



Horizon Europe: Cluster 6 'Food and natural resources' Calls 2021 & 2022

Information in this document is based on a draft that has not been adopted or endorsed by the European Commission. The work program will be accepted in June, after which the calls will be open. Tentative timetables for the calls can be found from the draft.

After opening the calls, you should explore the official Work Programme and call topics in F&P portal (<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>). If you have any questions about the calls, you can contact your National Contact Point, NCP (they will be named soon, and more information will be available in our national website www.horisonttieurooppa.fi).

You can find more details about call topics per destinations from the following lists. These table lists are based on a draft of the Horizon Europe Work Programme 2021-2022 (June 2021). Changes might occur before the final version. Other actions are not included in this document.

Objectives of this cluster are protecting, restoring, sustainably managing and using natural and biological resources from land and sea to address food and nutrition security and the transition to a low carbon, resource efficient circular economy. The areas of intervention are following: environmental observation; biodiversity and natural capital; agriculture, forestry and rural areas; sea and oceans; food systems; bio based innovation systems; circular systems.

Budget: For the two years the total indicative budget is 1.867,5 M€ (2021: 976 M€ & 2022: 891,5 M€).

Topics: For the two years, the total number of call topics is 181 and the topics are separated under seven destinations. There are 104 calls for the year 2021 and the rest, 77 calls, are for the year 2022.

Destinations: There are seven destinations with varying number of call topics (from 13 to 43 per topic) and budgets (from 116 M€ to 416 M€). Destination 7 'Innovative governance, environmental observations and digital solutions in support of the Green Deal' has the biggest number of calls (43 altogether) and Destination 2 'Fair, healthy and environmentally-friendly food systems from primary production to consumption' follows (39 calls). Destination 2 is likely to have the biggest budget per destination (416 M€), while Destination 1 'Biodiversity and Ecosystem Services' follows (375,5 M€).

Actions: There are four types of action for the first two years. The most common action is Research and Innovation Actions (RIA, 92 calls), followed by Coordination and Support Actions (CSA, 45 calls) and Innovation Actions (IA, 41 calls), while there are three Cofund Actions (European partnerships) for the first two years.



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Indicative timetable: There are different openings for the calls. Check the destination tables for openings and deadlines of the calls. **OBS:** The information might be updated.

Destination 1 – Biodiversity and Ecosystem Services (p. 22)

Total indicative budget per destination: 375,5M EUR

2021: Opening: 22 Jun 2021 — Deadline(s): 06 Oct 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

Two-stage: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022 (First Stage), 01 Sep 2022 (Second Stage)

35 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL (Technology readiness level)
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Understanding biodiversity decline (Total indicative budget per area: 76M EUR)

2021 (p. 29)

HORIZON-CL6-2021-BIODIV-01-01: European participation in global biodiversity genomics endeavours aimed at identifying all biodiversity on Earth	20	10-20	2	RIA	
HORIZON-CL6-2021-BIODIV-01-02: Data and technologies for the inventory, fast identification and monitoring of endangered wildlife and other species groups	10	3-5	2	RIA	
HORIZON-CL6-2021-BIODIV-01-03: Understanding and valuing coastal and marine biodiversity and ecosystems services	16	16	1	RIA	4-5
HORIZON-CL6-2021-BIODIV-01-04: Assess and predict integrated impacts of cumulative direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services	10	10	1	RIA	4-5

2022 (p. 96)

HORIZON-CL6-2022-BIODIV-01-01: Observing and mapping biodiversity and ecosystems, with particular focus on coastal and marine ecosystems	14	4-14	2	RIA	4-5
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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	6	6	1	IA	
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Valuing and restoring biodiversity and ecosystem services (77,5M EUR)

2021 (p. 42)

HORIZON-CL6-2021-BIODIV-01-05: The economics of nature-based solutions: cost-benefit analysis, market development and funding	5	5	1	RIA	
HORIZON-CL6-2021-BIODIV-01-06: Nature-based solutions, prevention and reduction of risks and the insurance sector	4	4	1	CSA	
HORIZON-CL6-2021-BIODIV-01-07: Ecosystems and their services for an evidence-based policy and decision-making	13	13	1	RIA	
HORIZON-CL6-2021-BIODIV-01-08: Supporting the development of a coherent and resilient Trans-European Nature Network	10	10	1	IA	
HORIZON-CL6-2021-BIODIV-01-09: Assessing and consolidating recent scientific advances on freshwater ecosystem restoration.	0,5	0,5	1	CSA	
HORIZON-CL6-2021-BIODIV-01-10: Demonstration of measures and management for coastal and marine ecosystems restoration and resilience in simplified socio-ecological systems.	10	10	1	IA	6-7



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HORIZON-CL6-2021-BIODIV-01-11: What else is out there? Exploring the connection between biodiversity, ecosystems services, pandemics and epidemic risk	12	4-6	2	RIA	3-5
HORIZON-CL6-2021-BIODIV-01-12: Improved science based maritime spatial planning and identification of marine protected areas	7	3-4	2	RIA	4-5

2022 (p. 103)

HORIZON-CL6-2022-BIODIV-01-03: Network for nature: multi-stakeholder dialogue platform to promote nature-based solutions	6	6	1	CSA	
HORIZON-CL6-2022-BIODIV-01-04: Natural capital accounting: Measuring the biodiversity footprint of products and organizations	10	10	1	IA	

Managing biodiversity in primary production (104M EUR)

2021 (p. 62)

HORIZON-CL6-2021-BIODIV-01-13: Breeding for resilience: focus on root-based traits	16	8	2	RIA	
HORIZON-CL6-2021-BIODIV-01-14: Fostering organic crop breeding	10	5	2	IA	6-7

2022 (p. 110)

HORIZON-CL6-2022-BIODIV-01-05: Intercropping – understanding and using the benefits of complexity in farming and value chains	16	8	2	RIA	
HORIZON-CL6-2022-BIODIV-01-06: Monitoring and effective measures for agrobiodiversity	8	8	1	RIA	
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	8	8	1	RIA	



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Two-stage 2022 (p. 126)

HORIZON-CL6-2022-BIODIV-02-01-two-stage: Maintaining and restoring pollinators and pollination services in European agricultural landscapes	20	6-10	3	IA	
HORIZON-CL6-2022-BIODIV-02-02-two-stage: Boosting breeding for a sustainable, resilient and competitive European legume sector	14	7	2	IA	6-7
HORIZON-CL6-2022-BIODIV-02-03-two-stage: Resilient beekeeping	12	6	2	RIA	

Enabling transformative change on biodiversity (50M EUR)

2021 (p. 67)

HORIZON-CL6-2021-BIODIV-01-15: Quantify impacts of the trade in raw and processed biomass on ecosystems, for offering new leverage points for biodiversity conservation, along supply chains, to reduce leakage effects	10	2-3	4	RIA	
HORIZON-CL6-2021-BIODIV-01-16: Biodiversity, water, food, energy, transport, climate and health nexus in the context of transformative change	5	5	1	RIA	
HORIZON-CL6-2021-BIODIV-01-17: Policy mixes, governance (including financing) and decision-making tools for transformative action for biodiversity	8	2-3	3	RIA	
HORIZON-CL6-2021-BIODIV-01-18: Understanding the impacts of and the opportunities offered by digital transformation, new emerging technologies and social innovation on biodiversity	5	2-3	2	RIA	

2022 (p. 117)

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	12	3	4	RIA	
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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	10	3-4	3	RIA	
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Interconnecting biodiversity research and supporting policies (28M EUR)

2021 (p. 78)

HORIZON-CL6-2021-BIODIV-01-19: A mechanism for science to inform implementation, monitoring, review and ratcheting up of the new EU biodiversity strategy for 2030 ('Science Service').	13	11-13	1	CSA	
HORIZON-CL6-2021-BIODIV-01-20: Support to processes triggered by IPBES and IPCC	5	5	1	CSA	
HORIZON-CL6-2021-BIODIV-01-21: Impact and dependence of business on biodiversity	5	2-3	1	RIA	

2022 (p. 123)

HORIZON-CL6-2022-BIODIV-01-10: Cooperation with the Convention on Biological Diversity	5	5	1	CSA	
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Other (40-165 M€)

OBS: Opening: 22 Jun 2021 — Deadline(s): 22 Jul 2021

2021 (p. 89)

HORIZON-CL6-2021-BIODIV-02-01: European partnership rescuing biodiversity to safeguard life on Earth	40 (-165)	40	1	COFUND	
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Destination 2 – Fair, healthy and environmentally-friendly food systems from primary production to consumption (p. 136)

Total indicative budget per destination: 416,5M EUR

2021: Opening: 22 Jun 2021 — Deadline(s): 06 Oct 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

Two stage: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022 (First Stage), 06 Sep 2022 (Second Stage)

39 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL
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Enabling sustainable farming (Total indicative budget per area: 151,5M EUR)

2021 (p. 142)

HORIZON-CL6-2021-FARM2FORK-01-01: Reaching the farm to fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe	4	4	1	RIA	
HORIZON-CL6-2021-FARM2FORK-01-02: Developing sustainable and competitive land-based protein crop systems and value chains	9	9	1	IA	5-8
HORIZON-CL6-2021-FARM2FORK-01-03: Digitalisation as an enabler of agroecological farming systems	2	2	1	CSA	
HORIZON-CL6-2021-FARM2FORK-01-04: Tackling outbreaks of plant pests	14	7	2	RIA	
HORIZON-CL6-2021-FARM2FORK-01-05: Animal welfare 2.0	8	8	1	RIA	
HORIZON-CL6-2021-FARM2FORK-01-06: Vaccines and diagnostics for priority animal diseases	12	6	2	IA	6-7
HORIZON-CL6-2021-FARM2FORK-01-07: Research & innovation roadmap for blockchain technologies in the agri-food sector	3	3	1	CSA	
HORIZON-CL6-2021-FARM2FORK-01-08: Uncovering lock-ins and levers to encourage farmers to move to and stay in sustainable, climate-neutral and biodiversity-friendly farming systems: from experiments to systemic mechanisms	12	4	3	RIA	



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HORIZON-CL6-2021-FARM2FORK-01-09: Towards an EU approach to assess and internalise positive and negative externalities of food for incentivising sustainable choices	8	8	1	RIA	
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2022 (p. 193)

HORIZON-CL6-2022-FARM2FORK-01-01: Risk assessment of new low risk pesticides	7	7	1	RIA	
HORIZON-CL6-2022-FARM2FORK-01-02: Socio-economics of pesticide use in agriculture	6	6	1	RIA	
HORIZON-CL6-2022-FARM2FORK-01-03: Enhancing biosecurity in terrestrial livestock production	10	5	2	RIA	
HORIZON-CL6-2022-FARM2FORK-01-04: Innovative solutions to prevent adulteration of food bearing quality labels: focus on organic food and geographical indications	8	4	2	IA	6-8

Two-stage (p. 231)

HORIZON-CL6-2022-FARM2FORK-02-01-two-stage: Agroecological approaches for sustainable weed management	14,5	5	3	RIA	
HORIZON-CL6-2022-FARM2FORK-02-02-two-stage: Emerging and future risks to plant health	7	7	1	RIA	
HORIZON-CL6-2022-FARM2FORK-02-03-two-stage: Ecology of infectious animal diseases	12	6	2	RIA	
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	15	5	3	IA	6-7

Enabling sustainable fisheries and aquaculture (60M EUR)

2021 (p. 164)

HORIZON-CL6-2021-FARM2FORK-01-10: Sea to Fork transparency and consumer engagement	10	5	2	IA	6-8
HORIZON-CL6-2021-FARM2FORK-01-11: Digital transition supporting inspection and control for sustainable fisheries	10	5	2	IA	6-8



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2022 (p. 201)

HORIZON-CL6-2022-FARM2FORK-01-05: Integrated and sustainable freshwater bioeconomy: Combining aquaculture, biodiversity preservation, biotechnology and other uses	10	5	2	RIA	3-6
HORIZON-CL6-2022-FARM2FORK-01-06: Biosecurity, hygiene, disease prevention and animal welfare in aquaculture	12	6	2	RIA	3-5

Two-stage (p. 240)

HORIZON-CL6-2022-FARM2FORK-02-05-two-stage: Innovative food from marine and freshwater ecosystems	18	6	3	IA	6-7
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Transforming food systems for health, sustainability and inclusion (127M EUR)

2021 (p. 169)

HORIZON-CL6-2021-FARM2FORK-01-12: Filling knowledge gaps on nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift	11	11	1	IA	
HORIZON-CL6-2021-FARM2FORK-01-13: Evidence-based decision-making to change social norms towards zero food waste	12	6-7	2	RIA	4-5
HORIZON-CL6-2021-FARM2FORK-01-14: Microbes for healthy and sustainable food and diets	12	12	1	RIA	
HORIZON-CL6-2021-FARM2FORK-01-15: Transition to healthy and sustainable dietary behaviour	12	12	1	RIA	
HORIZON-CL6-2021-FARM2FORK-01-16: Identification, assessment and management of existing and emerging food safety issues	12	6	2	RIA	
HORIZON-CL6-2021-FARM2FORK-01-17: Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets	11	11	1	IA	6-7



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2022 (p. 205)

HORIZON-CL6-2022-FARM2FORK-01-07: Building alternative protein-friendly sustainable and healthy food environments	12	12	1	IA	6-7
HORIZON-CL6-2022-FARM2FORK-01-08: Research and innovation for food losses and waste prevention and reduction through harmonised measurement and monitoring	14	7	2	RIA	6
HORIZON-CL6-2022-FARM2FORK-01-09: Microbiomes in food production systems	10	5	2	RIA	
HORIZON-CL6-2022-FARM2FORK-01-10: Integrated surveillance system to prevent and reduce diet-related Non Communicable Diseases (NCDs)	11	11	1	RIA	
HORIZON-CL6-2022-FARM2FORK-01-11: Effective systems for authenticity and traceability in the food system	10	10	1	RIA	7

Targeted international cooperation (78M EUR)

2021 (p. 187)

HORIZON-CL6-2021-FARM2FORK-01-18: One Health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)	18	6	3	RIA	5
HORIZON-CL6-2021-FARM2FORK-01-19: EU- China international cooperation on integrated pest management in agriculture	6	6	1	RIA	

2022 (p. 220)

HORIZON-CL6-2022-FARM2FORK-01-12: Agro- ecological approaches in African agriculture systems	28	7	4	RIA	5
HORIZON-CL6-2022-FARM2FORK-01-13: AU-EU Combatting all forms of malnutrition	11	11	1	RIA	
HORIZON-CL6-2022-FARM2FORK-01-14: African food cities	12	6	2	RIA	
HORIZON-CL6-2022-FARM2FORK-01-15: Support for international research on infectious animal diseases	3	3	1	CSA	



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Destination 3 – Circular economy and bioeconomy sectors (p. 242)

Total indicative budget per destination: 268,5M EUR

2021: Opening: 22 Jun 2021 — Deadline(s): 06 Oct 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

Two stage: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022 (First Stage), 01 Sep 2022 (Second Stage)

22 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL
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Enabling a circular economy transition (Total indicative budget per area: 102,5M EUR)

2021 (p. 248)

HORIZON-CL6-2021-CircBio-01-01: Circular Cities and Regions Initiative (CCRI)'s circular systemic solutions	21,5	5-10	3	IA	6-8
HORIZON-CL6-2021-CircBio-01-02: Circular Cities and Regions Initiative's Project Development Assistance (CCRI-PDA)	10	0,4-2	6	CSA	
HORIZON-CL6-2021-CircBio-01-03: Innovative solutions to over-packaging and single-use plastics, and related microplastic pollution	18	5-7	3	IA	6-8
HORIZON-CL6-2021-CIRCBIO-01-04: Increasing the circularity in textiles, plastics and/or electronics value chains	22	6-8	3	IA	6-8

2022 (p. 271)

HORIZON-CL6-2022-CircBio-01-01: Circular Cities and Regions Initiative's Project Development Assistance (CCRI-PDA)	10	0,4-2	6	CSA	
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Two-stage (p. 290)

HORIZON-CL6-2022-CIRCBIO-02-01-two-stage: Integrated solutions for circularity in buildings and the construction sector	21	6-8	3	IA	6-8
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Innovating sustainable bio-based systems and the bioeconomy (111M EUR)

2021 (p. 259)

HORIZON-CL6-2021-CIRCBIO-01-05: Novel, non-plant biomass feedstocks for industrial applications	12	6	2	IA	7
HORIZON-CL6-2021-CIRCBIO-01-06: Contained biomass solutions for sustainable and zero-Indirect Land Use Change (ILUC) production systems for high value applications	10	5	2	IA	7
HORIZON-CL6-2021-CIRCBIO-01-07: Microbiomes for bio-based innovation and environmental applications	6	6	1	IA	6-7
HORIZON-CL6-2021-CIRCBIO-01-08: Mainstreaming inclusive small-scale bio-based solutions in European rural areas	9	3	3	CSA	

2022 (p. 274)

HORIZON-CL6-2022-CircBio-01-02: Marginal lands and climate-resilient and biodiversity-friendly crops for sustainable industrial feedstocks and related value chains	14	7	2	IA	7
HORIZON-CL6-2022-CircBio-01-03: Benefits of the transition towards sustainable circular bio-based systems from linear fossil-based	4	2	2	CSA	
HORIZON-CL6-2022-CircBio-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	8	8	1	IA	6-7
HORIZON-CL6-2022-CircBio-01-05: EU-China international cooperation on unlocking the potential of agricultural residues and wastes for circular and sustainable bio-based solutions	8	8	1	RIA	



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Two-stage (p. 292)

HORIZON-CL6-2022-CIRCBIO-02-02-two-stage: Exploring extreme environments: novel adaptation strategies at molecular level for bio-based innovation	10	5	2	RIA	4-5
HORIZON-CL6-2022-CIRCBIO-02-03-two-stage: Sustainable biodegradable novel bio-based plastics: innovation for sustainability and end-of-life options of plastics	12	6	2	IA	7-8
HORIZON-CL6-2022-CIRCBIO-02-04-two-stage: Photosynthesis revisited: climate emergency, "no pollution and zero-emission" challenge and industrial application	6	6	1	RIA	4-5
HORIZON-CL6-2022-CIRCBIO-02-05-two-stage: Life sciences and their convergence with digital technologies for prospecting, understanding and sustainably using biological resources	12	6	2	RIA	4-5

Safeguarding the multiple functions of EU forests (19M EUR)

2022 (p. 284)

HORIZON-CL6-2022-CircBio-01-06: Strengthening the European forest-based research and innovation ecosystem	4	4	1	RIA	
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Two-stage (p. 301)

HORIZON-CL6-2022-CIRCBIO-02-06-two-stage: Harnessing the digital revolution in the forest-based sector	15	6-8	2	IA	6-7
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Innovating for blue bioeconomy and biotechnology value chains (36M EUR)

2021 (p. 268)

HORIZON-CL6-2021-CIRCBIO-01-09: Unlocking the potential of algae for a thriving European blue bioeconomy	18	9	2	IA	7
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2022 (p. 286)

HORIZON-CL6-2022-CircBio-01-07: Marine microbiome for healthy oceans and a sustainable blue bioeconomy	18	9	2	RIA	3-5
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Destination 4 - Clean environment and zero pollution (p. 307)

Total indicative budget per destination: 116M EUR

2021: Opening: 22 Jun 2021 — Deadline(s): 06 Oct 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

14 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL
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Halting emissions of pollutants to soils and waters (Total indicative budget per area: 49M EUR)

2021 (p. 312)

HORIZON-CL6-2021-ZEROPOLLUTION-01-01: Regional nitrogen and phosphorus load reduction approach within safe ecological boundaries	6	2	3	CSA	
HORIZON-CL6-2021-ZEROPOLLUTION-01-02: Optimisation of nutrient budget in agriculture	7	7	1	RIA	5

2022 (p. 336)

HORIZON-CL6-2022-ZEROPOLLUTION-01-01: Preventing groundwater contamination and protecting its quality against harmful impacts of global and climate change	12	2-4	3	RIA	5
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	12	6	2	IA	7-8
HORIZON-CL6-2022-ZEROPOLLUTION-01-03: EU-China international cooperation on nature-based solutions for nutrient management in agriculture	12	6	2	IA	7



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Protecting drinking water and managing urban water pollution (25M EUR)

2021 (p. 317)

HORIZON-CL6-2021-ZEROPOLLUTION-01-03: Preventing and managing diffuse pollution in urban water runoff	10	2-4	3	RIA	5
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2022 (p. 340)

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	15	2-4	4	RIA	5
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Addressing pollution on seas and oceans (3M EUR)

2021 (p. 320)

HORIZON-CL6-2021-ZEROPOLLUTION-01-04: Achieving zero polluted seas and oceans	3	3	1	CSA	
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Increasing environmental performances and sustainability of processes and products (39M EUR)

2021 (p. 321)

HORIZON-CL6-2021-ZEROPOLLUTION-01-05: Environmental sustainability criteria for biological feedstock production and trade in bio-based systems: impacts and trade-offs	6	6	1	IA	7-8
HORIZON-CL6-2021-ZEROPOLLUTION-01-06: Increasing the environmental performance of industrial processes in bio-based sectors: construction, woodworking, textiles, pulp and paper and bio-chemicals	7	3,5	2	RIA	5
HORIZON-CL6-2021-ZEROPOLLUTION-01-07: International and EU sustainability certification schemes for bio-based systems	6	2	3	CSA	
HORIZON-CL6-2021-ZEROPOLLUTION-01-08: New genomic techniques (NGT): understanding benefits and risks – focus on bio-based innovation	5	5	1	RIA	4-5



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HORIZON-CL6-2021-ZEROPOLLUTION-01-09: Environmental impacts and trade-offs of alternative fertilising products at global/local scale.	4	2	2	CSA	
HORIZON-CL6-2021-ZEROPOLLUTION-01-10: Environmental services: improved bioremediation and revitalization strategies for soil, sediments and water	11	5,5	2	RIA	4-5

Destination 5 – Land, ocean and water for climate action (p. 348)

Total indicative budget per destination: 193M EUR

2021: Opening: 22 Jun 2021 — Deadline(s): 01 Sep 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

15 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL
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2021 (p. 353)

HORIZON-CL6-2021-CLIMATE-01-01: Improved understanding, observation and monitoring of water resources availability.	10	3-5	3	RIA	5
HORIZON-CL6-2021-CLIMATE-01-02: European Partnership Water Security for the Planet (Water4All)	10	20-126	1	COFUND	
HORIZON-CL6-2021-CLIMATE-01-03: Key polar processes driving regional & global climate change	15	7-8	2	RIA	3-5
HORIZON-CL6-2021-CLIMATE-01-04: Demonstration network on climate-smart farming – linking pilot farms	23	23	1	CSA	
HORIZON-CL6-2021-CLIMATE-01-05: Agroecological approaches for climate change mitigation, resilient agricultural production and enhanced biodiversity	7	7	1	RIA	



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HORIZON-CL6-2021-CLIMATE-01-06: Resilient livestock farming systems under climate change	12	12	1	RIA	
HORIZON-CL6-2021-CLIMATE-01-07: International Research Consortium on (agricultural) soil carbon	3	3	1	CSA	
HORIZON-CL6-2021-CLIMATE-01-08: Agroforestry to meet climate, biodiversity and farming sustainability goals	8	4	2	RIA	
HORIZON-CL6-2021-CLIMATE-01-09: Enhancing science-based knowledge on EU forests', including old-growth forests, capacities to mitigate climate change	10	5	2	RIA	
HORIZON-CL6-2021-CLIMATE-01-10: EU-China international cooperation on increasing the resilience of forests	10	10	1	RIA	

2022 (p. 410)

HORIZON-CL6-2022-CLIMATE-01-01: Climate sensitive water allocation systems and economic instruments.	10	4-5	2	IA	6-8
HORIZON-CL6-2022-CLIMATE-01-02: Understanding the oceanic carbon cycle	15	15	1	RIA	3-5
HORIZON-CL6-2022-CLIMATE-01-03: Demonstration network on climate-smart farming – boosting the role of advisory services	20	20	1	CSA	
HORIZON-CL6-2022-CLIMATE-01-04: Fostering the resilience of agricultural production: from observation of changes to the development of resilience strategies	15	15	1	RIA	
HORIZON-CL6-2022-CLIMATE-01-05: Forestry - European observatory of climate change impacts and demonstration network of climate smart restoration pilots	15	15	1	RIA	



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Destination 6 – Resilient, inclusive, healthy and green rural, coastal and urban communities (p. 395)

Total indicative budget per destination: 128M EUR

2021: Opening: 22 Jun 2021 — Deadline(s): 06 Oct 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

Two stage: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022 (First Stage), 06 Sep 2022 (Second Stage)

13 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL
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2021 (p. 399)

HORIZON-CL6-2021-COMMUNITIES-01-01: Grasping rural diversity and strengthening evidence for tailored policies enhancing the contribution of rural communities to ecological, digital and social transitions	15	7-7,5	2	RIA	
HORIZON-CL6-2021-COMMUNITIES-01-02: Expertise and training centre on rural innovation	5	5	1	CSA	
HORIZON-CL6-2021-COMMUNITIES-01-03: Smart XG, last-mile and edge solutions for remote farming, forestry and rural areas	10	5	2	RIA	4-5
HORIZON-CL6-2021-COMMUNITIES-01-04: Socio-economic empowerment of the users of the sea	6	6	1	RIA	
HORIZON-CL6-2021-COMMUNITIES-01-05: Integrated urban food system policies – how cities and towns can transform food systems for co-benefits	12	12	1	IA	
HORIZON-CL6-2021-COMMUNITIES-01-06: Inside and outside: educational innovation with nature-based solutions	5	5	1	CSA	

2022 (p. 419)

HORIZON-CL6-2022-COMMUNITIES-01-01: Boosting women-led innovation in farming and rural areas	6	3	2	RIA	
HORIZON-CL6-2022-COMMUNITIES-01-02: Assessing and improving labour conditions and health and safety at work in farming	5	5	1	RIA	



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HORIZON-CL6-2022-COMMUNITIES-01-03: Integration of marine ecosystem service valuation, conservation and restoration in socio-economic models	9	9	1	IA	
HORIZON-CL6-2022-COMMUNITIES-01-04: Social innovation in food sharing to strengthen urban communities' food resilience	10	10	1	IA	6-7
HORIZON-CL6-2022-COMMUNITIES-01-05: Assessing the socio-politics of nature-based solutions for more inclusive and resilient communities	12	6	2	RIA	

Two-stage (p. 434)

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	14	7	2	IA	6-7
HORIZON-CL6-2022-COMMUNITIES-02-02-two-stage: Developing nature-based therapy for health and well-being	19	6	3	RIA	



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Destination 7 - Innovative governance, environmental observations and digital solutions in support of the Green Deal (p. 441)

Total indicative budget per destination: 370M EUR

2021: Opening: 22 Jun 2021— Deadline(s): 06 Oct 2021

2022: Opening: 28 Oct 2021 — Deadline(s): 15 Feb 2022

43 call topics	Indicative total budget, million EUR	Expected EU contribution per project, million EUR	Number of projects expected to be funded	Type of action	TRL
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Innovating with governance models and supporting policies (Total indicative budget per area: 136,5M EUR)

2021 (p. 446)

HORIZON-CL6-2021-GOVERNANCE-01-01: Mobilising the network of national contact points in Cluster 6	3,5	3,5	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-02: Furthering food systems science and federating researchers across the European Research Area	17	6	3	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-03: Preparatory action for the Horizon Europe Food System Partnership	5	5	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-04: Strengthening bioeconomy innovation and deployment across sectors and all governance levels	4	4	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-05: Fostering strategic advice and synergies between national and EU research and innovation agendas, including SCAR foresight	4	4	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-06: Environmental and social cross-compliance of marine policies	8	2-3	3	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-07: Regional governance models in the bioeconomy	5	2,5	2	CSA	



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HORIZON-CL6-2021-GOVERNANCE-01-08: Improving understanding of and engagement in bio-based systems with training and skills development	5	2,5	2	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-09: Revitalisation of European local communities with innovative bio-based business models and social innovation	5	2,5	2	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-10: Raising awareness of circular and sustainable bioeconomy in support of Member States to develop bioeconomy strategies and/or action plans	4	4	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-11: Education on the bioeconomy including bio- based sectors for young people in primary and secondary education in Europe	2	2	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-12: EU agriculture within a safe and just operating space and planetary boundaries	10	10	1	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-13: Modelling land use and land management in the context of climate change	10	5	2	RIA	

2022 (p. 515)

HORIZON-CL6-2022-GOVERNANCE-01-01: Mobilization of society to transform food systems for co-benefits	8	8	1	CSA	
HORIZON-CL6-2022-GOVERNANCE-01-02: European Partnership for a climate neutral, sustainable and productive Blue Economy	23	23-150	1	COFUND	
HORIZON-CL6-2022-GOVERNANCE-01-03: Multi- layer governance performance of marine policies	6	6	1	RIA	
HORIZON-CL6-2022-GOVERNANCE-01-04: Consumer-focused labelling options for bio-based products	3	3	1	CSA	
HORIZON-CL6-2022-GOVERNANCE-01-05: Innovative tools and methods to evaluate the design and support, monitoring and implementation of effective CAP Strategic Plans	4	4	1	CSA	
HORIZON-CL6-2022-GOVERNANCE-01-06: Water governance, economic and financial sustainability of water systems	10	3	3	RIA	5



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Deploying and adding value to Environmental Observations (89M EUR)

2021 (p. 476)

HORIZON-CL6-2021-GOVERNANCE-01-14: User-oriented solutions building on environmental observation to monitor critical ecosystems and biodiversity loss and vulnerability in the European Union	20	3-5	4	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-15: Preparing for pre-commercial procurement (PCP) for end-user services based on Environmental Observation in the area Climate Change Adaptation and Mitigation	2	2	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-16: Tools to support the uptake and accessibility/exploitability of environmental observation information at European and global level	13	13	1	IA	6-8
HORIZON-CL6-2021-GOVERNANCE-01-17: Common European Green Deal data space to provide more accessible and exploitable environmental observation data in support of the European Green Deal priority actions	10	3-5	2	IA	6-8

2022 (p. 531)

HORIZON-CL6-2022-GOVERNANCE-01-07: New technologies for acquiring in-situ observation datasets to address climate change effects	20	3	6	IA	6-8
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	14	3-5	3	IA	6-8
HORIZON-CL6-2022-GOVERNANCE-01-09: Environmental observations solutions contributing to meeting "One Health" challenges	10	5	2	RIA	



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Digital and data technologies as key enablers (68M EUR)

2021 (p. 484)

HORIZON-CL6-2021-GOVERNANCE-01-18: Mapping and improving the data economy for food systems	10	10	1	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-19: Development of the markets and use of digital technologies and infrastructure in agriculture – state of play and foresight: digital- and data technologies for the agricultural sector in a fast changing regulatory, trade and technical environment	4	2-4	1	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-20: Data economy in the field of agriculture – effects of data sharing and big data	4	2-4	1	RIA	
HORIZON-CL6-2021-GOVERNANCE-01-21: Potential of drones as multi-purpose vehicle – risks and added values	12	6	2	RIA	4-5
HORIZON-CL6-2021-GOVERNANCE-01-22: Assessing the impacts of digital technologies in agriculture – cost, benefits, and potential for sustainability gains	15	7,5	2	RIA	

2022 (p. 537)

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	8	4	2	RIA	4-6
HORIZON-CL6-2022-GOVERNANCE-01-11: Upscaling (real-time) sensor data for EU-wide monitoring of production and agri-environmental conditions	15	5-7,5	3	RIA	4-5

Strengthening agricultural knowledge and innovation systems (76,5M EUR)

2021 (p. 493)

HORIZON-CL6-2021-GOVERNANCE-01-23: Broaden EIP Operational Group outcomes across borders by means of thematic networks, compiling and sharing knowledge ready for practice	4	2	2	CSA	
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HORIZON-CL6-2021-GOVERNANCE-01-24: Supporting knowledge exchange between all AKIS actors in the Member States by means of an EU-wide interactive knowledge reservoir	15	15	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-25: Improving national AKIS organisation in a co-creative process across the EU	10	10	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-26: Deepening the functioning of innovation support	5	5	1	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-27: Developing EU advisory networks on consumer-producer chains	8	4	2	CSA	
HORIZON-CL6-2021-GOVERNANCE-01-28: Thematic networks to compile and share knowledge ready for practice	8,5	3	3	CSA	

2022 (p. 543)

HORIZON-CL6-2022-GOVERNANCE-01-12: Thematic networks to compile and share knowledge ready for practice	9	3	3	CSA	
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	4	2	2	CSA	
HORIZON-CL6-2022-GOVERNANCE-01-14: Improving preparation of multi-actor projects to enable the relevant actors to work in a co-creative way	5	5	1	CSA	
HORIZON-CL6-2022-GOVERNANCE-01-15: Developing EU advisory networks on water use	8	4	2	CSA	