

NEWSLETTER

OFFICE TO SUPPORT INTERNATIONAL PROJECTS FOCUSED ON LIFE SCIENCES IN THE EUROPEAN RESEARCH AREA

Current Calls / Science-focused programmes / Networking / News

AUTUMN 2023

Welcoming

Dear readers,

We are pleased to bring you the new issue of the Newsletter published by the Office to Support International Projects Focused on Life Sciences in the European Research Area you interesting information from the world of science and innovation.

In the current issue we will focus on several calls from European and Czech funders. Among other things, the Ministry of Education, Youth and Sports has just launched a bilateral call with Israel or the Federal State of Bavaria, several calls from the Technology Agency CR are open, and the LIFE calls are also worth noting. As most of the calls of Clusters 4, 5 and 6 of Horizon Europe have a deadline recently, we conclude with a fresh overview of the most relevant calls for the whole year 2024. On top of that, you will find in the newsletter recent news together with the events that are coming up. You can read about the latest research, discoveries and technologies, or the highlights of ongoing projects.

We hope that you will find valuable insights that will appeal to you and motivate you to further explore the world of science and research.

We wish you a pleasant reading and a pleasant autumn.

Prof. Ing. Václav Hejnák, Ph.D.

Czech University of Life Sciences
Prague

Current Calls

MEYS – INTER-ACTION LUAIZ24 (Bilateral projects CZE – Israel)

The Ministry of Education, Youth and Sports (MEYS) launched the call LUAIZ24 with the state of Israel. The call aims to select collaborative applied research projects focusing on the following areas/sub-areas: 1. Health and medicine - drug design and development; 2. Sustainability and environmental protection - climate change, clean energy, desert research, water; 3. Data science - applications of artificial intelligence. The duration of the supported projects is set at 3 years.

Maximum grant contribution: 2,5 mil. CZK (for 3 years)

Deadline: 15. 11. 2023

Link (Czech only): [INTER-ACTION – LUAIZ24 \(CZE – Israel\)](#)

MEYS – INTER-ACTION – LUABA24 (Bilateral projects CZE – Bavaria, Germany)

The Ministry of Education, Youth and Sports (MEYS) also announced the call LUABA24 with the Free State of Bavaria, Germany. The intention of LUABA24 is to select joint research projects in applied research, focusing on the following areas/sub-areas: 1. Computer and Information Sciences; 2. Engineering and Technology in the specialisation of Materials Research, Nanotechnology; 3. Social Sciences; 4. Humanities and Arts. The duration of the supported projects is set at 2.5 years.

Maximum grant contribution: 5,5 mil. CZK (support for the Czech part)

Deadline 30. 11. 2023

Link (Czech only): [INTER-ACTION – LUABA24 \(CZE – Bavaria, Germany\)](#)

Project HIVE introduces new course to promote entrepreneurial skills

A new [online course](#) focusing on entrepreneurial skills is being launched for those interested in expanding their knowledge of the business world. The course, divided into six individual modules, is being developed under the auspices of the [HIVE](#) (HEI Innovation for Knowledge Intensive Entrepreneurship) project funded by the European Institute of Technology and Innovation. Each of the completed modules is certified. Course registration is available [here](#).

National Information Day on Cluster 6

The National Information Day on Cluster 6 (Food, Bioeconomy, Natural Resources, Agriculture and Environment) of the Horizon Europe programme will take place on Tuesday 24 October 2023 from 9:30 to 14:00 at the Czech University of Life Sciences Prague. The programme around the Horizon Europe calls will be complemented by the current co-funding calls of the Technology Agency of the Czech Republic (TA ČR), the LIFE programme, which is covered by the Ministry of the Environment, or an insight into the possibilities of the European Institute of Innovation and Technology in the field of Food. You can register [here](#).

Horizon Implementation Day: Finding opportunities and submitting a proposal in HE

In October, the European Commission will organise a series of three information days on Horizon Europe implementation issues.

This [first part](#) (5 October) of the Horizon Implementation Day series 2023 will give you detailed information about Finding opportunities and submitting a proposal in Horizon Europe.

The Ministry of Finance - The 4th Open Call from the Fund for Bilateral Relations

Ministry of Finance – National Focal Point for EEA and Norway Grants in the CR launched on 28 April 2022 the 4th Open Call for submission of Grant Applications for bilateral initiatives under the Fund for Bilateral Relations.

The Fund for Bilateral Relations was established to strengthen bilateral relations between the Czech Republic and the Donor States (Norway, Iceland and Liechtenstein) and it serves as a flexible source for financing of a wide range of initiatives of mutual interest, both for Czech entities and for entities from the Donor States. The 4th Open Call is focused on the cooperation of entities from the Czech Republic and Norway. Partnership with an entity from Norway is therefore mandatory. Cooperation between the Czech Republic and Iceland or Liechtenstein will be allowed in case the conditions of mandatory partnership with an entity from Norway is fulfilled.

Maximum grant contribution: The total amount of funding for the 4th open call is CZK 23 892 222 (€ 977 187). The cost per project is not specified.

Deadline: 31. 12. 2023 or until the call allocation is exhausted.

Link: [4th Open Call from the Fund for Bilateral Relations](#)

Technology Agency of the Czech Republic (TA CR) - Water4All Call 2023: Aquatic Ecosystem Services

This call is part of the Water4All European Partnership call portfolio. This is the second joint international call under this European Partnership. The main objective of this call is to support research and innovation projects aimed at improving the long-term security of water resources. The upper limit of eligible project partners in a consortium is 7, including 1 potential self-funding partner. There shall be no more than one self-funded project partner per project consortium.

Themes of the call:

- Mapping, monitoring, and assessment for a better understanding of ecosystem services in a context of changes, from local to global change.
- Understanding and predicting multiple pressures (including anthropogenic pressures) – impact – response relationships in ecosystem services through advanced methods and techniques.
- New tools and solutions for a better integration of ecosystem services into the management of water resources.

Maximum grant contribution: 150 000 €

Deadline: 13. 11. 2023 (15:00 CET)

Link: [Water4All](#)

Technology Agency of the Czech Republic (TA CR)

– Biodiversity Partnership Call 2023

Biodiversa+ – the European Biodiversity Partnership – is pleased to announce that its BiodivNBS Call for Transnational Research Proposals on “Nature-based solutions for biodiversity, human well-being and transformative change – BiodivNBS” is now open. This Call aims at supporting research on biodiversity to gain a better understanding of the tipping points and trade-offs and underlying mechanisms affecting Nature-based Solutions, and their successful implementation with respect to the benefits for nature, human well-being and societal transformation.

Themes of the call:

- Synergies and trade-offs of Nature-based solutions in the context of human well-being
- Nature-based solutions mitigating anthropogenic drivers of biodiversity loss
- The contribution of Nature-based solutions for just transformative change

Maximum grant contribution: 170 000 €

Deadline: 10. 11. 2023 (15:00 CET)

Link: [Biodiversity Partnership](#)

Contacts to the project team

Bc. Tereza Šeflová – seflova@rektorat.czu.cz

(Consultant for the area of Horizon Europe, Norwegian funds, LIFE, COST, Erasmus+, Visegrad Fund)

Ing. Patrik Toula – toulap@rektorat.czu.cz

(Consultant for the area of Horizon Europe, Norwegian funds, LIFE, COST, Erasmus+, Visegrad Fund)

Ing. Jitka Jechová – jechova@rektorat.czu.cz

(Consultant for the area of Horizon Europe, Norwegian funds, LIFE, COST, Erasmus+, Visegrad Fund)

Ing. Laura Míčková - laura.mickova@outlook.cz

(Consultant for the area of Agrobiology)

Mgr. Kateřina Chmelíková – chmelikovakaterina@fzp.czu.cz

(Consultant for the area of Environment)

Mgr. Emilie Trakalová – trakalova@fzp.czu.cz

(Consultant for the area of Environment)

Ing. Martin Čabrada – cabrada@fld.czu.cz

(Consultant for the area of Forestry)

Ing. Eva Májová – majova@fld.czu.cz

(Consultant for the area of Forestry)

doc. Ing. Jan Tyrychtr, Ph.D. – tyrychtr@pef.czu.cz

(Consultant for the area of Bioeconomy)

Ing. Stipan Čupić – cupic@fld.czu.cz

(Consultant for the area of Bioeconomy)

Ing. Tereza Žáková, Ph.D. – zakova@ftz.czu.cz

(Consultant for the area of Tropical Environment)

The [second part](#) (17 October) of the Horizon Implementation Day series 2023 will give you detailed information about Grant Agreement Preparation in Horizon Europe.

The [third part](#) (24 October) of the Horizon Implementation Day series 2023 will give you detailed information about Grant Management in Horizon Europe.

Lump Sum Funding in Horizon Europe: How does it work? How to write a proposal?

On 19 October 2023, the European Commission is organising a webinar on the new Lump Sum funding modality in Horizon Europe projects. The event is mainly aimed at beneficiaries or applicants of these projects. More information can be found [here](#).

National Information Day on Cluster 4

On Wednesday 25 October, the Technology Centre Prague will hold an information day on the 2024 challenges in Cluster 4 (Digital, Industry and Space). More information can be found on the Technology Centre Prague [website](#) (Czech only).

High Quality, Transparent, Open, Credible and Fair Academic Publishing

During its May meeting, the European Council adopted Conclusions on high quality, transparent, open, trustworthy and fair academic publishing. In these conclusions, the Council calls for immediate and unrestricted open access in the publication of publicly funded research. It encourages Member States to develop policies to make academic publications immediately and fully available on an open licensing basis. More information here in the [document](#).

Conference Science Communication 2023

The [conference](#) is dedicated to science communication and will focus on how to set up good and effective communication channels between scientists and PR staff and project managers within the institution. The Science Communication Conference is aimed at publicity and external relations officers, press officers, project managers, members of research teams, management representatives of research organisations with responsibility for publicity and development, and anyone else with an interest in the communication and popularisation of science and research (Czech only).

The Central European Joint Infodays 2023

[The Central European Joint Infoday 2023](#) (training seminar focusing on Erasmus+ international centralised actions in higher education) are organised by Erasmus+ National Agencies from four neighbouring countries: Austria, Czechia, Hungary and Slovakia. This year, the event will take place in Vienna on 4–5 December 2023 and it will be organized as an Erasmus+ Training and Cooperation Activity (TCA). Participants will also have the opportunity to meet representatives from the European Commission, EACEA, National Erasmus+ Offices and/or National Focal Points, whose members will explain priorities of their respective Erasmus+ partner countries/regions relevant for future project proposals.

19th IEEE e Science Conference (eScience 2023)

The [19th IEEE eScience Conference](#) will be held on 9-13 October, 2023. eScience studies, enacts, and improves the ongoing process of innovation in computationally-intensive or data-intensive research methods; typically this is carried out collaboratively, often using distributed infrastructure. eScience encompasses all fields of research and addresses all stages of the research

Technology Agency of the Czech Republic (TA CR) – Driving Urban Transitions (DUT) Call 2023

The purpose of this Call is to support transnational research and/or innovation projects addressing urban challenges to help cities in their transition towards a more sustainable economy and functioning. The challenges are grouped into three themes called Transition Pathways: Positive Energy Districts (PED), the 15-Minute City (15mC) and Circular Urban Economies (CUE).

Positive Energy Districts Pathway (PED):

- Energy Resilience and Energy Poverty
- Enabling Systems for Local Energy Transitions: Collaboration and Sustainable Investment

15-Minutes City Pathway (15mC):

- Mobility and Planning Policies for Proximity-oriented Developments

Maximum grant contribution: 200 000 €

Deadline: 21. 11. 2023

Link: [Driving Urban Transitions \(DUT\)](#)

ERC Synergy Grants – ERC-2024-SyG

The aim is to provide support for a small group of two to four Principal Investigators to jointly address ambitious research problems that could not be addressed by the individual Principal Investigators and their teams working alone. Synergy projects should enable substantial advances at the frontiers of knowledge, stemming, for example, from the cross-fertilization of scientific fields, from new productive lines of enquiry, or new methods and techniques, including unconventional approaches and investigations at the interface between established disciplines. The transformative research funded by Synergy Grants should have the potential of becoming a benchmark on a global scale.

Maximum grant contribution: Up to €10 000 000 for a period of 6 years. The maximum grant amount is reduced proportionally for projects with a shorter duration.

Deadline: 8. 11. 2023 (17:00 CET)

Link: [ERC Synergy Grants](#)

EK – Přejchod na čistou energii (13 výzev) - LIFE-2023-CET

The aim of the call is to build national, regional and local policy frameworks to support the clean energy transition.

Calls:

1. **Energy Performance of Buildings - Creating the conditions to make renovation faster, deeper, smarter, service- and data-driven (LIFE-**

- 2023-CET-BETTERRENO)
2. **BUILD UP Skills – Upskilling and reskilling interventions enabling a decarbonised building stock and energy system integration** (LIFE-2023-CET-BUILDSKILLS)
 3. **Supporting the clean energy transition of European businesses** (LIFE-2023-CET-BUSINESS)
 4. **District heating and cooling: Enabling modernisation and fuel switch through support for investment plans and skills development** (LIFE-2023-CET-DHC)
 5. **European Energy Communities Facility** (LIFE-2023-CET-ENERCOMFACILITY)
 6. **Alleviating household energy poverty and vulnerability in Europe** (LIFE-2023-CET-ENERPOV)
 7. **Maximising use of and valorising EPREL data through innovative applications** (LIFE-2023-CET-EPREL)
 8. **Boosting heat pump deployment through alternative models and skilled installers** (LIFE-2023-CET-HEATPUMPS)
 9. **Technical support to clean energy transition plans and strategies in municipalities and regions** (LIFE-2023-CET-LOCAL)
 10. **Integrated services for clean energy transition in buildings and businesses** (LIFE-2023-CET-OSS)
 11. **Project Development Assistance for sustainable energy investments** (LIFE-2023-CET-PDA)
 12. **Towards an effective implementation of key legislation in the field of sustainable energy** (LIFE-2023-CET-POLICY)
 13. **Crowding in private finance** (LIFE-2023-CET-PRIVAFIN)

Maximum grant contribution:

- 11 mil. € (LIFE-2023-CET-BETTERRENO)
- 6 mil. € (LIFE-2023-CET-BUILDSKILLS)
- 6 mil. € (LIFE-2023-CET-BUSINESS)
- 6,5 mil. € (LIFE-2023-CET-DHC)
- 10 mil. € (LIFE-2023-CET-ENERCOMFAC)
- 6 mil. € (LIFE-2023-CET-ENERPOV)
- 2,5 mil. € (LIFE-2023-CET-EPREL)
- 6,5 mil. € (LIFE-2023-CET-HEATPUMPS)
- 8 mil. € (LIFE-2023-CET-LOCAL)
- 15 mil. € (LIFE-2023-CET-OSS)
- 7 mil. € (LIFE-2023-CET-PDA)
- 8 mil. € (LIFE-2023-CET-POLICY)
- 6,5 mil. € (LIFE-2023-CET-PRIVAFIN)

Deadline: 16. 11. 2023 (17:00 CET)

Link: [Funding & tenders - LIFE Programme](#)

lifecycle, from formulation of the research questions, through large scale simulations and data analytics, scientific discovery, up to long-term sharing, reusing, and reapplying of the results, data as well as the relevant tools, processes and knowledge.

European Week of Regions and Cities

[The European Week of Regions and Cities](#) is an annual four-day event during which cities and regions showcase their capacity to create growth and jobs, implement European Union cohesion policy, and prove the importance of the local and regional level for good European governance.

Researchers' Night

On 6 October 2023, Researchers' Night will take place across the Czech Republic. [Researchers' Night](#), an event that, for one evening, brings life to hundreds of science buildings that no ordinary mortal can enter. Visitors pass through laboratories and lecture halls, experience exploding experiments, and learn about hot topics in depth. Everyone with a passion for science – children, adults, and seniors – is welcome.

Project BETTER Life is creating Digital Centre of Excellence

Project [BETTER Life](#) (Bringing Excellence to Transformative Engaged Research in Life Sciences through Integrated Digital Centres) coordinated by the Czech University of Life Sciences Prague, is creating Digital Centre of Excellence to develop the capacity of early career researchers for socially engaged research in life sciences. For more information, please follow the project website and individual official channels:

[Facebook](#), [Twitter \(X\)](#) a [LinkedIn](#).

Great Britain returns to Horizon Europe

The European Commission has concluded an association agreement with the United Kingdom on Horizon Europe,

which will allow UK researchers and research organisations to participate in Horizon Europe and Copernicus from 1 January 2024. This creates an obligation for the UK to contribute financially to the European budget. On average, the UK will contribute almost €2.6 billion a year to participation in both programmes, but there will be no retrospective liability. The agreement still needs to be approved by member states and the EU-UK Specialised Committee on Participation in Union Programmes.

UK and Germany Announce Clean Hydrogen Partnership

The UK and Germany announced a partnership to collaborate on the development of hydrogen as a net-zero fuel and to accelerate the deployment of hydrogen projects for industry and consumers. This will include taking a lead in setting safety standards and regulations, supporting research and innovation from production to end use, promoting trade, and carrying out joint market analysis.

EC Has Published The Conditions of the European Hydrogen Bank Auction

The auction, organized by the European Hydrogen Bank will take place on November 23, with an expected end of February 8, 2024. This new form of support for hydrogen projects will distribute 800 million euros among the projects with the lowest bids. Successful applicants will receive support in the form of a fixed premium per kilogram of renewable hydrogen for a period of ten years. This amount should cover the difference between production costs and the market value of hydrogen and thus assist market deployment.

MEPs Confirmed Iliana Ivanova as New Commissioner

The European Parliament approved the appointment of Iliana Ivanova (Bulgaria) as Commissioner for innovation, re-

European Commission – PERA – Advancing the ERA of Plant Protection Products towards a system-based approach – EU-BA-EFSA-2023-PREV-01

With this call EFSA aims to address different needs in the area of the Environmental Risk Assessment (ERA) of Plant Protection Products (PPP). In particular the scope is to advance ERA methodologies in the area of terrestrial ecotoxicology by collecting and generating data to further improve the current knowledge on the exposure of non-target organisms in agro-ecosystems and to link the exposure with the effects; to characterise the hazards to non-target organisms at different level of biological organisation; to collect and evaluate existing effect models. The findings of these activities will enable the integration of landscape and ecology features in the regulatory risk assessment methodologies according to the principles of the system-based approach and will allow to identify innovative tools for assessing the effects at higher level of biological organisation.

Maximum grant contribution: The total call allocation is 10 000 000 €.

Deadline: 8. 11. 2023

Link: [Funding & tenders - PERA](#)

European Commission – FOODITY - Open Call #1

The objective of the FOODITY - Open Call #1 is to fund innovative data-driven solutions for food and nutrition respectful of users' personal data sovereignty. Other specific objectives include:

- Address the low readiness level and lack of standards in (food and data sovereignty) research.
- Address poor understanding of data rights and utilisation among citizens.
- Bring together different actors towards developing data privacy standards.

Applicants must develop a solution that addresses one of the following areas: (1) personalised nutrition, (2) shopping experiences or (3) sustainability, all within the domains of nutrition and food systems. An open challenge is also available. Citizen engagement is expected as part of the development of the solution and during the pilot. Applicants are also required to use the FOODITY datalake and dataU platform.

Maximum grant contribution: The total call allocation is 997 500 €.

Deadline: 8. 11. 2023

Link: [FOODITY](#)

European Commission – Excellence Hubs HORIZON-WIDERA-2023-ACCESS-07-01

Excellence hubs will focus on innovation by allowing innovation ecosystems in Widening countries and beyond, to team up and create better linkages between academia, business, government and society. This will foster a real place-based innovation culture in Widening countries based on a strategic agenda aligned with regional or national smart specialisation strategies. In this context, synergies will be sought with the programme parts on European Innovation Ecosystems, EIC pathfinder and the European Institute of Innovation & Technology (EIT) as well as the initiative 'Partnerships for Regional Innovation' run by the JRC. The excellence hubs will be the basis in Widening countries of the pan-European Innovation Ecosystem of the new Innovation Agenda for Europe. The proposal should also demonstrate the win-win effects of the partnership established by the consortium and the benefits for employment and post crisis recovery.

Maximum grant contribution: 5 000 000 €.

Deadline: 7. 3. 2024

Link: [Funding & tenders - Excellence Hubs](#)

Horizon Europe: Clusters 4, 5 a 6

As usual, we present below an overview of the individual topics in Cluster 4 (Digital, Industry and Space), 5 (Climate, Energy, Mobility) and Cluster 6 (Food, Bioeconomy, Natural Resources, Agriculture and Environment). In the overview of each cluster below you will find the title of the call including the reference, the type of action and the closing date of the call.

Cluster 6 (Food, Bioeconomy, Natural Resources, Agriculture and Environment)

aims at reducing environmental degradation, halting and reversing the decline of biodiversity on land, inland waters and sea and better managing natural resources through transformative changes of the economy and society in both urban and rural areas.

Cluster 5 (Climate, Energy, Mobility) aims to fight climate change by better understanding its causes, evolution, risks, impacts and opportunities, and by making the energy and transport sectors more climate and environment-friendly, more efficient and competitive, smarter, safer and more resilient.

Cluster 4 (Digital, Industry and Space) aims to create competitive and credible technologies for European industry with global leadership in key areas, enabling production and consumption to respect the limits of our planet and maximise benefits for all parts of society in different social, economic and territorial contexts in Europe.

search, culture, education and youth. Ivanova, who was nominated by GERB-UDF, one of two political formations making up Bulgaria's rotational government, will take over the position vacated by Mariya Gabriel, who resigned in May to serve as deputy prime minister and foreign affairs minister in the current cabinet.

Martin Kern to Lead EIT for Another Four Years

Martin Kern will stay on as director of the European Institute of Innovation and Technology (EIT) for another four year term, its governing board has decided. Kern, a season Commission bureaucrat, has been director of the EIT since 2019, having previously held the same role in caretaker capacity as interim director. The EIT is an EU agency that runs nine sector-specific knowledge and innovation communities (KICs) that provides funding and education opportunities for European entrepreneurs in fields such as innovative energy, climate, health and cultural industries.

EU Launches Cancer Imaging Platform

The European Commission has launched the European Cancer Imaging initiative, a major milestone in its plan to deploy a federated infrastructure of cancer data for researchers, innovators and healthcare providers. The initiative is part of the EU's plan for beating cancer and it aims to deploy digital technologies in cancer research, treatment and care, to achieve more precise and faster clinical decision-making, diagnostics, treatments and predictive medicine for the benefit of cancer patients. The imaging platform is linking 36 datasets of images of nine cancer types, amounting to over 200,000 images of 20,000 patients. More information is available [here](#).

HORIZON EUROPE

Cluster 6 - Food, Bioeconomy Natural Resources, Agriculture and Environment

HORIZON-CL6-2024-BIODIV-01 - Biodiversity and ecosystem services

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL62024-BIODIV-01-1	Invasive alien species	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-2	Digital for nature	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-3	Dependence of society and the economy on pollinators	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-4	Biodiversity, economics and finance: Understanding macrofinancial risks associated with biodiversity loss	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-5	Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-6	Promoting pollinator friendly farming systems	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-7	Reintroduction of landscape features in intensive agricultural areas	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-8	Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-BIODIV01-9	Selective breeding programme for organic aquaculture	HORIZON-RIA	Single stage	22.02.2024

HORIZON-CL6-2024-BIODIV-02 - Biodiversity and ecosystem services

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL62024-BIODIV02-1-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	HORIZON-IA	Two stage	22.02.2024 17.09.2024

HORIZON-CL6-2024-BIODIV02-2-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	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-BIODIV02-3-two-stage	Promoting minor crops in farming systems	HORIZON-RIA	Two stage	22.02.2024 17.09.2024

HORIZON-CL6-2024-FARM2FORK-01 - Fair, healthy and environmentally friendly food systems from primary production to consumption

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-FARM2FORK-01-1	Agro-pastoral/outdoor livestock systems and wildlife management	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-2	New healthy and sustainable food products and processes	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-3	Thematic network tackling food fraud by translating research and innovation into practice	HORIZON - CSA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-4	Climate change and food safety: effects of climate change on food safety across food systems	HORIZON-RIA	Single stage	22.02.2024
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	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-FARM2FORK-01-6	Citizens' science as an opportunity to foster the transition to sustainable food systems	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-7	Impact of the development of novel foods based on alternative sources of proteins	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-8	Preventing and reducing food waste to reduce environmental impacts and to help reach 2030 climate targets	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-9	Microbiome for flavour and texture in the organoleptic dietary shift	HORIZON-IA	Single stage	22.02.2024

HORIZON-CL6-2024-FARM2FORK-01-10	EU-African Union cooperation on agroforestry management for climate change adaptation and mitigation	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-FARM2FORK-01-11	EU-African Union – towards climate-neutral, social just fair trade food systems	HORIZON-RIA	Single stage	22.02.2024

HORIZON-CL6-2024-FARM2FORK-02 - Fair, healthy and environmentally friendly food systems from primary production to consumption

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-FARM2FORK-02-1-two-stage	Increasing the availability and use of non-contentious inputs in organic farming	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-FARM2FORK-02-2-two-stage	Sustainable organic food innovation labs: reinforcing the entire value chain	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-FARM2FORK-02-3-two-stage	Tools to increase the effectiveness of EU import controls for plant health	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-FARM2FORK-02-4-two-stage	Tackling outbreaks of plant pests	HORIZON-RIA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-FARM2FORK-02-5-two-stage	Animal nutritional requirements and nutritional value of feed under different production management conditions	HORIZON-RIA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-FARM2FORK-02-6-two-stage	Minimising climate impact on fisheries: mitigation and adaptation solutions for future climate regimes	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-FARM2FORK-02-7-two-stage	Minimising climate impact on aquaculture: mitigation and adaptation solutions for future climate regimes	HORIZON-IA	Two stage	22.02.2024 17.09.2024

HORIZON-CL6-2024-CIRCBIO-01 - Circular economy and bioeconomy sectors

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL62024-CircBio01-1	Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)	HORIZON - CSA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-2	Circular solutions for textile value chains based on extended producer responsibility	HORIZON-IA	Single stage	22.02.2024

HORIZON-CL62024-CircBio01-3	Innovative circular solutions for furniture	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-4	Systemic circular solutions for a sustainable tourism	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-5	Programmed biodegradation capability of bio-based materials and products, validated in specific environments	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-6	Digital information systems for bio-based products	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-7	Demonstrating the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-8	Bioeconomy project development assistance	HORIZON - CSA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-9	Circular bioeconomy start-up villages	HORIZON - CSA	Single stage	22.02.2024
HORIZON-CL62024-CircBio01-10	Targeting aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals	HORIZON-RIA	Single stage	22.02.2024

HORIZON-CL6-2024-CIRCBIO-02 - Circular economy and bioeconomy sectors

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL62024-CircBio02-1-two-stage	Circular solutions for textile value chains through innovative sorting, recycling, and design for recycling	HORIZON-RIA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-CircBio02-2-two-stage	Increasing the circularity in plastics value chains	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-CircBio02-3-two-stage	Increasing the circularity in electronics value chains	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-CircBio-02-4-two-stage	New circular solutions and decentralised approaches for water and wastewater management	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-CircBio02-5-two-stage	Circular design of bio-based processes and products	HORIZON-RIA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-CircBio-02-6-two-stage	From silos to diversity – smallscale bio-based demonstration pilots	HORIZON-IA	Two stage	22.02.2024 17.09.2024

HORIZON-CL6-2024-ZEROPOLLUTION-01 - Clean environment and zero pollution

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-ZEROPOLLUTION-01-1	Demonstrating how regions can operate within safe ecological and regional nitrogen and phosphorus boundaries	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL6-2024-ZEROPOLLUTION-01-2	Best available techniques to recover or recycle fertilising products from secondary raw materials	HORIZON - CSA	Single stage	22.02.2024
HORIZON-CL6-2024-ZEROPOLLUTION-01-3	Environmental impacts of food systems	HORIZON-RIA	Single stage	22.02.2024

HORIZON-CL6-2024-ZEROPOLLUTION-02 - Clean environment and zero pollution

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-ZEROPOLLUTION-02-1-twostage	Holistic approaches for effective monitoring of water quality in urban areas	HORIZON-IA	Two stage	21.02.2024 17.09.2024
HORIZON-CL6-2024-ZEROPOLLUTION-02-2-twostage	Innovative technologies for zero pollution, zero-waste biorefineries	HORIZON-RIA	Two stage	21.02.2024 17.09.2024

HORIZON-CL6-2024-CLIMATE-01 - Land, oceans and water for climate action

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL62024-CLIMATE-01-1	Improving irrigation practices and technologies in agriculture	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-CLIMATE-01-2	Socio-economic, climate and environmental aspects of paludiculture	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-CLIMATE-01-3	Paludiculture: large-scale demonstrations	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL62024-CLIMATE-01-4	Land use change and local / regional climate	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-CLIMATE-01-5	Climate-smart use of wood in the construction sector to support the New European Bauhaus	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL62024-CLIMATE-01-6	Ocean models for seasonal to decadal regional climate impacts and feedbacks	HORIZON-RIA	Single stage	22.02.2024

HORIZON-CL62024-CLIMATE-01-7	EU-China international cooperation on improving monitoring for better integrated climate and biodiversity approaches, using environmental and Earth observation	HORIZON-RIA	Single stage	22.02.2024
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HORIZON-CL6-2024-COMMUNITIES-01 - Resilient, inclusive, healthy and green rural, coastal and urban communities

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-COMMUNITIES-01-1	Unlock the potential of the New European Bauhaus in urban food system transformation	HORIZON-IA	Single stage	22.02.2024
HORIZON-CL6-2024-COMMUNITIES-01-2	Societal perceptions and benefits of rural life and jobs: will COVID 19 generate a long-lasting shift?	HORIZON-RIA	Single stage	22.02.2024
HORIZON-CL6-2024-COMMUNITIES-01-3	Participation and empowerment of Arctic coastal, local, and indigenous communities in environmental decision-making	HORIZON-RIA	Single stage	22.02.2024

HORIZON-CL6-2024-COMMUNITIES-02 - Resilient, inclusive, healthy and green rural, coastal and urban communities

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-COMMUNITIES-02-1-two-stage	Innovating for climate-neutral rural communities by 2050	HORIZON-IA	Two stage	22.02.2024 17.09.2024
HORIZON-CL6-2024-COMMUNITIES-02-2-two-stage	New sustainable business and production models for farmers and rural communities	HORIZON-RIA	Two stage	22.02.2024 17.09.2024

HORIZON-CL6-2024-GOVERNANCE-01 - Innovative governance, environmental observations and digital solutions in support of the Green Deal

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL6-2024-GOVERNANCE-01-1	Additional activities for the European Partnership for a climate neutral, sustainable and productive Blue Economy	HORIZON - COFUND	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-2	Regional ecosystems of innovation to foster food system transformation	HORIZON - CSA	Single stage	28.02.2024

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 practices	HORIZON - CSA	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-5	Customisation/preoperationalisation of prototypes end-user services in the area Climate Change Adaptation and Mitigation	HORIZON - PCP	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-6	Develop innovative applications to support the European Green Deal, building on meteorological satellite data	HORIZON-RIA	Single stage	28.02.2024
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	HORIZON-RIA	Single stage	28.02.2024
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	HORIZON - CSA	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-9	Thematic networks to compile and share knowledge ready for practice	HORIZON - CSA	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-10	Organic farming thematic networks to compile and share knowledge ready for practice	HORIZON - CSA	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-11	Biodiversity thematic networks to compile and share knowledge ready for practice	HORIZON - CSA	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-12	Developing EU advisory networks on forestry	HORIZON - CSA	Single stage	28.02.2024
HORIZON-CL6-2024-GOVERNANCE-01-13	Developing EU advisory networks on sustainable livestock systems	HORIZON - CSA	Single stage	28.02.2024

Cluster 5 - Climate, Energy and Mobility

Climate

HORIZON-CL5-2024-D1-01 - Climate sciences and responses

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL52024-D1-01-01	Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks	HORIZON-RIA	Single stage	05.03.2024
HORIZON-CL52024-D1-01-02	Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change	HORIZON-RIA	Single stage	05.03.2024
HORIZON-CL52024-D1-01-03	Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system	HORIZON-RIA	Single stage	05.03.2024
HORIZON-CL52024-D1-01-04	Improved toolbox for evaluating the climate and environmental impacts of trade policies	HORIZON-RIA	Single stage	05.03.2024
HORIZON-CL52024-D1-01-05	Next generation low-emission, climate-resilient pathways and NDCs for a future aligned with the Paris Agreement	HORIZON-RIA	Single stage	05.03.2024
HORIZON-CL52024-D1-01-06	The role of climate change foresight for primary and secondary raw materials supply	HORIZON-RIA	Single stage	05.03.2024
HORIZON-CL52024-D1-01-07	Quantification of the role of key terrestrial ecosystems in the carbon cycle and related climate effects	HORIZON-RIA	Single stage	05.03.2024

Mobility

HORIZON-CL5-2024-D5-01 - Clean and competitive solutions for all transport modes

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL52024-D5-01-01	Smart, low-cost pervasive stationary slow charging and bidirectional solutions synergic with the grid for EV mass deployment (2ZERO Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-02	Integration and testing of next generation post-800V electric powertrains (2ZERO Partnership)	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-03	Advanced battery system integration for next generation vehicles (2ZERO Partnership)	HORIZON-RIA	Single stage	18.04.2024

HORIZON-CL5-2024-D5-01-04	Integrated flexible multipoint megawatt charging systems for electric truck mass deployment (2ZERO Partnership) (2024)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-05	Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility (2ZERO Partnership)	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-06	New designs, shapes, functionalities of Light Commercial Vehicles (2ZERO Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-07	Accelerating climate neutral aviation, minimising non-CO2 emissions	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-08	Competitiveness and digital transformation in aviation – advancing further composite aerostructures	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL5-2024-D5-01-09	Impact monitoring of EU Aviation R&I	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-10	Towards a flying testbed for European leadership in aviation	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-11	Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport (ZEWT Partnership)	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-12	Combining state-of-the-art emission reduction and efficiency improvement technologies in ship design and retrofitting for contributing to the "Fit for 55" package objective by 2030 (ZEWT Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-13	Demonstration of Technologies to minimise underwater noise generated by waterborne transport (ZEWT Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-14	Demonstrating efficient fully DC electric grids within waterborne transport for large ship applications (ZEWT Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-15	Advanced digitalisation and modelling utilizing operational and other data to support zero emission waterborne transport (ZEWT Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL52024-D5-01-16	Structuring the Waterborne transport sector, including through changed business and industrial models in order to achieve commercial zero-emission waterborne transport (ZEWT Partnership)	HORIZON CSA	Single stage	18.04.2024

HORIZON-CL52024-D5-01-17	Coordinating and supporting the combined activities of member and associated states towards the objectives of the Zero Emission Waterborne Transport partnership so as to increase synergies and impact (ZEWTP Partnership)	HORIZON CSA	singlestage	18.04.2024
HORIZON-CL52024-D5-01-18	Assessment of air pollutant emissions from low-carbon fuels in the heavy-duty, aviation, and maritime sectors	HORIZON-RIA	singlestage	18.04.2024

Energy

Destination 2: Cross-sectoral solutions for the climate transition

HORIZON-CL5-2024-D2-01 - Cross-sectoral solutions for the climate transition

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
A competitive and sustainable European battery value chain				
HORIZON-CL5-2024-D2-01-01	Advanced sustainable and safe preprocessing technologies for End-of-Life (EoL) battery recycling (Batt4EU Partnership)	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL5-2024-D2-01-02	Non-Li Sustainable Batteries with European Supply Chains for Stationary Storage (Batt4EU Partnership)	HORIZON-IA	Single stage	18.04.2024
HORIZON-CL5-2024-D2-01-03	Development of technical and business solutions to optimise the circularity, resilience, and sustainability of the European battery value chain (Batt4EU Partnership)	HORIZON-RIA	Single stage	18.04.2024
HORIZON-CL5-2024-D2-01-05	Furthering the development of a materials acceleration platform for sustainable batteries (combining AI, big data, autonomous synthesis robotics, high throughput testing) (Batt4EU Partnership)	HORIZON-RIA	Single stage	18.04.2024

HORIZON-CL5-2024-D2-02 - Cross-sectoral solutions for the climate transition

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
A competitive and sustainable European battery value chain				
HORIZON-CL5-2024-D2-02-01	Sustainable high-throughput production processes for stable lithium metal anodes for next generation batteries (Batt4EU Partnership)	HORIZON-IA	Single stage	05.09.2024

HORIZON-CL5-2024-D2-02-02	Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership)	HORIZON-RIA	Single stage	05.09.2024
HORIZON-CL5-2024-D2-02-03	Size & weight reduction of cell and packaging of batteries system, integrating lightweight and functional materials, innovative thermal management and safe and sustainable by design approach (Batt4EU Partnership)	HORIZON-IA	Single stage	05.09.2024

Destination 3: Sustainable, secure and competitive energy supply

HORIZON-CL5-2024-D3-01 - Sustainable, secure and competitive energy supply

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
Global leadership in renewable energy				
HORIZON-CL52024-D3-01-01	Alternative equipment and processes for advanced manufacturing of PV technologies	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-02	Low-power PV	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-03	Demonstration of improved intermediate renewable energy carrier technologies for transport fuels	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-04	Improvement of light harvesting and carbon fixation with synthetic biology and/or bioinspired//biomimetic pathways for renewable direct solar fuels production	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-05	Development of carbon fixation technologies for biogenic flue gases	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-06	Innovative applications/integration of geothermal heating and cooling in industry	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-07	Development of hydropower equipment for improving technoeconomic efficiency and equipment resilience in refurbishment situations	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-08	Demonstration of sustainable wave energy farms	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-09	Africa-EU CO-FUND action	HORIZON COFUND	Single stage	16.01.2024
HORIZON-CL5-2024-D3-01-10	Next generation of renewable energy technologies	HORIZON-RIA	Single stage	16.01.2024

Energy systems, grids & storage

HORIZON-CL52024-D3-01-11	AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL52024-D3-01-12	Energy Management Systems for flexibility services	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL52024-D3-01-13	DC and AC/DC hybrid transmission and distribution systems	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL52024-D3-01-14	Condition & Health Monitoring in Power Electronics (PE) - Wide Band Gap PE for the energy sector	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL52024-D3-01-15	HVAC, HVDC and High-Power cable systems	HORIZON-RIA	Single stage	16.01.2024
HORIZON-CL52024-D3-01-16	Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems	HORIZON-IA	Single stage	16.01.2024
HORIZON-CL52024-D3-01-17	Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems	HORIZON-IA	Single stage	16.01.2024

HORIZON-CL5-2024-D3-02 - Sustainable, secure and competitive energy supply

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL5-2024-D3-02-01	Digital tools for CSP and solar thermal plants	HORIZON-IA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-02	Development of next generation synthetic renewable fuel technologies	HORIZON-RIA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-03	Development of smart concepts of integrated energy driven biorefineries for co-production of advanced biofuels, bio-chemicals and biomaterials	HORIZON-RIA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-04	Critical technologies for the future ocean energy farms	HORIZON-RIA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-05	PV-integrated electric mobility applications	HORIZON-IA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-06	Innovative, Community-Integrated PV systems	HORIZON-IA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-07	Resource Efficiency of PV in Production, Use and Disposal	HORIZON - CSA	Single stage	21.01.2025

HORIZON-CL5-2024-D3-02-08	Minimisation of environmental, and optimisation of socio-economic impacts in the deployment, operation and decommissioning of offshore wind farms	HORIZON -RIA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-09	Demonstrations of innovative floating wind concepts	HORIZON -IA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-10	Market Uptake Measures of renewable energy systems	HORIZON -CSA	Single stage	21.01.2025
Carbon Capture, Utilization and Storage (CCUS)				
HORIZON-CL5-2024-D3-02-11	CCU for the production of fuels	HORIZON -IA	Single stage	21.01.2025
HORIZON-CL5-2024-D3-02-12	DACCS and BECCS for CO2 removal/negative emissions	HORIZON -IA	Single stage	21.01.2025

Destination 4: Efficient, sustainable and inclusive energy use

HORIZON-CL5-2024-D4-01 - Efficient, sustainable and inclusive energy use

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
Highly energy-efficient and climate neutral European building stock				
HORIZON-CL5-2024-D4-01-01	Low-disruptive renovation processes using integration of prefabricated solutions for energyefficient buildings	HORIZON -IA	Single stage	18.04.2024
HORIZON-CL5-2024-D4-01-02	Smart grid-ready buildings	HORIZON -IA	Single stage	18.04.2024
Industry				
HORIZON-CL5-2024-D4-01-03	Alternative heating systems for efficient, flexible and electrified heat generation in industry	HORIZON -IA	Single stage	18.04.2024

HORIZON-CL5-2024-D4-02 - Efficient, sustainable and inclusive energy use

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
Highly energy-efficient and climate neutral European building stock				
HORIZON-CL5-2024-D4-02-01	Industrialisation of sustainable and circular deep renovation workflows (Built4People Partnership)	HORIZON -IA	Single stage	21.01.2025
HORIZON-CL5-2024-D4-02-02	Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment (Built4People Partnership)	HORIZON -RIA	Single stage	21.01.2025
HORIZON-CL5-2024-D4-02-03	BIM-based processes and digital twins for facilitating and optimising circular energy renovation (Built4People Partnership)	HORIZON -IA	Single stage	21.01.2025
HORIZON-CL5-2024-D4-02-04	Design for adaptability, re-use and deconstruction of buildings, in line with the principles of circular economy (Built4People Partnership)	HORIZON -RIA	Single stage	21.01.2025

HORIZON-CL5-2024-D4-02-05	Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People Partnership)	HORIZON-IA	Single stage	21.01.2025
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Cluster 4 - Digital, Industry and Space

DIGITAL

HORIZON-CL4-2024-DATA-01 - World leading data and computing technologies

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-DATA-01-01	AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)	HORIZON - IA	Single stage	19.03.2024
HORIZON-CL4-2024-DATA-01-03	Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)	HORIZON - IA	Single stage	19.03.2024
HORIZON-CL4-2024-DATA-01-05	Platform Building, standardisation and Up-scaling of the 'Cloud-Edge-IoT' Solutions (Horizontal Activities - CSA)	HORIZON - CSA	Single stage	19.03.2024

HORIZON-CL4-2024-DIGITAL-EMERGING-01 - Digital and emerging technologies for competitiveness and fit for the Green Deal

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-DIGITAL-EMERGING-01-03	Novel paradigms and approaches, towards AI-powered robots– step change in functionality (AI, data and robotics partnership) (RIA)	HORIZON- RIA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-04	Industrial leadership in AI, Data and Robotics boosting competitiveness and the green transition (AI Data and Robotics Partnership) (IA)[[https://www.europarl.europa.eu/RegData/etudes/STUD/2021/662906/I_POL_STU(2021)662906_EN.pdf]]	HORIZON- IA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-22	Fundamentals of Software Engineering (RIA)	HORIZON- RIA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-54	Smart photonics for joint communication & sensing and access everywhere (Photonics Partnership) (RIA)	HORIZON- RIA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-55	Photonics Innovation Factory for Europe (Photonics Partnership) (IA)	HORIZON- IA	Single stage	19.03.2024

HORIZON-CL4-2024-DIGITAL-EMERGING-01-CNECT - Digital and emerging technologies for competitiveness and fit for the Green Deal

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-DIGITAL-EMERGING-01-21	Open Source for Cloud/Edge to support European Digital Autonomy (RIA)	HORIZON- RIA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-23	Public recognition scheme for Open Source (CSA)	HORIZON- CSA	Single stage	19.03.2024

HORIZON-CL4-2024-DIGITAL-EMERGING-01-31	Pilot line(s) for 2D materials-based devices (RIA)	HORIZON-RIA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-34	Synergy with national and regional initiatives in Europe (CSA)	HORIZON-CSA	Single stage	19.03.2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-42	Stimulating transnational research and development of next generation quantum technologies, including basic theories and components (Cascading grant with FSTP)	HORIZON-RIA	Single stage	19.03.2024

HORIZON-CL4-2024-HUMAN-01 - A human-centred and ethical development of digital and industrial technologies

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL42024-HUMAN-01-06	Explainable and Robust AI (AI Data and Robotics Partnership) (RIA)	HORIZON-RIA	Single stage	19.03.2024
HORIZON-CL42024-HUMAN-01-07	Collaborative intelligence – combining the best of machine and human (AI Data and Robotics Partnership) (RIA)	HORIZON-RIA	Single stage	19.03.2024
HORIZON-CL42024-HUMAN-01-34	Support for transnational activities of National Contact Points in the thematic areas of Digital, Industry and Space (CSA)	HORIZON-CSA	Single stage	19.03.2024
HORIZON-CL42024-HUMAN-01-61	Facilitate the engagement in global ICT standardisation development (CSA)	HORIZON-CSA	Single stage	19.03.2024

HORIZON-CL4-2024-HUMAN-02 - Support for transnational activities of National Contact Points

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL42024-HUMAN-02-34	Support for transnational activities of National Contact Points in the thematic areas of Digital, Industry and Space	HORIZON-CSA	Single stage	10.09.2024

INDUSTRY

HORIZON-CL4-2024-RESILIENCE-01 - RESILIENT VALUE CHAINS 2024

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-RESILIENCE-01-01	Exploration of critical raw materials in deep land deposits (RIA)	HORIZON-RIA	Single stage	07.02.2024
HORIZON-CL4-2024-RESILIENCE-0104	Technologies for processing and refining of critical raw materials (IA)	HORIZON-IA	Single stage	07.02.2024

HORIZON-CL4-2024-RESILIENCE-0108	Rare Earth and magnets innovation hubs (IA)	HORIZON-IA	Single stage	07.02.2024
HORIZON-CL4-2024-RESILIENCE-01-10	Addressing due diligence requirements in raw materials supply chains. (CSA)	HORIZON-CSA	Single stage	07.02.2024
HORIZON-CL4-2024-RESILIENCE-01-11	Technologies for extraction and processing of critical raw materials (IA)	HORIZON-IA	Single stage	07.02.2024
HORIZON-CL4-2024-RESILIENCE-0124	Development of safe and sustainable by design alternatives (IA)	HORIZON-IA	Single stage	07.02.2024
HORIZON-CL4-2024-RESILIENCE-01-41	'Innovate to transform' support for SME's sustainability transition (CSA)	HORIZON-CSA	Single stage	07.02.2024

HORIZON-CL4-2024-RESILIENCE-01-TWO-STAGE - RESILIENT VALUE CHAINS 2024 TWO STAGE

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-RESILIENCE-0135	Biodegradable polymers for sustainable packaging materials (IA)	HORIZON-IA	Two stage	07.02.2024 24.09.2024
HORIZON-CL4-2024-RESILIENCE-0136	Advanced biomaterials for the Health Care (IA)	HORIZON-IA	Two stage	07.02.2024 24.09.2024

HORIZON-CL4-2024-TWIN-TRANSITION-01 - TWIN GREEN AND DIGITAL TRANSITION 2024

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-TWINTRANSITION01-03	Manufacturing as a Service: Technologies for customised, flexible, and decentralised production on demand (Made in Europe Partnership) (RIA)	HORIZON-RIA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION01-05	Technologies/solutions to support circularity for manufacturing (Made in Europe Partnership) (RIA)	HORIZON-RIA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION01-32	Optimisation of thermal energy flows in the process industry (Processes4Planet partnership) (IA)	HORIZON-IA	Single stage	07.02.2024

HORIZON-CL4-2024-TWINTRANSITION01-34	Renewable hydrogen used as feedstock in innovative production routes (Processes4Planet Partnership) (RIA)	HORIZON-RIA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION01-35	Turning CO2 emissions from the process industry to feedstock (Processes4Planet partnership) (IA)	HORIZON-IA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION01-38	Hubs for circularity for industrialised urban peripheral areas (Processes4Planet partnership) (IA)	HORIZON-IA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION-01-41	Breakthroughs to improve process industry resource efficiency (Processes4Planet partnership) (RIA)	HORIZON-RIA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION01-44	Digital transformation and ensuring a better use of industrial data, which can optimise steel supply chains (Clean Steel Partnership) (IA)	HORIZON-IA	Single stage	07.02.2024
HORIZON-CL4-2024-TWINTRANSITION01-46	CO2-neutral steel production with hydrogen, secondary carbon carriers and electricity OR innovative steel applications for low CO2 emissions (Clean Steel Partnership) (RIA)	HORIZON-RIA	Single stage	07.02.2024

HORIZON-CL4-2024-TWIN-TRANSITION-01-TWO-STAGE - TWIN GREEN AND DIGITAL TRANSITION 2024 TWO STAGE

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
HORIZON-CL4-2024-TWINTRANSITION-01-01	Bio-intelligent manufacturing industries (Made in Europe Partnership) (RIA)	HORIZON-RIA	Two stage	07.02.2024 24.09.2024
HORIZON-CL4-2024-TWINTRANSITION-01-12	Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA)	HORIZON-RIA	Two stage	07.02.2024 24.09.2024