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Horizonte Europa - Clúster 6

Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medio Ambiente

Oportunidades en el Clúster 6 - convocatorias 2024



Marta Conde
NCPs Clúster 6
Departamento de Retos Sociales. CDTI
marta.conde@cdti.es
Murcia, 8 de noviembre 2023

Horizonte Europa – Clúster 6

PILAR 1 – CIENCIA EXCELENTE	25.011	PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA	53.516	PILAR 3 – EUROPA INNOVADORA	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		

* Presupuesto en M€ (precios corrientes)

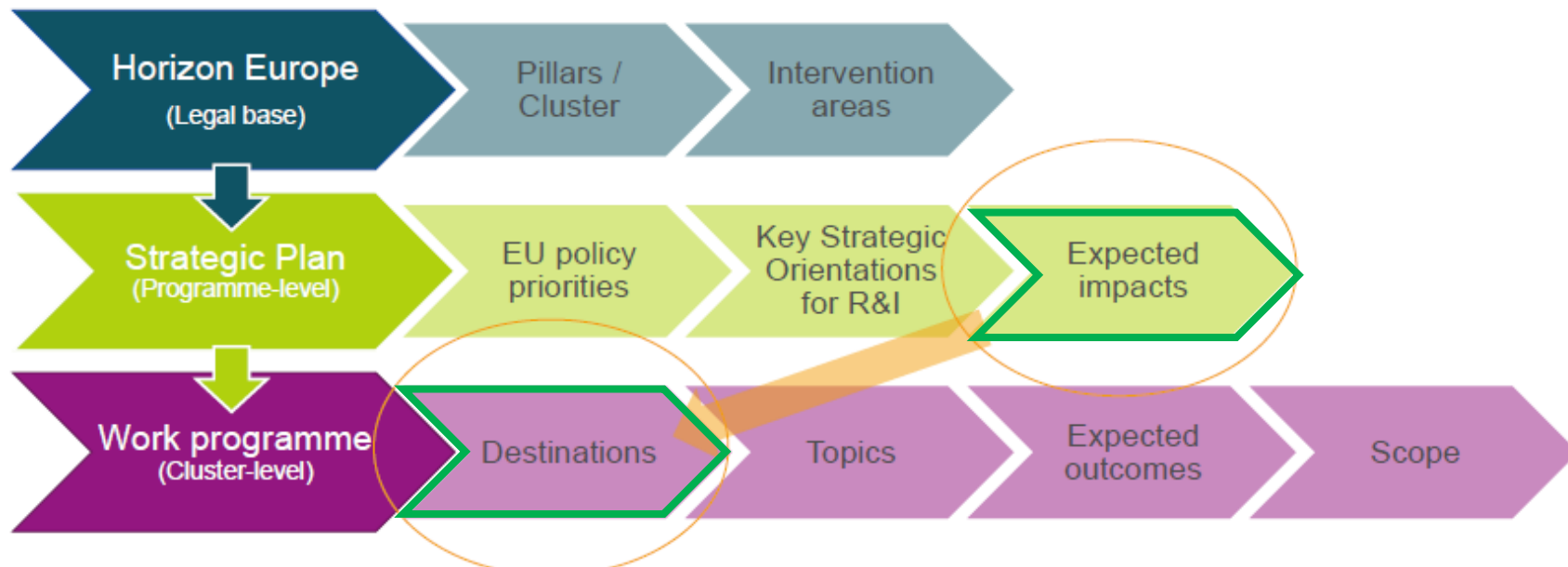
** Fondos de NextGenerationEU incluidos

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

Clúster 6 – Presupuesto 2021-2027

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

Horizonte Europa – de la base legal al programa de trabajo



Cluster 6. 7 Áreas de Intervención muy amplias



*Environmental
Observation*



*Biodiversity,
Natural Capital*



*Agriculture &
Forestry*



Food Systems



*Seas, Oceans &
Inland Waters*



*Bio-based
Systems*



*Circular
Systems*

De la planificación estratégica al WP

Strategic Plan 2021-2024

Work Programmes 2021-22 / 2023-24



Clúster 6, contribuyendo a políticas y estrategias

SUSTAINABLE DEVELOPMENT GOALS



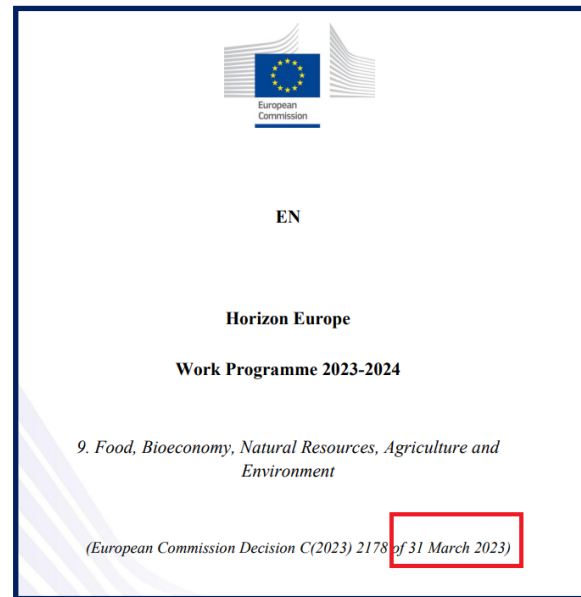
Clúster 6 → Programa de Trabajo 2023-2024

Oportunidades de financiación

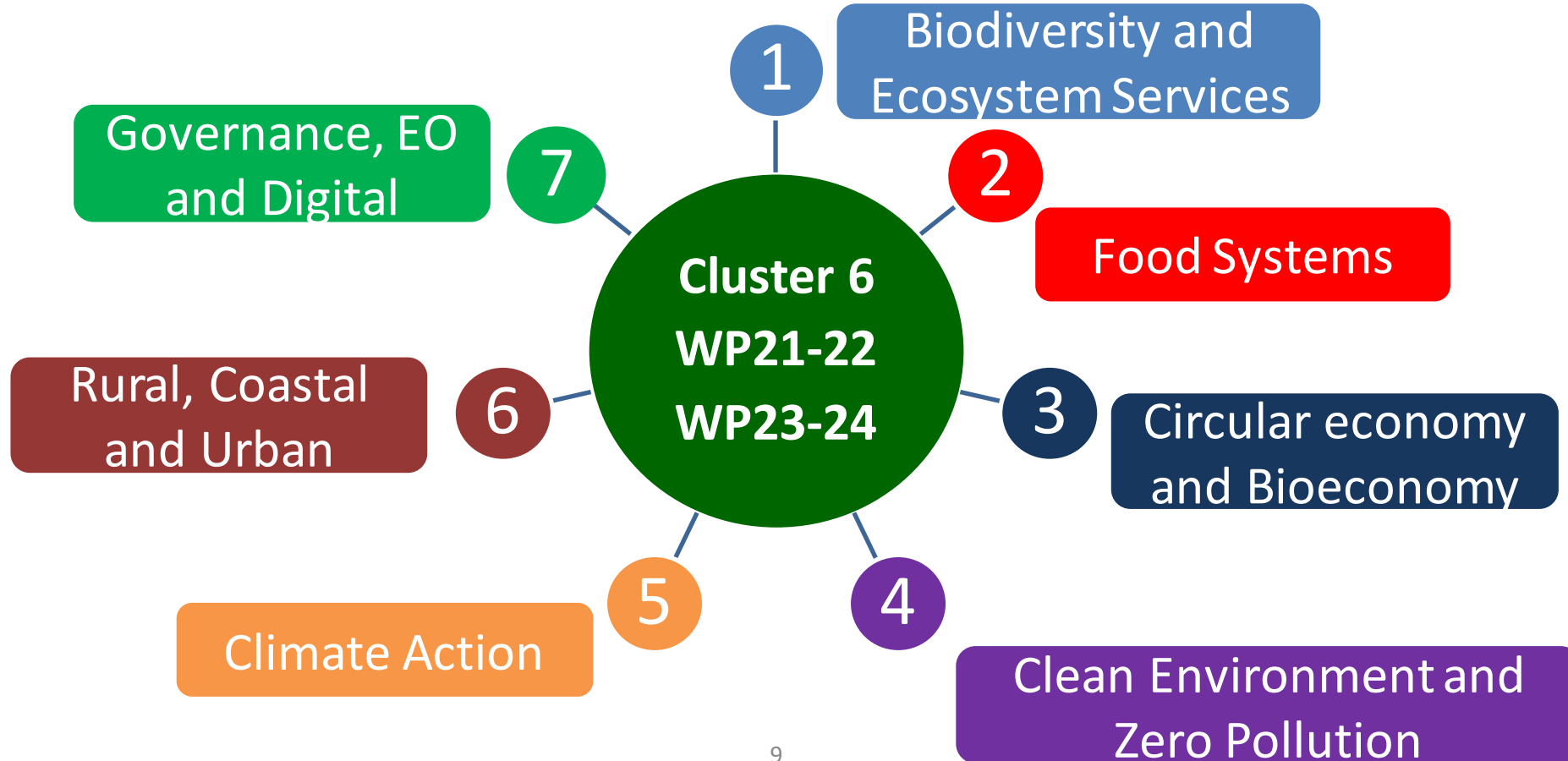
Funding and Tenders Portal – Reference

Documents

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-9-food-bioeconomy-natural-resources-agriculture-and-environment_horizon-2023-2024_en.pdf



7 Destinations – 1st Strategic Plan



Convocatorias 2024 – apertura 17/10/2023

CALL 2024	Opening date	First stage closing date	Closing date/ second stage closing date	Buget (mio€)
HORIZON-CL6-2024-BIODIV-01	17/10/2023		22/02/2024	76
HORIZON-CL6-2024-FARM2FORK-01			22/02/2024	95
HORIZON-CL6-2024-CircBio-01			22/02/2024	74,5
HORIZON-CL6-2024-ZEROPOLLUTION-01			22/02/2024	38
HORIZON-CL6-2024-CLIMATE-01			22/02/2024	75
HORIZON-CL6-2024-COMMUNITIES-01			22/02/2024	15
HORIZON-CL6-2024-GOVERNANCE-01			28/02/2024	133,5
HORIZON-CL6-2024-BIODIV-02-two-stages	17/10/2023	22/02/2024	17/09/2024	36
HORIZON-CL6-2024-FARM2FORK-02-two-stages		22/02/2024	17/09/2024	69
HORIZON-CL6-2024-CircBio-02-two-stages		22/02/2024	17/09/2024	73
HORIZON-CL6-2024-ZEROPOLLUTION-02-two-stages		21/02/2024	17/09/2024	23
HORIZON-CL6-2024-COMMUNITIES-02-two-stages		22/02/2024	17/09/2024	22
				730

DESTINATION 1



Biodiversity and Ecosystem Services



HORIZON-CL6-2024-BIODIV-01

Budget: 76mio€

17/10/2023 – 22/02/2024 (single stage)

2 IAs/7 RIAs



HORIZON-CL6-2024-BIODIV-02-two stage

Budget: 36mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

2 IAs/ 1 RIA



D1. CALLS BIODIVERSITY AND ECOSYSTEMS SERVICES WP2024



**Understanding
and addressing
the main drivers
of biodiversity
loss**

1 topic



**Biodiversity
protection and
restoration**

1 topic



**Mainstreaming
biodiversity in
society and
economy**

5 topic



**Biodiversity
friendly practices
in agriculture,
forestry and
aquaculture**

5 topic



**Biodiversity and
health**

0 topic



**Interconnection
of biodiversity
research and
policies**

0 topic



CALLS 2024 – BIODIVERSITY AND ECOSYSTEMS SERVICES

Type action/ EU contrib / Budget / nºpj/ TRL /

Understanding and addressing the main	HORIZON-CL6-2024-BIODIV-01-1: Invasive alien species	IA	6,0	12,0	2	6 - 7	LS	1 project per area (A and B); JRC
				12,0	2		1	
Biodiversity protection and restoration	HORIZON-CL6-2024-BIODIV-01-2: Digital for nature	IA	8,0	16,0	2	6 - 7		1 project per Area (A and B); JRC; Copernicus and/or Galileo/EGNOS
				16,0	2		0	
Mainstreaming biodiversity in society and the economy	HORIZON-CL6-2024-BIODIV-01-3: Dependence of society and the economy on pollinators	RIA	6,5	13,0	2			MAA
	HORIZON-CL6-2024-BIODIV-01-4: Biodiversity, economics and finance: Understanding macro-financial risks associated with biodiversity loss	RIA	5,0	5,0	1			
	HORIZON-CL6-2024-BIODIV-01-5: Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss	RIA	2,0	4,0	2			
	HORIZON-CL6-2024-BIODIV-02-1-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	8,0	16,0	2			Blind evaluation pilot
	HORIZON-CL6-2024-BIODIV-02-2-two-stage: Demonstrating the potential of Nature-based Solutions and the New European Bauhaus to contribute to sustainable, inclusive and resilient living spaces and communities	IA	5,0	10,0	2			Blind evaluation pilot; Geographical coverage as selection criteria
				48,0	9		0	

CALLS 2024 – BIODIVERSITY AND ECOSYSTEMS SERVICES



Biodiversity friendly practices in agriculture, forestry and aquaculture

Type action/ EU contrib / Budget / nºpj/ TRL /

HORIZON-CL6-2024-BIODIV-01-6: Promoting pollinator friendly farming systems	RIA	6,0	6,0	1			MAA
HORIZON-CL6-2024-BIODIV-01-7: Reintroduction of landscape features in intensive agricultural areas	RIA	5,0	5,0	1			JRC
HORIZON-CL6-2024-BIODIV-01-8: Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems	RIA	6,0	12,0	2			MAA; JRC
HORIZON-CL6-2024-BIODIV-01-9: Selective breeding programme for organic aquaculture	RIA	3,0	3,0	1	3 - 5		
HORIZON-CL6-2024-BIODIV-02-3-two-stage: Promoting minor crops in farming systems	RIA	5,0	10,0	2			MAA; Blind evaluation pilot
			36,0	7		0	

MAA: Multiactor approach, SSH – Social Sciences & Humanities,
LS: Lump sum, JRC Joint Research Centre

DESTINATION 2



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



HORIZON-CL6-2024-FARM2FORK-01

Budget: 95mio€

17/10/2023 – 22/02/2024 (single stage)

2 IAs / 8 RIAs / 1 CSA



HORIZON-CL6-2024-FARM2FORK-02-two stages

Budget: 69mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

5IAs / 2 RIAs

D2. FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



National, EU and global **food systems** are facing **sustainability challenges**, from primary production to consumption that could jeopardise food and nutrition security.

The **farm to fork strategy**, supports **transition** to more resilient and environmentally, socially and economically sustainable **food systems on land and at sea** that provide **healthy diets** for all and respect **planetary boundaries**.



Action plan for organic production in the EU



D2. FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION 2024



**Enabling sustainable
farming systems**

6 topic



**Enabling sustainable
fisheries and
aquaculture**

2 topic



**Transforming food
systems for health,
sustainability and
inclusion**

8 topic



**Targeted
international
cooperation**

2 topic

CALLS 2024. FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



Enabling sustainable farming systems

Type action/ EU contrib / Budget / nºpj/ TRL /

HORIZON-CL6-2024-FARM2FORK-01-1: Agro-pastoral/outdoor livestock systems and wildlife management	RIA	5,0	5,0	1		LS	MAA/SSH
HORIZON-CL6-2024-FARM2FORK-02-1-two-stage: Increasing the availability and use of non-contentious inputs in organic farming	IA	6,0	12,0	2	7 - 8		MAA; Blind evaluation pilot
HORIZON-CL6-2024-FARM2FORK-02-2-two-stage: Sustainable organic food innovation labs : reinforcing the entire value chain	IA	5,5	11,0	2	6 - 8		MAA; Blind evaluation pilot
HORIZON-CL6-2024-FARM2FORK-02-3-two-stage: Tools to increase the effectiveness of EU import controls for plant health	IA	4,0	8,0	2	6 - 7		MAA; Blind evaluation pilot
HORIZON-CL6-2024-FARM2FORK-02-4.-two-stage: Tackling outbreaks of plant pests	RIA	6,5	13,0	2			MAA; JRC; Blind evaluation pilot
HORIZON-CL6-2024-FARM2FORK-02-5-two-stage: Animal nutritional requirements and nutritional value of feed under different production conditions	RIA	7,0	7,0	1			Blind evaluation pilot

CALLS 2024. FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



Transforming food systems for health, sustainability and inclusion

Type action/ EU contrib / Budget / nºpj/ TRL /

HORIZON-CL6-2024-FARM2FORK-01-2: New healthy and sustainable food products and processes	RIA	5,0	10,0	2	4 - 5		MAA; JRC
HORIZON-CL6-2024-FARM2FORK-01-3: Thematic network tackling food fraud by translating research and innovation into practice	CSA	2,0	2,0	1		LS	MAA; JRC
HORIZON-CL6-2024-FARM2FORK-01-4: Climate change and food safety: effects of climate change on food safety hazards across food systems	RIA	4,0	8,0	2		LS	MAA
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	3,0	6,0	2	6 - 8	LS	MAA
HORIZON-CL6-2024-FARM2FORK-01-6: Citizens' science as an opportunity to foster the transition to sustainable food systems	RIA	5,0	10,0	2	3 - 5		MAA/SSH
HORIZON-CL6-2024-FARM2FORK-01-7: Impact of development of novel foods based on alternative sources of proteins	RIA	4,5	9,0	2			MAA
HORIZON-CL6-2024-FARM2FORK-01-8: Preventing and reducing food waste to reduce environmental impacts and to help reach 2030 climate targets	RIA	4,5	9,0	2			MAA; JRC
HORIZON-CL6-2024-FARM2FORK-01-9: Microbiome for flavour and texture in the organoleptic dietary shift	IA	4,5	9,0	2	6 - 8		MAA
		63,0		15		3	

CALLS 2024. FAIR, HEALTHY AND ENVIRONMENT-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



Enabling sustainable fisheries and aquaculture



Targeted international cooperation

Type action/ EU contrib / Budget / nºpj/ TRL /

Enabling sustainable fisheries and aquaculture	HORIZON-CL6-2024-FARM2FORK-02-6-two-stage: Minimising climate impact on fisheries : mitigation and adaptation solutions for future climate regimes	IA	4,5	9,0	2	6 - 7		JRC; SSH; Blind evaluation pilot
	HORIZON-CL6-2024-FARM2FORK-02-3-two-stage: Minimising climate impact on aquaculture : mitigation and adaptation solutions for future climate regimes	IA	4,5	9,0	2	6 - 7		JRC; SSH; Blind evaluation pilot
				18,0	4		0	
Targeted international cooperation	HORIZON-CL6-2024-FARM2FORK-01-10: EU-AU cooperation on agroforestry management for climate change adaptation and mitigation	RIA	6,0	18,0	3	3 - 5		MAA
	HORIZON-CL6-2024-FARM2FORK-01-11: EU-African Union – towards climate-neutral, social, just fair trade food systems	RIA - Cascading fund	4,5	9,0	2		LS	MAA; JRC; Third parties (60.000)
				27,0	5		1	

DESTINATION 3



Circular economy and bioeconomy sectors



HORIZON-CL6-2024-CircBio-01

Budget: 74,5mio€

17/10/2023 – 22/02/2024 (single stage)

4 Ias / 2 RIAs / 4 CSAs



HORIZON-CL6-2024-CircBio-02-two stages

Budget: 73mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

4 Ias / 2 RIAs



D3. CIRCULAR ECONOMY AND BIOECONOMY SECTORS 2024



Enabling a circular economy transition

8 topic



Innovating for sustainable bio-based systems, biotechnology and the bioeconomy

7 topic



Innovating for blue bioeconomy and biotechnology value chains

1 topic



Safeguarding and sustainably innovating the multiple functions of EU forests

0 topic

CALLS 2024. CIRCULAR ECONOMY AND BIOECONOMY SECTORS

Enabling a circular economy transition

Type action/ EU contrib / Budget / nºpj/ TRL /



HORIZON-CL6-2024-CIRCBIO-01-1: Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)	CSA	2,0	6,0	3		LS	
HORIZON-CL6-2024-CIRCBIO-01-2: Circular solutions for textile value chains based on extended producer responsibility	IA	7,0	14,0	2	6 - 8		
HORIZON-CL6-2024-CIRCBIO-01-3: Innovative circular solutions for furniture	IA	5,0	10,0	2	6 - 8		
HORIZON-CL6-2024-CIRCBIO-01-4: Systemic circular solutions for a sustainable tourism	IA	5,0	10,0	2	6 - 8		
HORIZON-CL6-2024-CIRCBIO-02-1-two-stage: Circular solutions for textile value chains through innovative sorting, recycling, and design for recycling?	RIA	5,0	15,0	3	5 - 6		Blind evaluation pilot
HORIZON-CL6-2024-CIRCBIO-02-2-two-stage: Increasing the circularity in plastics value chains	IA	5,0	10,0	2	6 - 8		Blind evaluation pilot
HORIZON-CL6-2024-CIRCBIO-02-3-two-stage: Increasing the circularity in electronics value chains	IA	5,0	10,0	2	6 - 8		Blind evaluation pilot
HORIZON-CL6-2024-CIRCBIO-02-4-two-stage: New circular solutions and decentralised approaches for water and wastewater management	IA	5,0	15,0	3	6 - 8		SSH; Blind evaluation pilot
			90,0	19		1	



CALLS 2024. CIRCULAR ECONOMY AND BIOECONOMY SECTORS

Type action/ EU contrib / Budget / nºpj / TRL /

Innovating sustainable bio-based systems, biotechnology and the bioeconomy	HORIZON-CL6-2024-CIRCBIO-01-5: Programmed biodegradation capability of bio-based materials and products , validated in specific environments	RIA	4,0	8,0	2	4 - 5	LS	
	HORIZON-CL6-2024-CIRCBIO-01-6: Digital information systems for bio-based products	RIA	3,0	6,0	2	5		
	HORIZON-CL6-2024-CIRCBIO-01-7: Demonstrating the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions	IA	6,0	6,0	1	6 - 7		MAA
	HORIZON-CL6-2024-CIRCBIO-01-8: Bioeconomy project development assistance	CSA	3,0	3,0	1		LS	MAA
	HORIZON-CL6-2024-CIRCBIO-01-9: Circular bioeconomy start-up villages	CSA	0,8	2,5	3		LS	MAA; Three areas (A, B and C), not selection criteria
	HORIZON-CL6-2024-CIRCBIO-02-5-two-stage: Circular-by-design bio-based technologies and products	RIA	4,0	8,0	2	5		SSH; Blind evaluation pilot
	HORIZON-CL6-2024-CIRCBIO-02-6-two-stage: From silos to diversity – small-scale bio-based demonstration pilots	IA - Cascading fund	5,0	15,0	3	44.748		MAA; Blind evaluation pilot; Third parties (60.000)
			48,5	14	3			
Innovating for blue bioeconomy and biotechnology value	HORIZON-CL6-2024-CIRCBIO-01-10: Targeting aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals	RIA	4,5	9,0	2	3 - 5		
			9,0	2	0			

DESTINATION 4



Clean environment and zero pollution



HORIZON-CL6-2024-ZEROPOLLUTION-01

Budget: 38mio€

17/10/2023 – 22/02/2024 (single stage)

1 RIA / 1 IA / 1 CSA



HORIZON-CL6-2024-ZEROPOLLUTION-02-two stages

Budget: 23mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

1 RIA / 1 IA



D4. CALLS CLEAN ENVIRONMENT AND ZERO POLLUTION WP2024



**Halting emissions of
pollutants to air, soils
and waters**

2 topic



**Drinking and urban
water pollution**

1 topic



**Increasing environmental
performances and
sustainability of processes
and products**

1 topic



**Reducing the
environmental impact
and pollution in food
systems**

1 topic

CALLS 2024 – CLEAN ENVIRONMENT AND ZERO POLLUTION

Type action/ EU contrib/Budget / nºpj / TRL /

Halting emissions of pollutants to air, soils and waters	HORIZON-CL6-2024-ZEROPOLLUTION-01-1: Demonstrating how regions can operate within safe ecological and regional nitrogen and phosphorus boundaries	IA	9,0	27,0	3	8		
	HORIZON-CL6-2024-ZEROPOLLUTION-01-2: Best available techniques to recovering or recycling fertilising products from secondary raw materials	CSA	2,0	4,0	2		LS	
			31,0		5,0		1	
Protecting drinking water and managing urban water pollution	HORIZON-CL6-2024-ZEROPOLLUTION-02-1-two-stage: Holistic approaches for effective monitoring of water quality in urban areas	IA	5,0	15,0	3			Blind evaluation pilot
			15,0		3		0	
Increasing environmental performances and sustainability of	HORIZON-CL6-2024-ZEROPOLLUTION-02-2-two-stage: Innovative technologies for zero pollution, zero-waste biorefineries	RIA	4,0	8,0	2	4 - 5		Blind evaluation pilot
			8,0		2		0	
Reducing the environmental impact	HORIZON-CL6-2024-ZEROPOLLUTION-01-3: Environmental impacts of food systems	RIA	7,0	7,0	1			MAA
			7,0		1		0	
			61,0		11		1	

MAA: Multiactor approach, SSH – Social Sciences & Humanities,

LS: Lump sum, JRC Joint Research Centre

DESTINATION 5



Land, oceans and water for climate action



HORIZON-CL6-2024-CLIMATE-01

Budget: 75mio€

17/10/2023 – 22/02/2024 (single stage)

2 IAs / 5 RIAs





CALL 2024 – LAND, OCEAN AND WATER FOR CLIMATE ACTION

Type action/ EU contrib / Budget / nºpj/ TRL /

HORIZON-CL6-2024-CLIMATE-01-1: Improving irrigation practices and technologies in agriculture	IA	5,0	10,0	2	6 - 7	LS	MAA;JRC
HORIZON-CL6-2024-CLIMATE-01-2: Socio-economic, climate and environmental aspects of paludiculture	RIA	5,0	5,0	1		LS	SSH
HORIZON-CL6-2024-CLIMATE-01-3: Paludiculture: large-scale demonstrations	IA	10,0	20,0	2			MAA
HORIZON-CL6-2024-CLIMATE-01-4: Land use change and local / regional climate	RIA	6,0	12,0	2			MAA; Copernicus and/or Galileo/EGNOS
HORIZON-CL6-2024-CLIMATE-01-5: Climate-smart use of wood in the construction sector to support the New European Bauhaus	RIA - Cascading fund	7,0	14,0	2		LS	MAA; Third parties (60.000)
HORIZON-CL6-2024-CLIMATE-01-6: Ocean models for seasonal to decadal regional climate impacts and feedbacks	RIA	4,5	9,0	2	3 - 5		Copernicus and/or Galileo/EGNOS
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	5,0	5,0	1			Copernicus and/or Galileo/EGNOS
			75,0	12		3	

DESTINATION 6



Resilient, inclusive, healthy and green rural, coastal and urban communities



HORIZON-CL6-2024-COMMUNITIES-01

Budget: 15mio€

17/10/2023 – 22/02/2024 (single stage)

1 IAs / 2RIAs



HORIZON-CL6-2024-COMMUNITIES-02-two stages

Budget: 22mio€

17/10/2023 - 22/02/2024 (1st stage)-17/09/2024 (2nd stage)

2 IAs

CALL 2024 - RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES



Type action/EU contrib / Budget/ nºpj/ TRL /

HORIZON-CL6-2024-COMMUNITIES-01-1: Unlock potential of the New European Bauhaus in urban food system transformation	IA	3,0	6,0	1			MAA; geographical coverage as selection criteria
HORIZON-CL6-2024-COMMUNITIES-01-2: Societal perceptions and benefits of rural life and jobs: will COVID generate a long-lasting shift?	RIA	6,0	6,0	1			
HORIZON-CL6-2024-COMMUNITIES-01-3: Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making	RIA	3,0	3,0	1		LS	MAA
HORIZON-CL6-2024-COMMUNITIES-02-1-two-stage: Innovating for climate-neutral rural communities by 2050	IA	5,0	10,0	2		LS	MAA; Blind evaluation pilot
HORIZON-CL6-2024-COMMUNITIES-02-2-two-stage: New sustainable business and production models for farmers and rural communities	IA	6,0	12,0	2			MAA; 1 project per Area (A and B); Blind evaluation pilot;

DESTINATION 7



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



- HORIZON-CL6-2024-GOVERNANCE-01
- Budget: 133,5mio€
- 17/10/2023 – 22/02/2024 (single stage)
- 2 RIAs / 8 CSAs / 1 PCP / 1 Co-fund

D7. INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL



Transformative changes within the EU **Green Deal** require **appropriate governance**, and multiple channels and networks that provide robust data and information from different sources.



- Appropriate and inclusive **engagement with stakeholders**
- Environmental **observations coverage**
- **Information and knowledge** is made available and accesible.
- Creation of **networks with the public** (citizen engagement) and researchers, including digital technologies.

D7. INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL – CALL 2024



**Innovating with
governance models and
supporting policies**



3 topics

**HORIZONTE
EUROPA**
@HorizonteEuropa



**Deploying and
adding value to
Environmental
Observations**



2 topic



**Digital and data
technologies as key
enablers**



1 topic



**Strengthening agricultural
knowledge and innovation
systems**



6 topics



MINISTERIO
DE CIENCIA
E INNOVACIÓN



CALL 2024 - INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL



Innovating with governance models and supporting policies

Type action/ EU contrib / Budget / nºpj/ TRL /

HORIZON-CL6-2024-GOVERNANCE-01-1: European Partnership for a climate-neutral, sustainable and productive Blue Economy	CO-FUND	60,0	60,0	1			MAA
HORIZON-CL6-2024-GOVERNANCE-01-2: Regional ecosystems of innovation to foster food systems transformation	CSA	3,5	3,5	1		LS	MAA
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 practice	CSA	3,0	3,0	1		LS	MAA
		66,5		3		2	

MAA: Multiactor approach, SSH – Social Sciences & Humanities,
LS: Lump sum, JRC Joint Research Centre

CALL 2024 - INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL



Deploying and adding value to Environmental Observations



Digital and data technologies as key enablers

Type action/ EU contrib / Budget / nºpj/ TRL/

Deploying and adding value to Environmental Observations	HORIZON-CL6-2024-GOVERNANCE-01-5: Customisation/pre-operationalisation of prototypes end-user services in the area of Climate Change Adaptation and Mitigation	PCP	19,0	19,0	1			Copernicus and/or Galileo/EGNOS
	HORIZON-CL6-2024-GOVERNANCE-01-6: Develop innovative applications to support the European Green Deal, building on meteorological satellite data	RIA	4,0	8,0	2			
			27,0	3		0		
Digital and data technologies as key enablers	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 in agriculture	RIA - Cascading fund	5,0	15,0	3	7 - 8		MAA; Third parties (60.000)
			15,0	3		0		

MAA: Multiactor approach, SSH – Social Sciences & Humanities,
LS: Lump sum, JRC Joint Research Centre

CALL 2024 - INNOVATIVE GOVERNANCE, ENVIRONMENTAL OBSERVATIONS AND DIGITAL SOLUTIONS IN SUPPORT OF THE GREEN DEAL



Strengthening agricultural knowledge and innovation systems

Type action/EU contrib / Budget / nºpj / TRL /

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	2,0	4,0	2		LS	MAA
HORIZON-CL6-2024-GOVERNANCE-01-9: Thematic networks to compile and share knowledge ready for practice	CSA	3,0	6,0	2		LS	MAA
HORIZON-CL6-2024-GOVERNANCE-01-10: Organic farming thematic networks to compile and share knowledge ready for practice	CSA	4,0	4,0	1		LS	MAA
HORIZON-CL6-2024-GOVERNANCE-01-11: Biodiversity thematic networks to compile and share knowledge ready for practice	CSA	3,0	3,0	1		LS	MAA
HORIZON-CL6-2024-GOVERNANCE-01-12: Developing EU advisory networks on forestry	CSA	4,0	4,0	1		LS	MAA
HORIZON-CL6-2024-GOVERNANCE-01-13: Developing EU advisory networks on sustainable livestock systems	CSA	4,0	4,0	1		LS	MAA
		25,0	8			6	

Las novedades de HE, visibles en Clúster 6



Principales Novedades:

Consejo Europeo de Innovación

Misiones de I+D

Nuevo enfoque sobre Partenariados

Clúster 6

Misiones Europeas

Adaptation to
Climate Change



Climate-
neutral and
Smart Cities



Five EU
Missions



Cancer

Soil Deal for
Europe



Restore our
Ocean and
Waters



Misión “A Soil Deal for Europe”

We need to act now

Our soils are threatened due to current management practices, pollution, urbanization, effects of climate change, etc.



At the EU level, the Mission supports a number of **Green Deal** strategies as well as the **SDGs**

- Farm to Fork strategy
- EU Biodiversity Strategy for 2030
- Climate Adaptation Strategy
- Zero Pollution Action Plan
- Sustainable Carbon Cycles
- Forest Strategy
- Long-term Vision for Rural Areas
- Organic Action Plan
- Soil strategy



Misión “A Soil Deal for Europe”

Goal of the Mission:

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

Specific objectives:

1. Reduce **desertification**

2. Conserve **soil organic carbon stocks**

3. Stop **soil sealing** and increase re-use of **urban soils**

4. Reduce **soil pollution** and enhance **restoration**

5. Prevent **erosion**

6. Improve soil structure to enhance **soil biodiversity**

7. Reduce the **EU global footprint on soils**

8. Improve **soil literacy** in society



Each specific objective is backed by **one or more quantified targets** and **measurable indicators**.
Objectives apply to **all types of land use**.

NCPs de Misiones

Misiones



Lydia González

Misión de Clima

CDTI

lydia.gonzalez@cdti.es

+34 91 581 55 62



Carolina Carrasco

Misión de Cáncer

CDTI

carolina.carrasco@cdti.es

+34 91 581 55 62



Marta Conde

Misión de Suelos y Alimentación

CDTI

marta.conde@cdti.es

+34 91 581 55 62



Juan Carlos García

Misión de Océanos y Agua

CDTI

juancarlos.garcia@cdti.es

+34 91 581 55 62



María Luisa Revilla

Misión de Ciudades Inteligentes

CDTI

luisa.revilla@cdti.es

+34 91 581 55 62

www.HorizonteEuropa.es

@HorizonteEuropa

Las novedades de HE, visibles en Clúster 6



Principales Novedades:

Consejo Europeo de Innovación

Misiones de I+D

Nuevo enfoque sobre Partenariados

Clúster 6

Clúster 6 - “Partnerships” (2021-2024)

	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	165	} Launching Calls
	A climate neutral, sustainable and productive Blue Economy	2022	150	
	European Partnership Water Security for the Planet (Water4All)	2021	126	
	Accelerating farming systems transition: agroecology living labs and research infrastructures	2023	150	
	Animal health: fighting infectious diseases	2023	180	
	Environmental observations for a sustainable EU agriculture	2023	100	
	Safe and sustainable food systems for people, planet and climate	2023	175	



Circular Bio-based Europe sucesor de BBI en HE

- Socios: EC & BIC



- Presupuesto: 2.000 M€

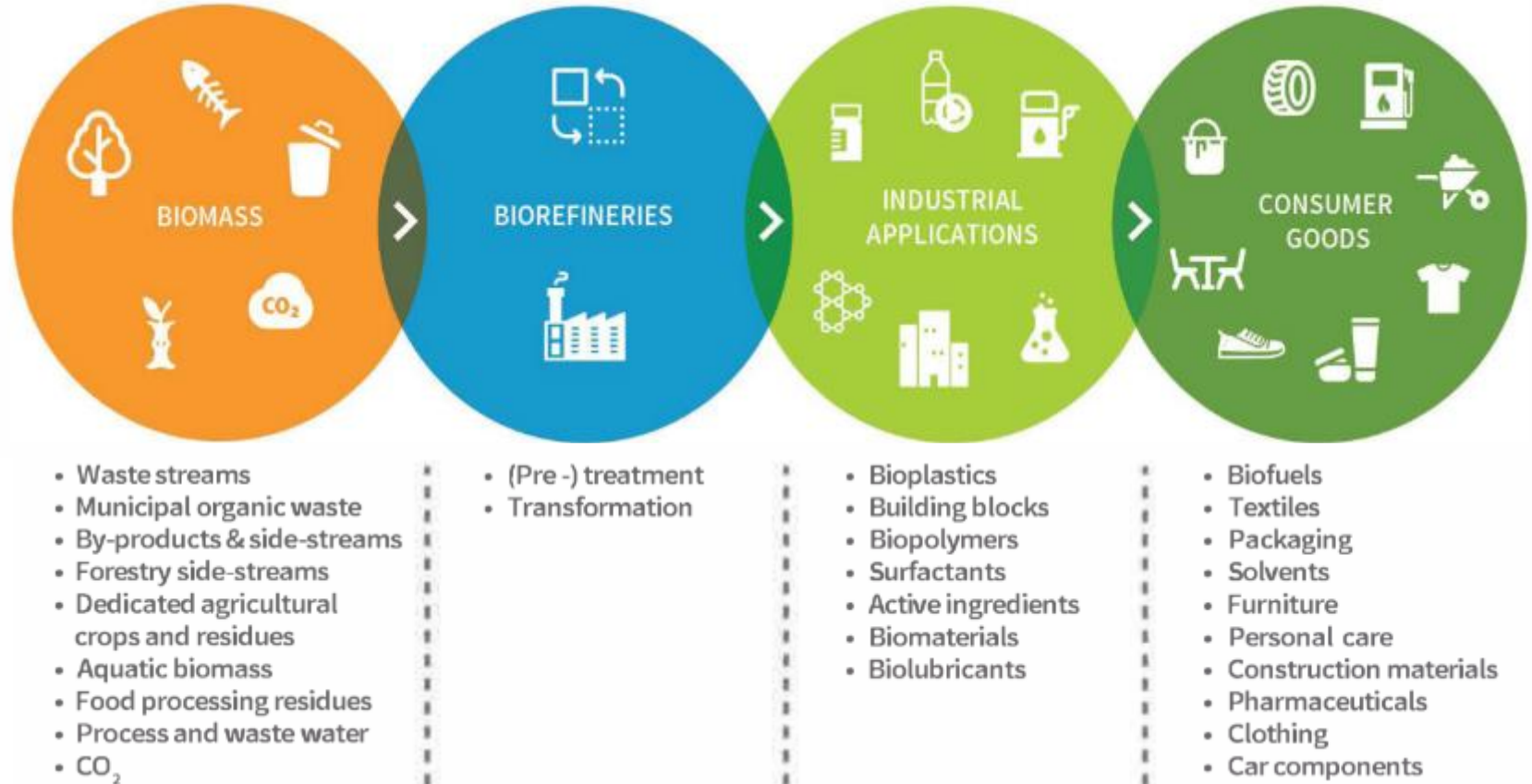
1.000 M€



1.000 M€



Creando cadenas de valor de base biológica



CALENDARIO ESTIMADO

➤ **Publicación AWP 2024 (Incluye los topics de las Call 2024): final de diciembre 2023**

➤ **Call 2024**

- Apertura: abril 2024
- Cierre: septiembre 2024



marta.dediego@cdti.es



Partnership for Research and Innovation in the Mediterranean Area



PRIMA: Partnership for **R**esearch and **I**nnovation in the **M**editerranean **A**rea, a program under Article 185 - (2018-2027)

Research and Innovation initiative to develop and implement innovative solutions for the **sustainable food production and the efficient management of hydric resources (availability and water demand)** in the Mediterranean area.



Current Budget: **€494 million** (in **10 years**)

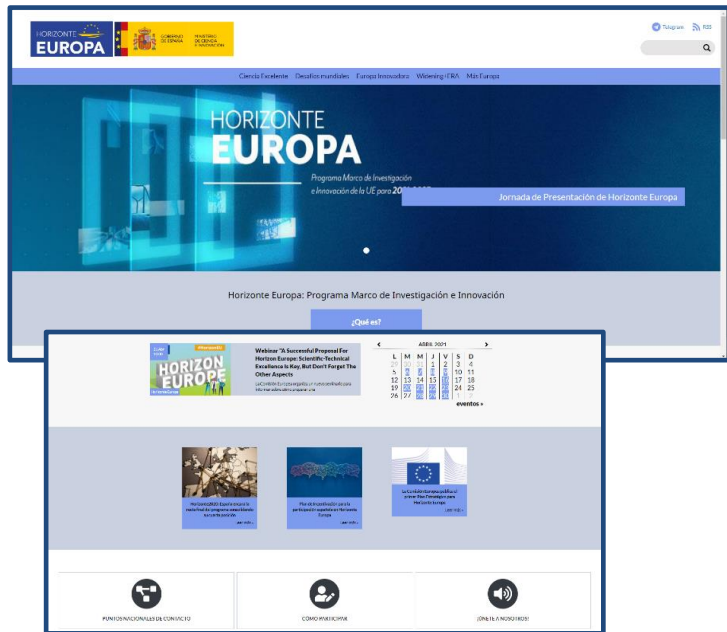
€220 million EU contribution (H2020)

€274 million PS contributions

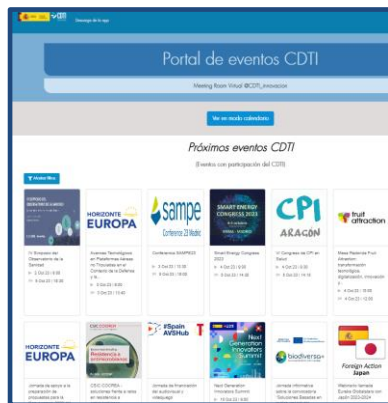
(+ PS in-kind contributions: €121,5 million)

Portal español de Horizonte Europa y nueva web CDTI

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



Nueva web cdti: www.cdti.es, con acceso al portal de eventos CDTI y las nuevas listas de distribución



<https://eventos.cdti.es/>



PROGRAMA MARCO - HORIZONTE EUROPA

Listas relacionadas con el Programa Marco de I+D de la UE, Horizonte Europa, y las temáticas gestionadas por CDTI

Clúster 6 - Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medioambiente

☐ Programa Marco: Bioeconomía y Medioambiente

Información sobre el Clúster 6 de HE, CBE y otras iniciativas UE relacionadas

NCPs del Clúster 6

Puntos nacionales de contacto

Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medioambiente



Marta Conde

**Alimentación, Bioeconomía y
Agricultura**

CDTI
marta.conde@cdti.es
+34 91 581 55 62



Jesús Escudero

**Alimentación, Bioeconomía y
Agricultura**

Instituto Nacional de Investigación y
Tecnología Agraria y Alimentaria (INIA)
jesus.escudero@inia.es
+34 91 347 39 79



Marta de Diego

**Alimentación, Bioeconomía y
Agricultura**

CDTI
marta.dediego@cdti.es
+34 91 581 55 62



Lydia González

Recursos naturales y Medio Ambiente

CDTI
lydia.gonzalez@cdti.es
+34 91 581 55 62



Ana Tardón

Recursos naturales y Medio Ambiente

CIEMAT
anamaria.tardon@ciemat.es
+34 91 346 08 20

www.HorizonteEuropa.es

@HorizonteEuropa

El equipo CDTI de Clúster 6 y Clúster 5 Clima



josemanuel.gonzalez@cdti.es



juancarlos.garcia@cdti.es



marta.dediego@cdti.es



lydia.gonzalez@cdti.es

HORIZONTE
EUROPA
@HorizonteEuropa



marta.conde@cdti.es

@HE_Cluster6CDTI
[https://www.linkedin.com/g
roups/9151684/](https://www.linkedin.com/groups/9151684/)

@HorizonteEuropa
@CDTI_innovacion

A modo de conclusión.....



Oportunidades en Clúster 6 – todos los Destinations (7)



Calls 2024 - Apertura 17/10/2023, cierre 22/02 y 17/09 (2stages)



Oportunidades en convocatorias de misiones, CBE, PRIMA y partenariados en 2024



¡En caso de duda contacta con tu NCP!



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



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