	12	12	1
	HORIZON-CL6-2022-FARM2FORK-01-08: Research and innovation for <b>food losses and waste prevention</b> and reduction through harmonised measurement and monitoring	RIA	7	14	2
	HORIZON-CL6-2022-FARM2FORK-01-09: <b>Microbiomes in food production systems</b>	RIA	5	10	2
	HORIZON-CL6-2022-FARM2FORK-01-10: <b>Integrated surveillance</b> system to <b>prevent and reduce diet-related non communicable diseases</b> (NCDs)	RIA	11	11	1
	HORIZON-CL6-2022-FARM2FORK-01-11: Effective systems for <b>authenticity and traceability in the food system</b>	RIA	10	10	1
				<b>57</b>	

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

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

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

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

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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**



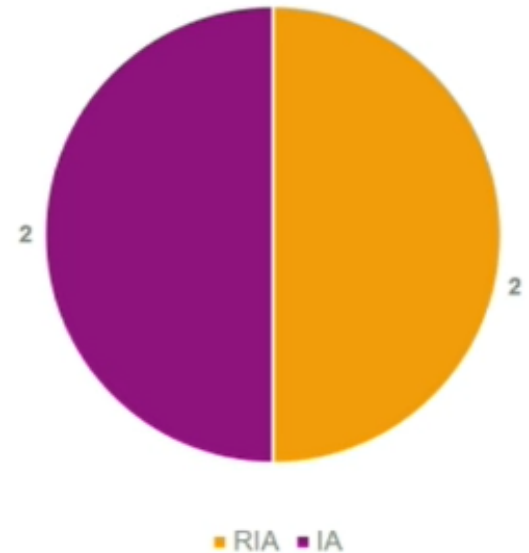
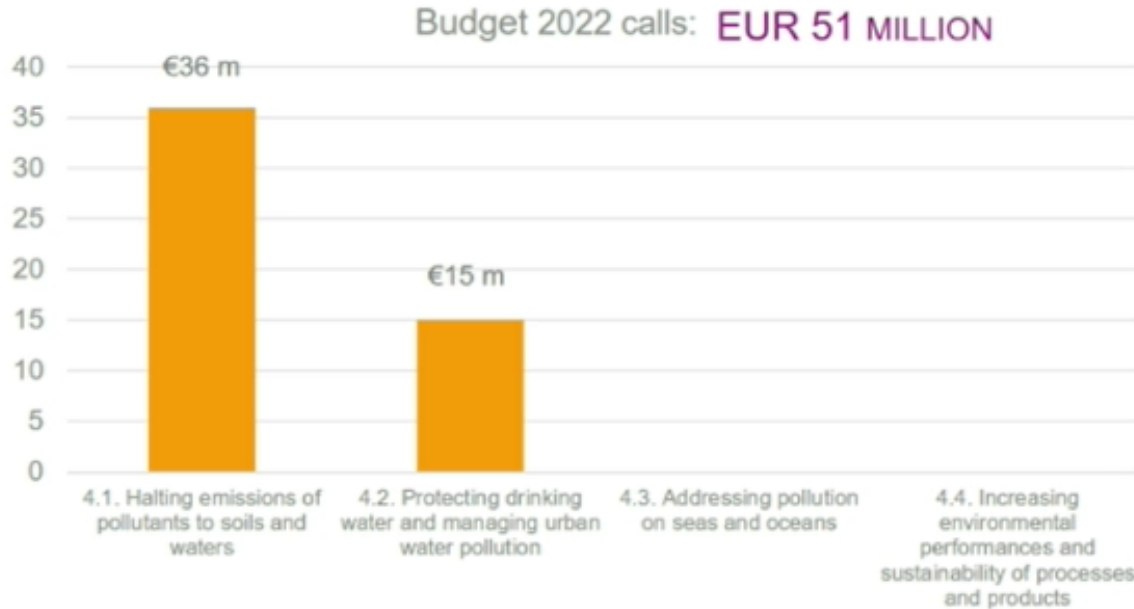
# CALL CLEAN ENVIRONMENT AND ZERO POLLUTION WP2022

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

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CALL HORIZON-CL6-2022-CLIMATE-01

## Destination 5: Land, ocean and water for climate action



# D5. Land, oceans and water for climate action

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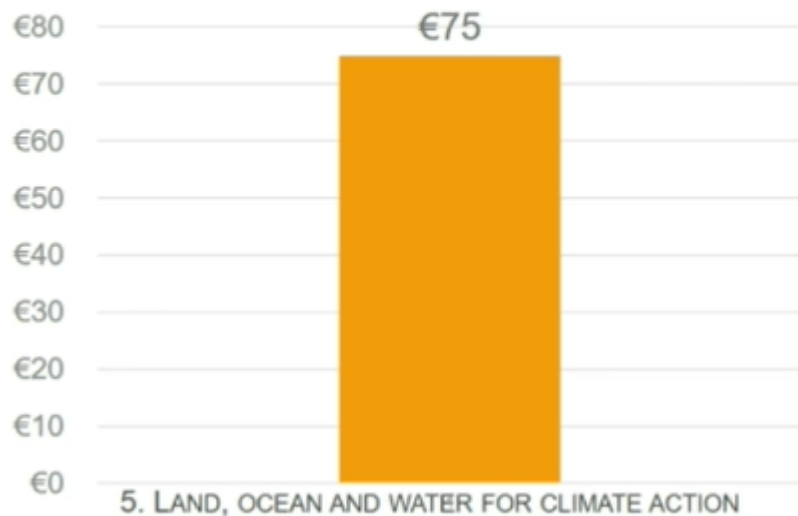
- **Impacts of climate change** on land and marine environments, natural resources, agriculture, forestry and food systems.
- **Fresh water resources-** EP Water4All. Co-fund action-starting 2021.
- Strengthening the **ocean and climate nexus**.
- **Mitigation potential of ecosystems** and sectors. The 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

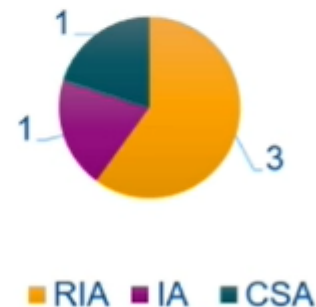
Call HORIZON-CL6-2022-CLIMATE-01

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

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

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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

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- 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

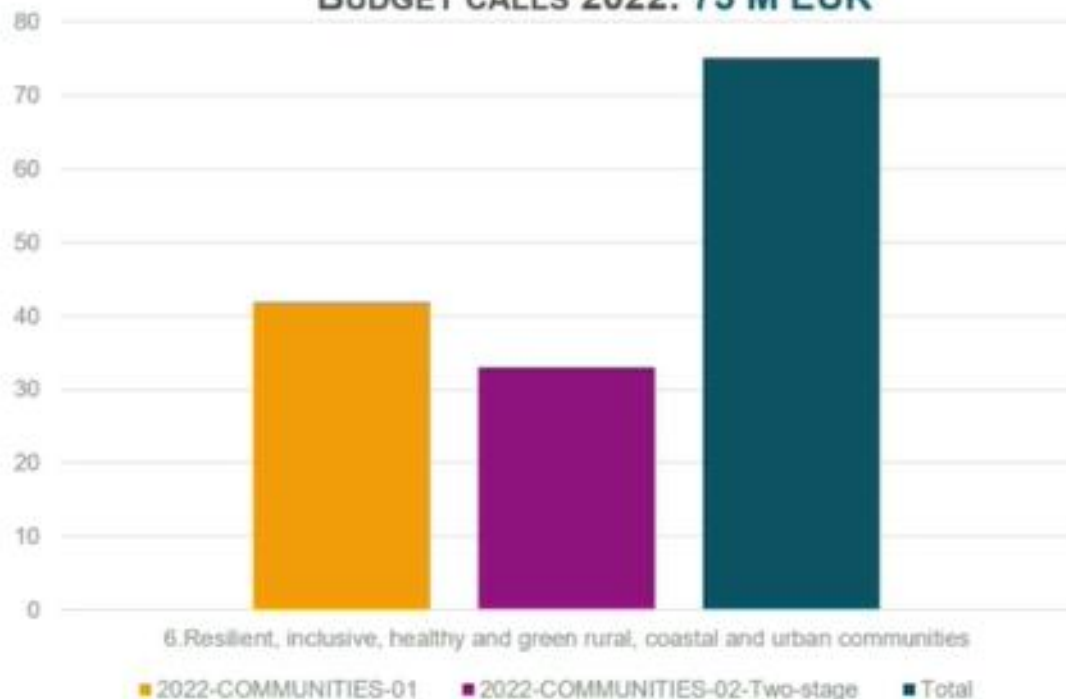




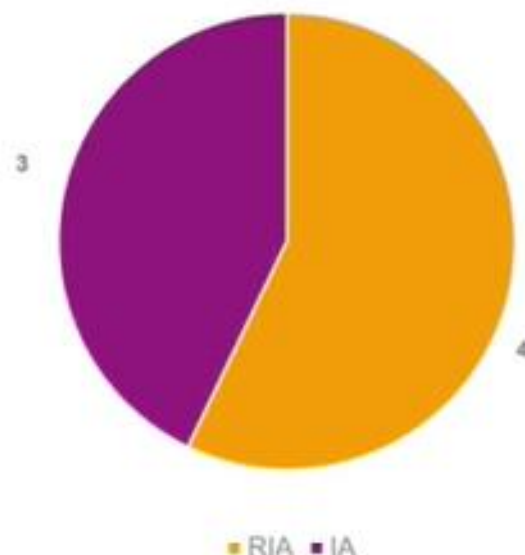
# RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES

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 <b>women-led innovation in farming and rural areas</b>	RIA	3	6	2
	HORIZON-CL6-2022-COMMUNITIES-01-02: <b>Assessing and improving labour conditions and health and safety at work in farming</b>	RIA	5	5	1
	HORIZON-CL6-2022-COMMUNITIES-01-03: Integration of <b>marine ecosystem service valuation, conservation and restoration</b> in socio-economic models	IA	9	9	1
	HORIZON-CL6-2022-COMMUNITIES-01-04: <b>Social innovation in food sharing to strengthen urban communities' food resilience</b>	IA	10	10	1
	HORIZON-CL6-2022-COMMUNITIES-01-05: <b>Assessing the socio-politics of nature-based solutions</b> for more inclusive and resilient communities	RIA	6	12	2
	HORIZON-CL6-2022-COMMUNITIES-02-01-two-stage: <b>Smart solutions for smart rural communities</b> : 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: <b>Developing nature-based therapy for health and well-being</b>	RIA	6	19	3
			75		

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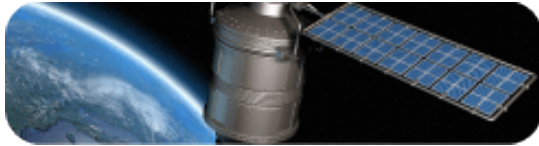
HORIZON-CL6-2022-GOVERNANCE-01

**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

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- 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:**

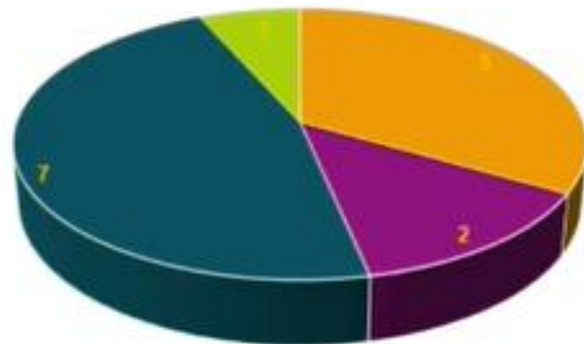
**7 CSAs**

**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: <b>Mobilization of society to transform food systems</b> for co-benefits	CSA	8	8	1
	HORIZON-CL6-2022-GOVERNANCE-01-02: <b>European Partnership</b> for a climate neutral, sustainable and productive <b>Blue Economy</b>	Co-fund action		23	1
	HORIZON-CL6-2022-GOVERNANCE-01-03: <b>Multi-layer governance</b> performance of <b>marine policies</b>	RIA	6	6	1
	HORIZON-CL6-2022-GOVERNANCE-01-04: <b>Consumer-focused labelling</b> options for <b>bio-based products</b>	CSA	3	3	1
	HORIZON-CL6-2022-GOVERNANCE-01-05: <b>Innovative tools and methods to evaluate the design and support, monitoring and implementation of effective CAP Strategic Plans</b>	CSA	4	4	1
	HORIZON-CL6-2022-GOVERNANCE-01-06: <b>Water governance, economic and financial sustainability of water systems</b>	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: <b>New technologies</b> for acquiring <b>in-situ observation datasets to address climate change effects</b>	IA	3	20	6
	HORIZON-CL6-2022-GOVERNANCE-01-08: <b>Uptake and validation of citizen observations</b> to complement authoritative measurement within the <b>urban environment</b> and boost related <b>citizen engagement</b>	IA	(3 - 5)	14	3
	HORIZON-CL6-2022-GOVERNANCE-01-09: <b>Environmental observations</b> solutions contributing to meeting <b>“One Health” challenges</b>	RIA	5	10	2
			<b>44</b>		
Digital and data technologies as key enablers	HORIZON-CL6-2022-GOVERNANCE-01-10: <b>Piloting approaches</b> and tools to <b>empower citizens</b> to exercise their <b>“data rights” in the area of food and nutrition</b>	RIA + Cascade funding	4	8	2
	HORIZON-CL6-2022-GOVERNANCE-01-11: <b>Upscaling (real-time) sensor data for EU-wide monitoring of production and agri-environmental conditions</b>	RIA	5 - 7,5	15	3
			<b>23</b>		

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

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





## 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 "unsustainable".
- 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.

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## 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**

This is an internal working document of the European Commission. Therefore the content does not constitute and the document is not intended to be a binding act for implementation only and does not bind the European Commission. The European Commission is not liable for any consequences arising from the use of the information contained in this document.

Research and Innovation

[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-operations/infographic-114336.attachments)

[Final outline implementation plans \(europa.eu\)](https://european-council.europa.eu/media/en/press-operations/infographic-114336.attachments)

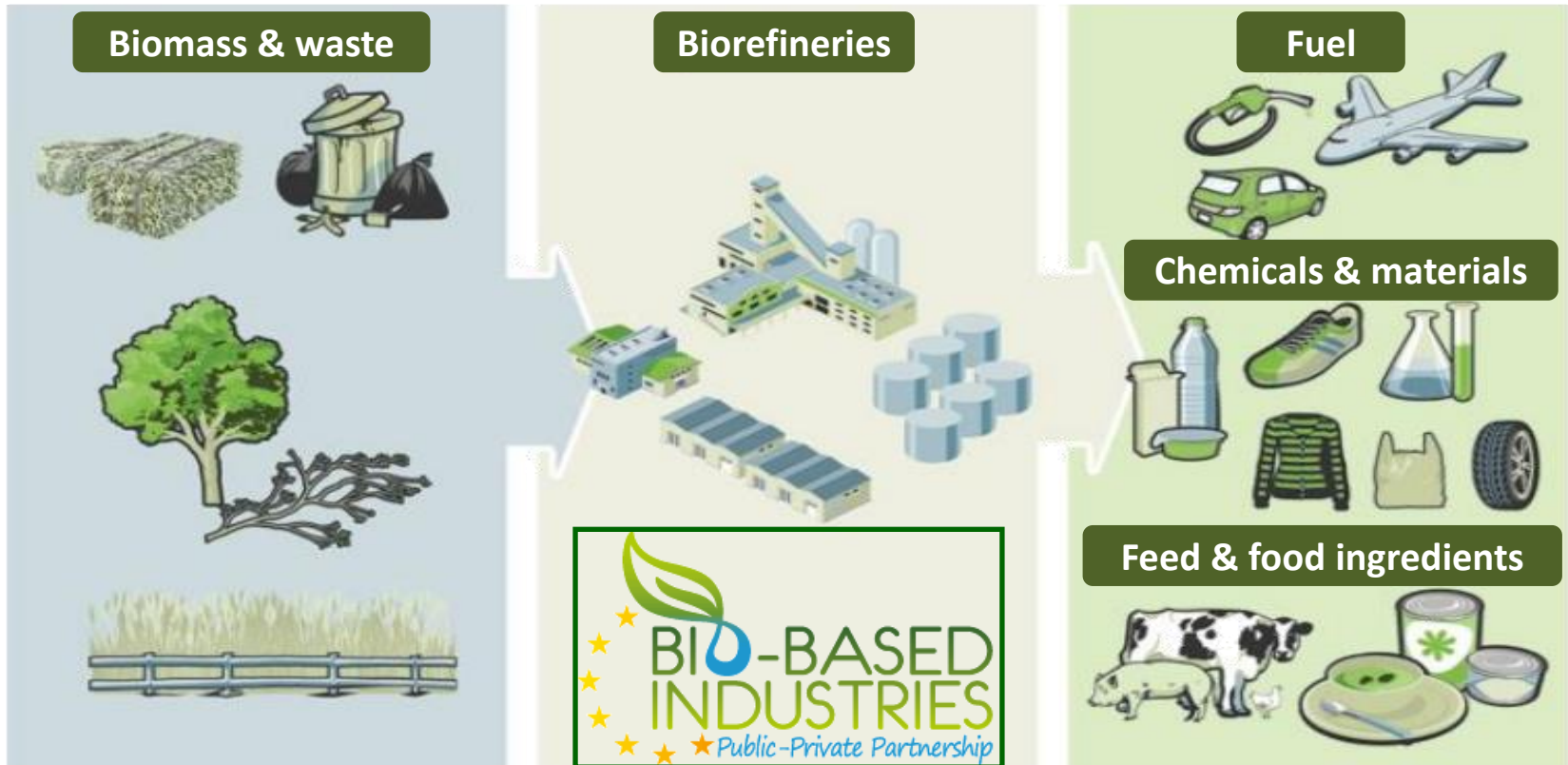
# Partenariados co-financiados en CL6

	Co-funded partnership	Work Programme where the topic is introduced	HE expected contribution (7 years; mln 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://www.europa.eu/cluster6)



Infoday nacional CDTI – el 10 de noviembre (virtual)

[https://eventos.cdti.es/ES/Infoday\\_Nacional\\_HE\\_Cluster6\\_Convc2022](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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# 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**



@CDTIoficial

[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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