



UNIUNEA EUROPEANĂ



Instrumente Structurale  
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**CeS-UTCN - Excelența Științifică și Specializare Inteligentă prin crearea unui Centru Suport dedicat facilitării accesului entităților publice și private la proiecte/competiții CD**

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**UNIVERSITATEA  
TEHNICĂ**  
DIN CLUJ-NAPOCA



**Avizat,**

**Manager de proiect,**

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## **BULETIN INFORMATIV NR. 22**

### **Programul Orizont Europa**

**Apeluri deschise în anul 2022 pentru Clusterul 6 – Food, Bioeconomy,  
Natural Resources, Agriculture and Environment**

## CLUSTERUL 6 – FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

### Destination – Biodiversity and ecosystem services

- *Call - Biodiversity and ecosystem services - HORIZON-CL6-2022-BIODIV-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022</b>				
<b>Observing and mapping biodiversity and ecosystems, with particular focus on coastal and marine ecosystems: HORIZON-CL6-2022-BIODIV-01-01</b>	RIA	14.00	4.00 to 14.00	2
<b>Building taxonomic research capacity near biodiversity hotspots and for protected areas by networking natural history museums and other taxonomic facilities: HORIZON-CL6-2022-BIODIV-01-02</b>	IA	6.00	Around 6.00	1
<b>Network for nature: multi-stakeholder dialogue platform to promote nature-based solutions: HORIZON-CL6-2022-BIODIV-01-03</b>	CSA	6.00	Around 6.00	1
<b>Natural capital accounting: Measuring the biodiversity footprint of products and organizations: HORIZON-CL6-2022-BIODIV-01-04</b>	IA	10.00	Around 10.00	1
<b>Intercropping – understanding and using the benefits of complexity in farming and value chains: HORIZON-CL6-2022-BIODIV-01-05</b>	RIA	16.00	Around 8.00	2
<b>Monitoring and effective measures for agrobiodiversity: HORIZON-CL6-2022-BIODIV-01-06</b>	RIA	8.00	Around 8.00	1
<b>Protection and sustainable management of forest genetic resources of high interest for biodiversity, climate change adaptation, and forest reproductive materials: HORIZON-CL6-2022-BIODIV-01-07</b>	RIA	8.00	Around 8.00	1
<b>Assessing the nexus of extraction, production, consumption, trade and behavior patterns and of climate change action on biodiversity in the</b>	RIA	12.00	Around 3.00	4

<b>context of transformative change: HORIZON-CL6-2022-BIODIV-01-08</b>				
<b>Understanding the role of behavior, 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: HORIZON-CL6-2022-BIODIV-01-09</b>	RIA	10.00	3.00 to 4.00	3
<b>Cooperation with the Convention on Biological Diversity: HORIZON-CL6-2022-BIODIV-01-10</b>	CSA	5.00	Around 5.00	1
Overall indicative budget		95.00		

- *Call - Biodiversity and ecosystem services - HORIZON-CL6-2022-BIODIV-02-two-stage*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022 (First Stage), 01 Sep 2022 (Second Stage)</b>				
<b>Maintaining and restoring pollinators and pollination services in European agricultural landscapes: HORIZON-CL6-2022-BIODIV-02-01-twostage</b>	IA	20.00	6.00 to 10.00	3
<b>Boosting breeding for a sustainable, resilient and competitive European legume sector: HORIZON-CL6-2022-BIODIV-02-02-twostage</b>	IA	14.00	Around 7.00	2
<b>Resilient beekeeping: HORIZON-CL6-2022-BIODIV-02-03-twostage</b>	RIA	12.00	Around 6.00	2
Overall indicative budget		46.00		

## Destination – Fair, healthy and environment-friendly food systems from primary production to consumption

- *Call - Fair, healthy and environmentally-friendly food systems from primary production to consumption - HORIZON-CL6-2022-FARM2FORK-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022</b>				
<b>Risk assessment of new low risk pesticides:</b> HORIZON-CL6-2022-FARM2FORK-01-01	RIA	7.00	Around 7.00	1
<b>Socio-economics of pesticide use in agriculture:</b> HORIZON-CL6-2022-FARM2FORK-01-02	RIA	6.00	Around 6.00	1
<b>Enhancing biosecurity in terrestrial livestock production:</b> HORIZON-CL6-2022-FARM2FORK-01-03	RIA	10.00	Around 5.00	2
<b>Innovative solutions to prevent adulteration of food bearing quality labels: focus on organic food and geographical indications:</b> HORIZON-CL6-2022-FARM2FORK-01-04	IA	8.00	Around 4.00	2
<b>Integrated and sustainable freshwater bioeconomy: Combining aquaculture, biodiversity preservation, biotechnology and other uses:</b> HORIZON-CL6-2022-FARM2FORK-01-05	RIA	10.00	Around 5.00	2
<b>Biosecurity, hygiene, disease prevention and animal welfare in aquaculture:</b> HORIZON-CL6-2022-FARM2FORK-01-06	RIA	12.00	Around 6.00	2
<b>Building alternative protein-friendly sustainable and healthy food environments:</b> HORIZON-CL6-2022-FARM2FORK-01-07	IA	12.00	Around 12.00	1
<b>Research and innovation for food losses and waste prevention and reduction through harmonized measurement and monitoring:</b> HORIZON-CL6-2022-FARM2FORK-01-08	RIA	14.00	Around 7.00	2
<b>Microbiomes in food production systems:</b> HORIZON-CL6-2022-FARM2FORK-01-09	RIA	10.00	Around 5.00	2
<b>Integrated surveillance system to prevent and reduce diet-related non communicable diseases (NCDs):</b> HORIZON-CL6-2022-FARM2FORK-01-10	RIA	11.00	Around 11.00	1

<b>Effective systems for authenticity and traceability in the food system:</b> HORIZON-CL6-2022-FARM2FORK-01-11	RIA	10.00	Around 10.00	1
<b>Agro-ecological approaches in African agriculture systems:</b> HORIZON-CL6-2022-FARM2FORK-01-12	RIA	28.00	Around 7.00	4
<b>AU-EU Combatting all forms of malnutrition:</b> HORIZON-CL6-2022-FARM2FORK-01-13	RIA	11.00	Around 11.00	1
<b>African food cities:</b> HORIZON-CL6-2022-FARM2FORK-01-14	RIA	12.00	Around 6.00	2
<b>Support for international research on infectious animal diseases:</b> HORIZON-CL6-2022-FARM2FORK-01-15	CSA	3.00	Around 3.00	1
Overall indicative budget		164.00		

- *Call - Fair, healthy and environmentally-friendly food systems from primary production - to consumption - HORIZON-CL6-2022-FARM2FORK-02-two-stage*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021</b>				
<b>Deadline(s): 15 Feb 2022 (First Stage), 06 Sep 2022 (Second Stage)</b>				
<b>Agroecological approaches for sustainable weed management:</b> HORIZON-CL6-2022-FARM2FORK-02-01- two-stage	RIA	14.50	Around 5.00	3
<b>Emerging and future risks to plant health:</b> HORIZON-CL6-2022-FARM2FORK-02-02-two-stage	RIA	7.00	Around 7.00	1
<b>Ecology of infectious animal diseases:</b> HORIZON-CL6-2022-FARM2FORK-02-03-two-stage	RIA	12.00	Around 6.00	2
<b>Smart solutions for the use of digital technologies for small- and medium-sized, farms and farm structures:</b> HORIZON-CL6-2022-FARM2FORK-02-04- two-stage	IA	15.00	Around 5.00	3
<b>Innovative food from marine and freshwater ecosystems:</b> HORIZON-CL6-2022-FARM2FORK-02-05-two-stage	IA	18.00	Around 6.00	3
Overall indicative budget		66.50		

## Destination – Circular economy and bioeconomy sectors

- *Call - Circular economy and bioeconomy sectors - HORIZON-CL6-2022-CIRCBIO-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022</b>				
<b>Circular Cities and Regions Initiative’s project development assistance (CCRI-PDA): HORIZON-CL6-2022-CIRCBIO-01-01</b>	CSA	10.00	0.40 to 2.00	6
<b>Marginal lands and climate-resilient and biodiversity-friendly crops for sustainable industrial feedstocks and related value chains: HORIZON-CL6-2022-CIRCBIO-01-02</b>	IA	14.00	Around 7.00	2
<b>Benefits of the transition towards sustainable circular bio-based systems from linear fossil-based: HORIZON-CL6-2022-CIRCBIO-01-03</b>	CSA	4.00	Around 2.00	2
<b>Maximizing economic, environmental and social synergies in the provision of feedstock for bio-based sectors through diversification and increased sustainability of agricultural production systems: HORIZON-CL6-2022-CIRCBIO-01-04</b>	IA	8.00	Around 8.00	1
<b>EU-China international cooperation on unlocking the potential of agricultural residues and wastes for circular and sustainable bio-based solutions: HORIZON-CL6-2022-CIRCBIO-01-05</b>	RIA	8.00	Around 8.00	1
<b>Strengthening the European forest-based research and innovation ecosystem: HORIZON-CL6-2022-CIRCBIO-01-06</b>	RIA	4.00	Around 4.00	1
<b>Marine microbiome for a healthy ocean and a sustainable blue bioeconomy: HORIZON-CL6-2022-CIRCBIO-01-07</b>	RIA	18.00	Around 9.00	2
Overall indicative budget		66.00		

- *Call - Circular economy and bioeconomy sectors - HORIZON-CL6-2022-CIRCBIO-02-two-stage*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021</b>				
<b>Deadline(s): 15 Feb 2022 (First Stage), 01 Sep 2022 (Second Stage)</b>				
<b>Integrated solutions for circularity in buildings and the construction sector: HORIZON-CL6-2022-CIRCBIO-02-01-twostage</b>	IA	21.00	6.00 to 8.00	3
<b>Exploring extreme environments: novel adaptation strategies at molecular level for bio-based innovation: HORIZON-CL6-2022-CIRCBIO-02-02-twostage</b>	RIA	10.00	Around 5.00	2
<b>Sustainable biodegradable novel biobased plastics: innovation for sustainability and end-of-life options of plastics: HORIZON-CL6-2022-CIRCBIO-02-03-twostage</b>	IA	12.00	Around 6.00	2
<b>Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application: HORIZON-CL6-2022-CIRCBIO-02-04-twostage</b>	RIA	6.00	Around 6.00	1
<b>Life sciences and their convergence with digital technologies for prospecting, understanding and sustainably using biological resources: HORIZON-CL6-2022-CIRCBIO-02-05-twostage</b>	RIA	12.00	Around 6.00	2
<b>Harnessing the digital revolution in the forest-based sector: HORIZON-CL6-2022-CIRCBIO-02-06-twostage</b>	IA	15.00	6.00 to 8.00	2
Overall indicative budget		76.00		

## Destination – Clean environment and zero pollution

- *Call - Clean environment and zero pollution - HORIZON-CL6-2022-ZEROPOLLUTION-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022</b>				
<b>Preventing groundwater contamination and protecting its quality against harmful impacts of global and climate change: HORIZON-CL6-2022-ZEROPOLLUTION-01-01</b>	RIA	12.00	2.00 to 4.00	3
<b>Piloting innovative governance solutions to limit nitrogen and phosphorus emissions at the interface of rural/coastal and urban/industrial environments: HORIZON-CL6-2022-ZEROPOLLUTION-01-02</b>	IA	12.00	Around 6.00	2
<b>EU-China international cooperation on nature-based solutions for nutrient management in agriculture: HORIZON-CL6-2022-ZEROPOLLUTION-01-03</b>	IA	12.00	Around 6.00	2
<b>Securing drinking water quality by protecting water sources against pollution, providing innovative monitoring and treatment solutions and ensuring safe distribution: HORIZON-CL6-2022-ZEROPOLLUTION-01-04</b>	RIA	15.00	2.00 to 4.00	4
Overall indicative budget		51.00		



## Destination – Land, ocean and water for climate action

- *Call - Land, ocean and water for climate action - HORIZON-CL6-2022-CLIMATE-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022</b>				
<b>Climate sensitive water allocation systems and economic instruments: HORIZON-CL6-2022-CLIMATE-01-01</b>	IA	10.00	4.00 to 5.00	2
<b>Understanding the oceanic carbon cycle: HORIZON-CL6-2022-CLIMATE-01-02</b>	RIA	15.00	Around 15.00	1
<b>Demonstration network on climate-smart farming – boosting the role of advisory services: HORIZON-CL6-2022-CLIMATE-01-03</b>	CSA	20.00	Around 20.00	1
<b>Fostering the resilience of agricultural production: from observation of changes to the development of resilience strategies: HORIZON-CL6-2022-CLIMATE-01-04</b>	RIA	15.00	Around 15.00	1
<b>Forestry - European observatory of climate change impacts and demonstration network of climate smart restoration pilots: HORIZON-CL6-2022-CLIMATE-01-05</b>	RIA	15.00	Around 15.00	1
Overall indicative budget		75.00		

## Destination – Resilient, inclusive, healthy and green rural, coastal and urban communities

- *Call - Resilient, inclusive, healthy and green rural, coastal and urban communities - HORIZON-CL6-2022-COMMUNITIES-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021 Deadline(s): 15 Feb 2022</b>				
<b>Boosting women-led innovation in farming and rural areas:</b> HORIZON-CL6-2022-COMMUNITIES-01-01	RIA	6.00	Around 3.00	2
<b>Assessing and improving labor conditions and health and safety at work in farming:</b> HORIZON-CL6-2022-COMMUNITIES-01-02	RIA	5.00	Around 5.00	1
<b>Integration of marine ecosystem service valuation, conservation and restoration in socio-economic models:</b> HORIZON-CL6-2022-COMMUNITIES-01-03	IA	9.00	Around 9.00	1
<b>Social innovation in food sharing to strengthen urban communities' food resilience:</b> HORIZON-CL6-2022-COMMUNITIES-01-04	IA	10.00	Around 10.00	1
<b>Assessing the socio-politics of nature-based solutions for more inclusive and resilient communities:</b> HORIZON-CL6-2022-COMMUNITIES-01-05	RIA	12.00	Around 6.00	2
Overall indicative budget		42.00		

- *Call - Resilient, inclusive, healthy and green rural, coastal and urban communities - HORIZON-CL6-2022-COMMUNITIES-02-two-stage*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021</b>				
<b>Deadline(s): 15 Feb 2022 (First Stage), 06 Sep 2022 (Second Stage)</b>				
<b>Smart solutions for smart rural communities: empowering rural communities and smart villages to innovate for societal change:</b> HORIZON-CL6-2022-COMMUNITIES-02-01-two-stage	IA	14.00	Around 7.00	2
<b>Developing nature-based therapy for health and well-being:</b> HORIZON-CL6-2022-COMMUNITIES-02-02-two-stage	RIA	19.00	Around 6.00	3
Overall indicative budget		33.00		

### **Destination – Innovative governance, environmental observations and digital solutions in support of the Green Deal**

- *Call - Innovative governance, environmental observations and digital solutions in support of the Green Deal - HORIZON-CL6-2022-GOVERNANCE-01*

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million)	Number of projects expected to be funded
		2022		
<b>Opening: 28 Oct 2021</b>				
<b>Deadline(s): 10 Mar 2022</b>				
<b>Mobilization of society to transform food systems for co-benefits:</b> HORIZON-CL6-2022-GOVERNANCE-01-01	CSA	8.00	Around 8.00	1
<b>European Partnership for a climate neutral, sustainable and productive Blue Economy:</b> HORIZON-CL6-2022-GOVERNANCE-01-02	COFUND	23.00	23.00 to 150.00	1
<b>Multi-layer governance performance of marine policies:</b> HORIZON-CL6-2022-GOVERNANCE-01-03	RIA	6.00	Around 6.00	1
<b>Consumer-focused labelling options for bio-based products:</b> HORIZON-CL6-2022-GOVERNANCE-01-04	CSA	3.00	Around 3.00	1

<b>Innovative tools and methods to evaluate the design and support, monitoring and implementation of effective CAP strategic plans:</b> HORIZON-CL6-2022-GOVERNANCE-01-05	CSA	4.00	Around 4.00	1
<b>Water governance, economic and financial sustainability of water systems:</b> HORIZON-CL6-2022-GOVERNANCE-01-06	RIA	10.00	Around 3.00	3
<b>New technologies for acquiring in-situ observation datasets to address climate change effects:</b> HORIZON-CL6-2022-GOVERNANCE-01-07	IA	20.00	Around 3.00	6
<b>Uptake and validation of citizen observations to complement authoritative measurement within the urban environment and boost related citizen engagement:</b> HORIZON-CL6-2022-GOVERNANCE-01-08	IA	14.00	3.00 to 5.00	3
<b>Environmental observations solutions contributing to meeting “One Health” challenges:</b> HORIZON-CL6-2022-GOVERNANCE-01-09	RIA	10.00	Around 5.00	2
<b>Piloting approaches and tools to empower citizens to exercise their “data rights” in the area of food and nutrition:</b> HORIZON-CL6-2022-GOVERNANCE-01-10	RIA	8.00	Around 4.00	2
<b>Upscaling (real-time) sensor data for EU-wide monitoring of production and agri-environmental conditions:</b> HORIZON-CL6-2022-GOVERNANCE-01-11	RIA	15.00	5.00 to 7.50	3
<b>Thematic networks to compile and share knowledge ready for practice:</b> HORIZON-CL6-2022-GOVERNANCE-01-12	CSA	9.00	Around 3.00	3
<b>Broaden EIP Operational Group outcomes across borders by means of thematic networks, compiling and sharing knowledge ready for practice:</b> HORIZON-CL6-2022-GOVERNANCE-01-13	CSA	4.00	Around 2.00	2
<b>Improving preparation of multi-actor projects to enable the relevant actors to work in a co-creative way:</b> HORIZON-CL6-2022-GOVERNANCE-01-14	CSA	5.00	Around 5.00	1
<b>Developing EU advisory networks on water use:</b> HORIZON-CL6-2022-GOVERNANCE-01-15	CSA	8.00	Around 4.00	2
Overall indicative budget		147.00		

Link pentru Programul de Lucru 2021-2022 al Clusterului 6:

[https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-9-food-bioeconomy-natural-resources-agriculture-and-environment\\_horizon-2021-2022\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-9-food-bioeconomy-natural-resources-agriculture-and-environment_horizon-2021-2022_en.pdf)

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