



HORIZON EUROPE CLUSTER 6 CBE JU

Jana Čejková



HORIZON EUROPE STRUCTURE

 PILLAR I EXCELLENT SCIENCE	 PILLAR II GLOBAL CHALLENGES & INDUSTRIAL COMPETITIVENESS	 PILLAR III INNOVATIVE EUROPE
European Research Council	Clusters <ul style="list-style-type: none"> ▪ Health ▪ Culture, Creativity & Inclusive Society ▪ Civil Security for Society ▪ Digital, Industry & Space ▪ Climate, Energy & Mobility ▪ Food, Bioeconomy, Natural Resources, Agriculture & Environment <div style="background-color: #f0f0f0; padding: 5px; text-align: center;">Joint Research Centre</div>	European Innovation Council
Marie Sklodowska-Curie		European Innovation Ecosystems
Research Infrastructures		European Institute of Innovation & Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence | Reforming & Enhancing the European R&I system

CLUSTER 6 WORK PROGRAMME FOR 2023-2024

- 7 destinations
- Separate calls for each destination
- Deadlines in February 2024
- Both one and two stage submission procedure
- Type of Instruments:
 - Research and Innovation Actions
 - Innovation Actions
 - Coordination and Support Actions
 - Cofund
- In some topics specific requirements for **multi-actor approach**, e.g. p. 21-23 of WP



CLUSTER 6 WORK PROGRAMME FOR 2024

Number of topics per destination

Destination	Number of topics
1. Biodiversity and Ecosystem Services	12
2. Fair, healthy and environmentally-friendly food systems from primary production to consumption	18
3. Circular economy and bioeconomy sectors	16
4. Clean environment and zero pollution	5
5. Land, oceans and water for climate action	7
6. Resilient, inclusive, healthy and green rural, coastal and urban communities	5
7. Innovative governance, environmental observations and digital solutions in support of the Green Deal	12
Total	75

- *Other actions excluded*

DESTINATION 1

- **BIODIVERSITY AND ECOSYSTEM SERVICES**



BIODIVERSITY AND ECOSYSTEM SERVICES



- Understand and address direct drivers of biodiversity decline
- Plan, manage and expand protected areas
- Mainstream biodiversity, ecosystem services and natural capital in the society and economy
- Develop and improve practices in agriculture, forestry, fisheries and aquaculture
- Interconnect biodiversity research and support policies and processes

2024:

- 1 and 2 stage evaluation calls
- deadline: **22 February 2024** (2 stage: **17 September 2024**)
- **12 topics** (8 RIA, 4 IA), examples:
 - alien species; digital for nature; pollinators; macro-financial risks; reintroduction of landscape features; protection of rich forest ecosystems; organic aquaculture; sustainable management of water resources; minor crops in farming systems; ...

DESTINATION 2

- **FAIR, HEALTHY AND ENVIRONMENTALLY-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION**



FAIR, HEALTHY AND ENVIRONMENTALLY-FRIENDLY FOOD SYSTEMS FROM PRIMARY PRODUCTION TO CONSUMPTION



- Sustainable, climate neutral and biodiversity friendly farming systems
- Sustainable fisheries and aquaculture
- Sustainable, healthy and inclusive food systems

2024:

- 1 and 2 stage evaluation calls
- deadline: **22 February 2024** (2 stage: **17 September 2024**)
- **18 topics** (10 RIA, 7 IA, 1 CSA), examples:
 - outdoor livestock systems and wildlife management; healthy and sustainable food products; food fraud; food safety; citizens' science and food systems; alternative source of proteins; prevention and reduction of food waste; microbiome in organoleptic dietary shift; EU-Africa agroforestry management; EU-Africa fair trade food systems; organic farming; plant health; plant pests; animal nutritional requirements; minimising climate impact of fisheries / aquaculture; ...

DESTINATION 3

- **CIRCULAR ECONOMY AND BIOECONOMY SECTORS**



CIRCULAR ECONOMY AND BIOECONOMY SECTORS



- climate-neutrality, zero pollution, fair and just circular and bioeconomy transitions
- safe, integrated circular solutions at territorial and sectoral levels
- key bioeconomy sectors such sustainable bio-based systems, forestry, small-scale rural bio-based solutions, environmental services and aquatic value chains

2024:

- 1 and 2 stage evaluation calls
- deadline: **22 February 2024** (2 stage: **17 September 2024**)
- **16 topics** (5 RIA, 8 IA, 3 CSA), examples:
 - circular solutions for textile value chains / furniture / sustainable tourism; **biodegradation capability of bio-based materials**; **digital systems for bio-based products**; **circular bioeconomy start-up villages**; **aquatic extremophiles for sourcing novel enzymes, drugs, metabolites and chemicals**; circular solutions for plastics and electronics value chains; water and wastewater management; **small-scale biobased demonstration pilots**; ...

DESTINATION 4

- **CLEAN ENVIRONMENT AND ZERO POLLUTION**



CLEAN ENVIRONMENT AND ZERO POLLUTION

- Halting pollution of air, soil and water
- Improving circular bio-based systems
- **2024:**
 - 1 and 2 stage evaluation calls
 - deadline: **22 February 2024** (2 stage: **17 September 2024**)
 - **5 topics** (2 RIA, 2 IA, 2 CSA), examples:
 - limiting nitrogen and phosphorus emissions at regional level; **recovering or recycling fertilising products from secondary raw materials**; envi impacts of food systems; monitoring of water quality in cities; zero pollution, **zero-waste biorefineries**



DESTINATION 5

- LAND, OCEANS AND WATER FOR CLIMATE ACTION



LAND, OCEANS AND WATER FOR CLIMATE ACTION

- adaptation and resilience of natural and managed ecosystems
- climate change mitigation in the primary sectors
- sustainable management of scarce resources

2024:

- 1 stage evaluation call
- deadline: **22 February 2024**
- **7 topic** (5 RIA, 2 IA), examples:
 - irrigation practices and technologies in agriculture; paludiculture; land use change and local / regional climate; **climate-smart use of wood in construction sector**; EU-China on climate and biodiversity approaches using environmental and Earth observation...



DESTINATION 6

- **RESILIENT, INCLUSIVE, HEALTHY AND GREEN RURAL, COASTAL AND URBAN COMMUNITIES**



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



- sustainable development of rural, coastal and urban areas
- their preparation to achieve climate-neutrality
- innovative and smarter circular solutions
- **2024:**
 - 1 and 2 stage evaluation calls
 - deadline: **22 February 2024** (2 stage: **17 September 2024**)
 - **5 topics** (3 RIA, 2 IA), examples:
 - New European Bauhaus in urban food system transformation; rural life and jobs; Arctic coastal, local, and indigenous communities in environmental decision-making; business and production models for farmers and rural communities; ...

DESTINATION 7

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



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



- innovative governance models enabling sustainability and resilience
- further deployment and exploitation of environmental observation data, products and “green” solutions
- strengthened Global Earth Observation System of Systems

2024:

- 1 stage evaluation call
- deadline: **28 February 2024**
- **12 topics** (2 RIA, 8 CSA, 1 Cofund, 1 PCP), examples:
 - **food systems transformation at regional level**; applications to support EGD building on meteorological satellite data; potential of robotics and augmented reality in agriculture; thematic networks on organic farming and on biodiversity; EU advisory network on forestry and on sustainable livestock systems; ...

NATIONAL PORTAL OF TC PRAQUE

<https://www.horizontevropa.cz>, Cluster 6

HORIZONT EVROPA Aktuality Kalendář Úspěšné příběhy Výzvy Struktura Horizontu Evropa a ERA FAO CZ EN

Globální výzvy a konkurenceschopnost Klastř 6 – potraviny, bioekonomika, přírodní zdroje, ze...

Informace Výzvy Národní kontakt Kalendář **Dokumenty** Odkazy **FAQ** Související iniciativy Poptávky institucí Success Stories

KLASTR 6 – POTRAVINY, BIOEKONOMIKA, PŘÍRODNÍ ZDROJE, ZEMĚDĚLSTVÍ A ŽIVOTNÍ PROSTŘEDÍ

Lidské aktivity v kombinaci se změnou klimatu vyvíjejí významný tlak na přírodní zdroje a systémy, na nichž je přímo závislá výživa rostoucí populace planety. Koncepce oběhového hospodářství, bioekonomiky a ekonomiky založené na využití potenciálu moří a oceánů (blue economics) by měla poskytnout příležitost k vyvážení ekologických, sociálních a ekonomických cílů a nasměrování k udržitelnosti.

Výzkum a inovace v tomto klastru mají přispět k urychlení dosažení cílů klíčových evropských i globálních strategií a politik. Jedná se především o cíle udržitelného rozvoje definované Organizací spojených národů, mezi kterými jsou zajištění adekvátní výživy, čisté vody, zdraví a kvality života světové populace nebo důraz na udržitelnou produkci a spotřebu. Aktivity v klastru 6 mají také přispět k dosažení klimatické neutrality do roku 2050, což je klíčovým cílem Zelené dohody pro Evropu. Další rozvoj bioekonomiky a oběhového hospodářství má plně využít potenciál biologických zdrojů pro obnovitelnou produkci, snížit závislost EU na neobnovitelných zdrojích, napomoci snížení emisí a produkce odpadů z průmyslových procesů. Ochrana a obnova ekosystémů je jedním z hlavních cílů Evropské strategie pro biodiverzitu. Zamezit ztrátě biodiverzity znamená též zamezit budoucím hrozbám pro lidské zdraví.

Aktuality

Konference k budoucnosti potravin 2023 05.09.2023
V Bruselu se dne 26. října 2023 koná konference „Future of Food 2023“, kterou organizuje Znalostní a inovační společenství EIT pro potraviny (EIT Food) a která představuje unikátní příležitost podílet se na transformaci evropského potravinového systému. Důraz bude kladen na větší udržitelnost, odol...

Konference SOILCON 29.08.2023
Technologická agentura České republiky pořádá ve spolupráci s Technologickým centrem Praha a Research Council of Norway konferenci „SOILCON - Ground for future cooperation in Europe“. Akce zacilená na synergie mezi Fondy EHP a Norska a evropskou misí k půdě (A soil deal for Europe) se uskuteční...

Výzva pro nezávislé experty na pre-screening projektových návrhů HE 17.07.2023
Projekt NCP_WIDERA.NET, jehož partnerem je i Technologické centrum Praha (TC Praha), vyhlásil permanentní výzvu pro experty, kteří zajistí profesionální předběžnou kontrolu návrhů projektů (pre-screening) žadatelům z Widening země - více informací zde. Pokud jste expert s vysokou úrovní...

Niže naleznete otázky položené potenciálními předkladateli k jednotlivým tématům aktuálně vyhlášených výzev a odpovědi poskytnuté Evropskou komisí.

Často kladené otázky

- HORIZON-CL6-2022-FARM2FORK-01-01: Risk assessment of new low risk pesticides
- HORIZON-CL6-2022-ZEROPOLLUTION-01-01: Preventing groundwater contamination and protecting its quality against harmful impacts of global and climate change
Question:
As the texts of the calls refer mostly to chemical compounds such as pesticides and herbicides, are 'faecal bacteria' also eligible as drinking water pollutants?
EC reply:
Faecal bacteria could be addressed under both topics. It is up to the applicants to decide. With regard to topic HORIZON-CL6-2022-ZEROPOLLUTION-01-01, they could be addressed mostly in relation with artificial recharge of reclaimed water. With regard to topic HORIZON-CL6-2022-ZEROPOLLUTION-01-04, it should be stressed that both household activities and pathogens are mentioned. By definition, the term 'pathogens' includes bacteria.
- HORIZON-CL6-2022-CIRCIBIO-01-05: EU-China international cooperation on unlocking the potential of agricultural residues and wastes for circular and sustainable bio-based solutions
- HORIZON-CL6-2022-ZEROPOLLUTION-01-01: Preventing groundwater contamination and protecting its quality against harmful impacts of global and climate change
- Seďm tipů jak se vyhnout technickým problémům při odeslání projektové žádosti
- CL6-2022-FARM2FORK-01-01: Risk assessment of new low risk pesticides



TABLE OF TOPICS



TECHNOLOGICKÉ
CENTRUM PRAHA

HORIZONT EVROPA
Témata „CLUSTER 6“ (Food, Bioeconomy Natural Resources, Agriculture and Environment)
pro období 2023-2024

Destination - Biodiversity and ecosystem services	Nástroj	Příspěvek EU na projekt (mil. €)	Rozpočet tématu (mil. €)	Odhad podpoř. projektů
<i>Výzva HORIZON-CL6-2023-BIODIV-01 pro rok 2023, otevření 22.12.2022, uzávěrka 28.3.2023</i>				
HORIZON-CL6-2023-BIODIV-01-1: Better understanding of routes of exposure and toxicological and ecological impacts of chemical pollution on terrestrial biodiversity	RIA	5,5	22	4
HORIZON-CL6-2023-BIODIV-01-2: Impact of light and noise pollution on biodiversity	RIA	3,5	7	2
HORIZON-CL6-2023-BIODIV-01-3: Interdisciplinary assessment of changes affecting terrestrial and freshwater ecosystems, building on observation programmes	RIA	6	6	1
HORIZON-CL6-2023-BIODIV-01-4: Nature protection: Better methods and knowledge to improve the conservation status of EU-protected species and habitats	RIA	4	8	2
HORIZON-CL6-2023-BIODIV-01-5: Understanding and reducing bycatch of protected species	RIA	9	18	1
HORIZON-CL6-2023-BIODIV-01-6: Restoration of deep-sea habitats	IA	10	10	1
HORIZON-CL6-2023-BIODIV-01-7: Demonstration of marine and coastal infrastructures as hybrid blue-grey Nature-based Solutions	IA	5	10	2
HORIZON-CL6-2023-BIODIV-01-8: Addressing biodiversity decline and promoting Nature-based Solutions in higher education Network	CSA	3	3	1
HORIZON-CL6-2023-BIODIV-01-9: Biodiversity, economics and finance: unlocking financial flows towards reversing of biodiversity loss	RIA	5	5	1
HORIZON-CL6-2023-BIODIV-01-10: Build up of knowledge on Nature Positive Economy and supporting its scale-up	RIA	5	5	1
HORIZON-CL6-2023-BIODIV-01-11: Biodiversity loss and enhancing ecosystem services in urban and peri-urban areas	RIA	5	5	1
HORIZON-CL6-2023-BIODIV-01-12: Reinforcing science policy support with IPBES and IPCC for better interconnected biodiversity and climate policies	CSA	4	4	1
HORIZON-CL6-2023-BIODIV-01-13: Crop wild relatives for sustainable agriculture	RIA	6	12	2



FUNDING & TENDER OPPORTUNITIES PORTAL

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

The screenshot shows the F&T Portal interface. At the top left is the European Commission logo and the text 'F&T Portal Single Electronic Data Interchange Area (SEDIA)'. On the top right, there are 'Register' and 'Login' buttons, a language selector set to 'EN', and a notification icon with a red '1'. The main navigation bar includes 'HOME', 'SEARCH FUNDING & TENDERS' (highlighted in yellow), 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A 'Need help?' button is located in the top right corner of the main content area.

The search results are for the query 'biodiversity'. The search bar shows 'biodiversity' and a 'Clear all' button. The results are filtered by 'Horizon Europe (HORIZON)'. The search criteria on the left are: Match whole words only (checked), Type: Grants (5) and Tenders (checked), Submission status: Forthcoming (1) and Open for submission (4), and Programming period: 2021 - 2027 (5).

Five results are found, all 'Call for proposal' type under 'Horizon Europe (HORIZON)'. Each result includes a title, a 'Call for proposal' label, a submission status of 'Open for submission', and a 'Grant' button with a dropdown arrow.

Title	Reference	Submission Status	Grant
Biodiversity, economics and finance: Understanding macro-financial risks associated with biodiversity loss	HORIZON-CL6-2024-BIODIV-01-4	Open for submission	Grant
Transformative action of policy mixes, governance and digitalisation addressing biodiversity loss	HORIZON-CL6-2024-BIODIV-01-5	Open for submission	Grant
Conservation and protection of carbon-rich and biodiversity-rich forest ecosystems	HORIZON-CL6-2024-BIODIV-01-8	Open for submission	Grant
EU-China international cooperation on improving monitoring for better integrated climate and biodiversity approaches, using envi...	HORIZON-CL6-2024-CLIMATE-01-7	Open for submission	Grant



CBE JU



**Circular
Bio-based
Europe**
Joint Undertaking

- Institutionalised partnership, follower of BBI JU
- Launched in 2021, operates until 2031
- Similar to Horizon Europe rules, but some specific requirements
- [Presentations](#) from 2023 information day
- Annual work programmes:
 - 18 topics in 2023, deadline in September 2023
 - For 2024 work programme under development



NCPs CLUSTER 6

Nad'a Koníčková a Jana Čejková

+420 728 212 429, +420 723 147 878

konickova@tc.cz; cejkova@tc.cz

www.tc.cz