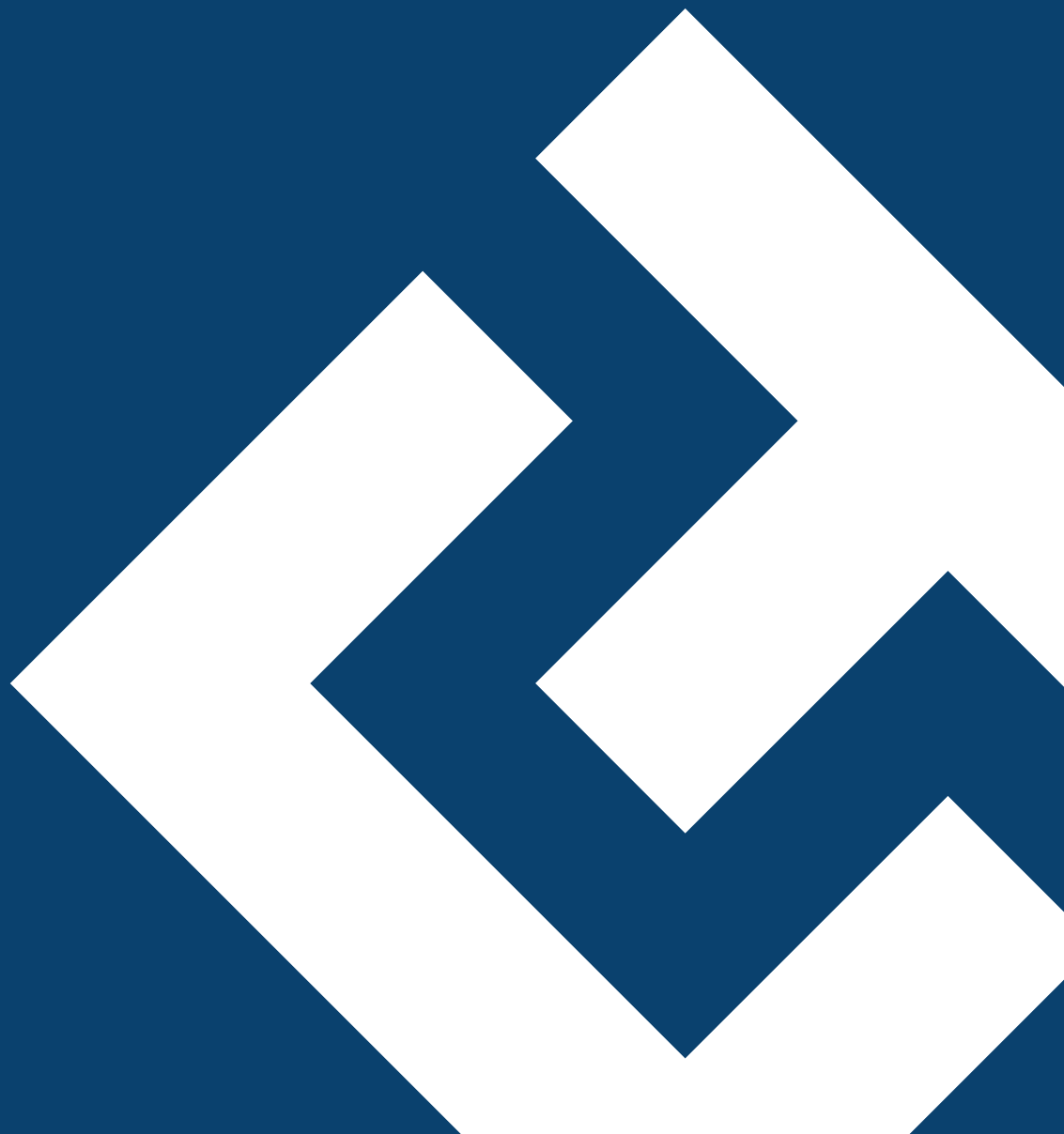




HORIZON EUROPE CLUSTER 6

Nad'a Koníčková, Jana Čejková
22 November 2022



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: #e0e0e0; padding: 5px; text-align: center;">Joint Research Centre</div>	European Innovation Council
Marie Skłodowska-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





DOCUMENTS AND INITIATIVES

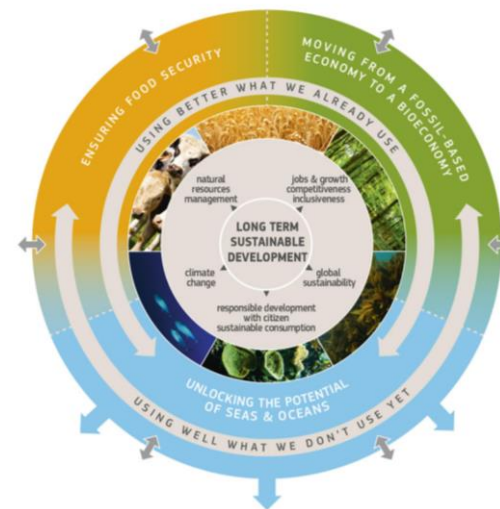
- [UN's Sustainable Development Goals \(SDGs\)](#)
- [European Green Deal](#)
- [Circular economy Action Plan](#)
- [Farm to Fork Strategy](#)
- [EU Biodiversity Strategy for 2030](#)
- [EU Bioeconomy Strategy](#)
- [EU Forest Strategy](#)
- ...



The European Green Deal is about **improving the well-being of people**. Making Europe climate-neutral and protecting our natural habitat will be good for people, planet and economy. No one will be left behind.

The EU will:

-  Become climate-neutral by 2050
-  Protect human life, animals and plants, by cutting pollution
-  Help companies become world leaders in clean products and technologies
-  Help ensure a just and inclusive transition



HORIZON EUROPE STRATEGIC PLAN 2021-2024

- Defines 4 **Key Strategic Orientations**

- Cluster 6 should contribute mainly to 2 of them: “Restoring Europe’s ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment“ and „Making Europe the first digitally enabled circular, climate-neutral and sustainable economy“

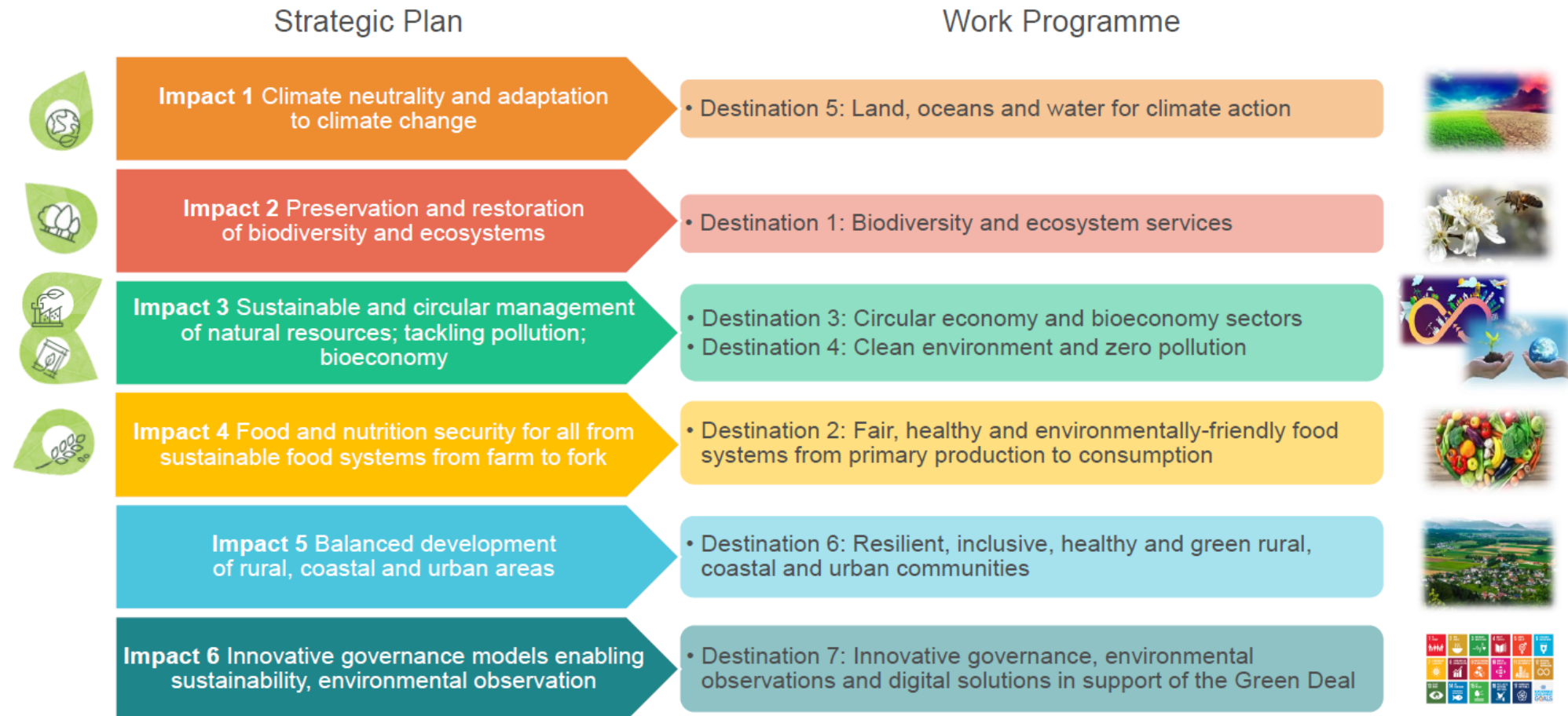
Cluster 6 will support **Impact Areas:**

- ✓ Enhancing ecosystems and biodiversity on land and in waters
- ✓ Clean and healthy air, water and soil
- ✓ Sustainable food systems from farm to fork on land and sea
- ✓ Circular and clean economy

Horizontal topics:



CLUSTER 6: FROM SIX EXPECTED IMPACTS TO SEVEN DESTINATIONS



Source: European Commission



CLUSTER 6 WORK PROGRAMME FOR 2023-2024

- Publication probably on 28 November 2022
- Opening of the calls probably in December 2022
- Separate calls for each destination
- Both one and two stage evaluation procedure
- Type of Instruments:
 - Research and Innovation Actions
 - Innovation Actions
 - Coordination and Support Actions
 - Cofund
- In some (82 out of 176) topics specific requirements for **multi-actor approach**
- In some (56, mainly CSAs) topics **lump sum funding**
- In some (52) **international cooperation** encouraged
- In some (25) topics **blind evaluation pilot** (1st stage of 2-stages calls)



CLUSTER 6 WORK PROGRAMME FOR 2023-2024

Number of topics per destination

Destination	Number of topics (2023 and 2024)
1. Biodiversity and Ecosystem Services	18 + 12
2. Fair, healthy and environmentally-friendly food systems from primary production to consumption	20 + 18
3. Circular economy and bioeconomy sectors	17 + 16
4. Clean environment and zero pollution	9 + 5
5. Land, oceans and water for climate action	8 + 7
6. Resilient, inclusive, healthy and green rural, coastal and urban communities	6 + 5
7. Innovative governance, environmental observations and digital solutions in support of the Green Deal	22 + 13
Total	176

- Draft numbers; *Other actions* excluded

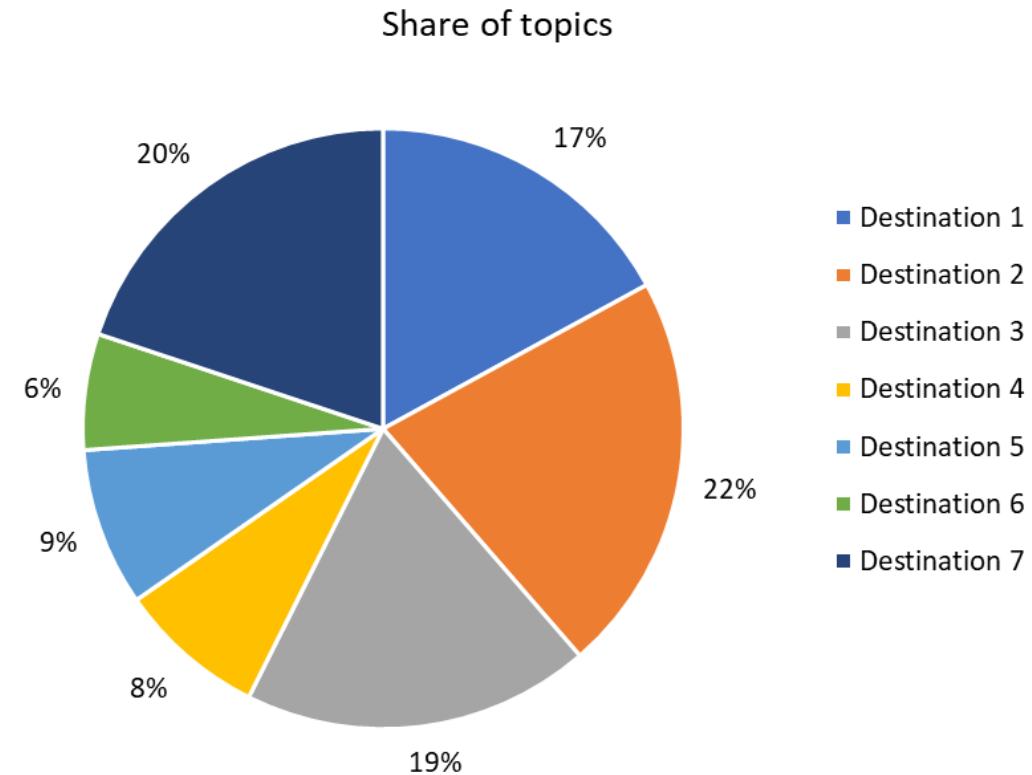


TABLE OF CALLS AND TOPICS

WWW.HORIZONTEVROPA.CZ



HORIZON EUROPE
Témata „CLUSTER 6“ (Food, Bioeconomy Natural Resources, Agriculture and Environment)
pro období 2021-2022

Destination - Biodiversity and ecosystem services	Nástroj	Příspěvek EU na projekt (mil. €)	Rozpočet tématu (mil. €)	Odhad podpoř. projektů
Výzva HORIZON-CL6-2021-BIODIV-01 pro rok 2021, otevření 22.6.2021, uzávěrka 6.10.2021				
HORIZON-CL6-2021-BIODIV-01-01: European participation in global biodiversity genomics endeavours aimed at identifying all biodiversity on Earth	RIA	10-20	20	2
HORIZON-CL6-2021-BIODIV-01-02: Data and technologies for the inventory, fast identification and monitoring of endangered wildlife and other species groups	RIA	3-5	10	2
HORIZON-CL6-2021-BIODIV-01-03: Understanding and valuing coastal and marine biodiversity and ecosystems services	RIA	16	16	1
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	RIA	10	10	1
HORIZON-CL6-2021-BIODIV-01-05: The economics of nature-based solutions: cost-benefit analysis, market development and funding	RIA	5	5	1
HORIZON-CL6-2021-BIODIV-01-06: Nature-based solutions, prevention and reduction of risks and the insurance sector	CSA	4	4	1
HORIZON-CL6-2021-BIODIV-01-07: Ecosystems and their services for an evidence-based policy and decision-making	RIA	13	13	1
HORIZON-CL6-2021-BIODIV-01-08: Supporting the development of a coherent and resilient Trans-European Nature	IA	7	10	1
HORIZON-CL6-2021-BIODIV-01-09: Assessing and consolidating recent scientific advances on freshwater ecosystem restoration.	CSA	0,5	0,5	1
HORIZON-CL6-2021-BIODIV-01-10: Demonstration of measures and management for coastal and marine ecosystems restoration and resilience in simplified socio-ecological systems	IA	10	10	1
HORIZON-CL6-2021-BIODIV-01-11: What else is out there? Exploring the connection between biodiversity, ecosystems services, pandemics and epidemic risk	IA	4-6	12	2
HORIZON-CL6-2021-BIODIV-01-12: Improved science based maritime spatial planning and identification of marine protected areas	RIA	3-4	7	2
HORIZON-CL6-2021-BIODIV-01-13: Breeding for resilience: focus on root-based traits	RIA	8	16	2

For cluster 6 [here](#); will be updated immediately after publication of the call



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

2023:

- 1 stage evaluation call
- budget: 184 mil. €; deadline: **28 March 2023**
- **18 topics** (12 RIA, 2 IA, 3 CSA, 1 Cofund), examples:
 - impacts of chemical / light and noise pollution on biodiversity; assessment of changes affecting terrestrial and freshwater ecosystems; conservation status of EU-protected species and habitats; reducing bycatch of protected species; biodiversity and nature-based solutions in higher education; biodiversity, economics and finance; biodiversity in urban areas; reinforcing science policy support with IPBES and IPCC; crop wild relatives for sust. agriculture; integrative forest management; legume crops; zoonotic diseases

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

2023:

- 1 stage evaluation call
- budget: 196,5 mil. €; deadline: **12 April 2023**
- **20 topics** (8 RIA, 4 IA, 5 CSA, 3 Cofund), examples:
 - African swine fever vaccine; alternatives to reduce the use of pesticides; artificial intelligence to fight illegal fish discards; eradication of micronutrient deficiencies; new detection methods of GMOs; cultured meat and seafood; prevention and reduction of food waste; resilient European food systems; microbiomes in food processing, packaging and shelf life; EU – African Union cooperation in food and agriculture

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

2023:

- 1 and 2 stage evaluation calls
- Budget: 98,5 + 80 mil. €; deadline: **28 March 2023** (2 stage: **26 September 2023**)
- **17 topics** (7 RIA, 5 IA, 5 CSA), examples:
 - circular model households; market uptake of circular water related projects; land-based bioprospecting and production of bioactive compounds and functional materials; bio-based solutions in humanitarian aid; low-toxicity/zero pollution construction bio-based materials; business models in bioeconomy; aquatic organisms for blue biotechnology; small-scale forest management for wood/non-wood products; tailor-made forest services; Circular Cities and Regions Initiative systemic solutions; bio-based textiles; non-plant biomass feedstock for industrial applications

DESTINATION 4

- **CLEAN ENVIRONMENT AND ZERO POLLUTION**



CLEAN ENVIRONMENT AND ZERO POLLUTION

- Halting pollution of air, soil and water
- Enhancing circular bio-based systems

- **2023:**
 - 1 and 2 stage evaluation calls
 - budget: 64,5 + 15 mil. €; deadline: **28 March 2023** (2 stage: **26 September 2023**)
- **9 topics** (8 RIA, 1 IA), examples:
 - solutions in agriculture for water availability and quality; emerging pollutants; pollution in the Arctic; improved sustainability of industrial bio-based processes; biosensors and diagnostic tools for environmental services; prevention/reduction of plastic packaging pollution from the food system; optimisation of manure use; bio-based solutions as alternatives for chemicals, materials, products



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

2023:

- 1 stage call
- budget: 90 mil. €; deadline: **12 April 2023**
- **8 topic** (4 RIA, 2 IA, 1 CSA, 1 Cofund), examples:
 - alternative water resources supply systems and technologies; demonstration network on climate-smart farming; pilot network of climate-positive organic farms; analysing fossil-energy dependence in agriculture; renewable energy at farm-level; Essential Ocean Variables in support of global assessments



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

- **2023:**
 - 1 stage call
 - budget: 38,5 mil. €; deadline: **12 April 2023**
- **6 topics** (4 RIA, 1 IA, 1CSA), examples:
 - social inclusion in rural areas; integrated territorial development in rural areas; benchmarking of rural and territorial policies; system of geographical indications; assessing urban farming impacts; sustainability food labelling

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

2023:

- 1 stage call
- budget: 130 mil. €; deadline: **23 March 2023**
- **22 topics** (11 RIA, 10 CSA, 1 Cofund), examples:
 - analytical capacity and tools to support EU agri-food policies; pan-European academic network for food system science; bio-based business models for local communities; assessment of land use and biomass demands; BIOEAST networks - development of national bioeconomy action programmes; EuroGEO initiative coordination; observation gaps in the land-sea interface; citizen engagement in envi protection

EUROPEAN PARTNERSHIPS IN CLUSTER 6

- Co-funded partnerships (EU + partners from public or private sectors)
 - Accelerating farming systems transition
 - Animal health: Fighting infectious diseases
 - Environmental Observations for a sustainable EU agriculture
 - **Rescuing biodiversity to safeguard life on Earth**
 - A climate neutral, sustainable and productive Blue Economy
 - Safe and Sustainable Food System for People, Planet & Climate
 - **Water4All: Water security for the planet**
- Institutionalised partnership
 - **Circular bio-based Europe**



https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe_en

MISSIONS RELEVANT FOR CLUSTER 6

- **Adaptation to Climate Change**

- to accompany by 2030 at least 150 European regions and communities towards climate resilience

- **A Soil Deal for Europe**

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

- **Restore our Ocean and Waters by 2030**

- their restoration till 2030



SAVE THE DATE

Information day

➤ Information days Cluster 6 (EC, 13-14 December 2022)

Brokerage event

✓ Aim: to gather all the relevant stakeholders intending to apply for funding in the Horizon Europe calls



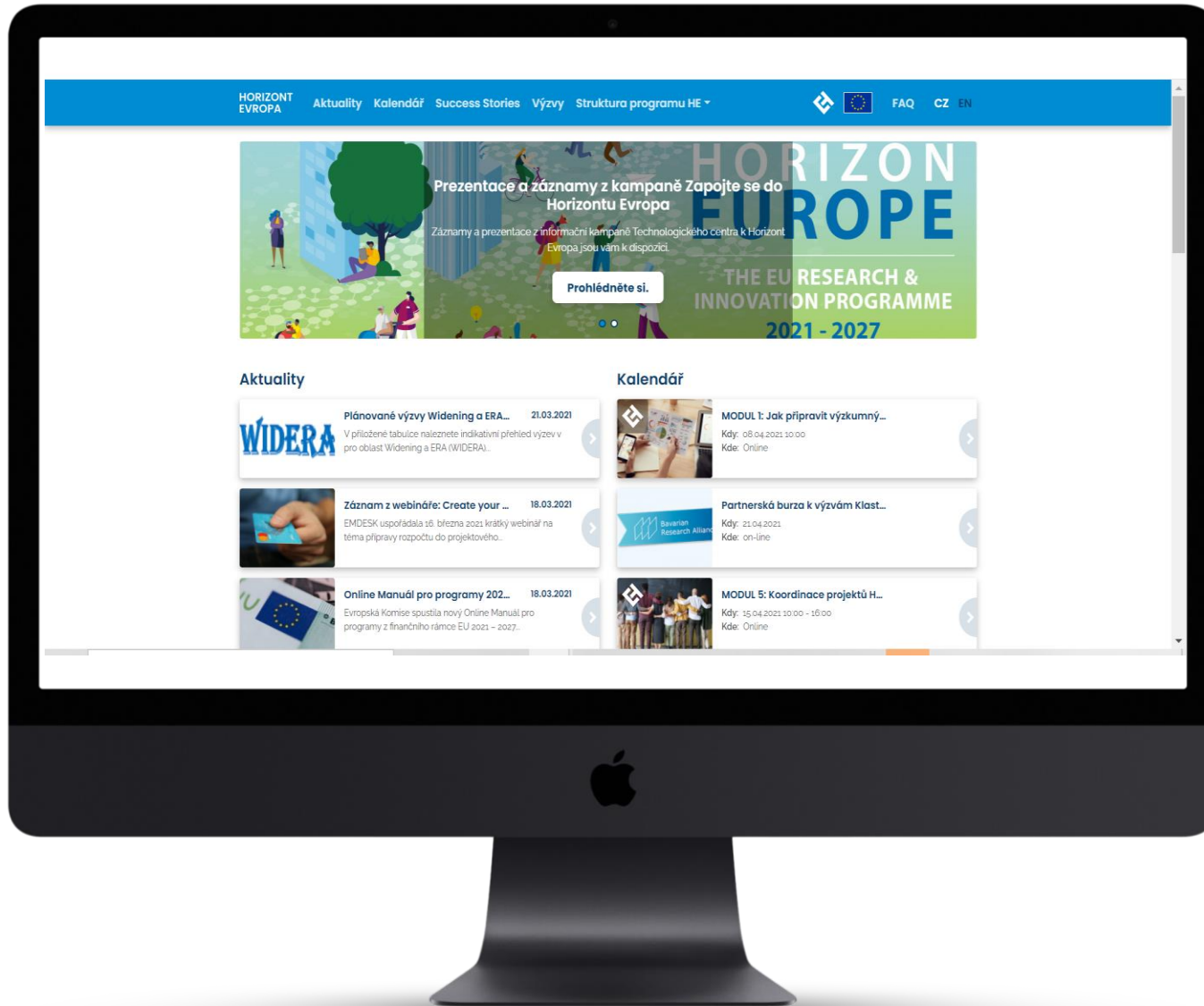
✓ 19 December 2022 – BE cluster 6

✓ Virtual

✓ Free of charge



INFORMATION



HORIZON EUROPE

www.horizontevropa.cz

Horizon Europe Programme and ERA



Excellent Science



Global Challenges and Competitiveness



Innovative Europe



Widening Participation and Strengthening the ERA



Euratom



Missions



European Partnerships



ERA, EU programmes, funds and initiatives



News

- ETI HEI Initiative - Third call for pr...** 02/11/2022
Building on the success of our previous two calls, ETI has announced a third call for proposals.
- Science Europe Recommendation...** 11/11/2022
On 9 November 2022, Science Europe published a paper that on a page introduces Recommendations.
- Participation of Czech enterprises...** 01/11/2022
The results from October 2022 were based on the responses of the entities and are.
- Save the date - Danube Lighthouse...** 03/11/2022
International conference TROUVONS LE DÉLÉGÉ LIGHTHOUSE EU MISSION ON RESTORING OUR
- Call for ERC Partnerships** 02/11/2022
The European Innovation Council (EIC) is announcing the second call for proposals for ERC.

Calendar

- NATIONAL INFORMATION DAY ON...** today
When: 20/10/2022 9:30 AM - 4:30 PM
Where: online / Faculty Hall, Crutse University Students Cloning Int. g. Prague 4
- National Information Day - Hor...**
When: 20/10/2022 9:30 AM - 3:30 PM
Where: Praha
- Open science in Horizon Europe...**
When: 20/10/2022 9:30 AM - 1:30 PM
Where: Online
- Avoiding errors in declaring pers...**
When: 20/10/2022 9:30 AM - 1:30 PM
Where: online
- Preparing the Danube Lighthouse**
When: 03/11/2022
Where: Prague

Success stories

- International Research Centre Fe...** 06/04/2022
The Czech Republic, through its work of systematic research in various problem-related fields.
- Czech start-up VR Medical selec...** 09/01/2022
Twenty-year-old start-up developing digital health care technologies - from medical training to.
- Informační platforma pro podpa...** 01/12/2021
- ETI Food Hub in Czechia** 24/07/2021
ETI Food Hub is a European-led food initiative, which aims to make the food system more.
- The grand final of the PowerUp c...** 09/01/2021
The ETI Knowledge and Innovation Community (ETI Knowledge) holds the PowerUp competition.

Open and forthcoming calls

- Efficient, sustainable an...** 14/04/2021
HORIZON-CG-2020-2-Open Call consists of 6 topics: ERA, 4 ERAC, 1 ERAC.
- Sustainable, secure and...** 14/04/2022
HORIZON-CG-2022-02-Open call consists of 3 ERAC topics and 1 ERAC topic.
- MSCA COFUND 2022** 08/01/2022
The next call for proposals for MSCA Staff Exchanges projects is expected to be opened in.
- MSCA Staff Exchanges 2...** 08/01/2022
The next call for proposals for MSCA Staff Exchanges projects is expected to be opened in.
- 'Young Observers' in Hor...**
As part of the European Year of Youth 2022, researchers in the EU are invited to become.

You might be interested in

- Our Services**
- Project A to Z**
- Legal and Financial Aspects**
- Evaluation of Framework Programmes**
- Small and medium enterprises**



STRUCTURE OF INDIVIDUAL THEMATIC PARTS



Underlying paradigm of Cluster 6 is the need for a transformative change of the EU economy and society in order to reduce environmental degradation, halt and reverse the decline of biodiversity and better manage natural resources while meeting the EU's climate objectives and ensuring food and water security.

Research and innovation activities will be supported in 7 destinations:

- Biodiversity and ecosystem services
- Fair, healthy and environment-friendly food systems from primary production to consumption
- Circular economy and bioeconomy sectors
- Clean environment and zero pollution
- Land, ocean and water for climate action
- Resilient, inclusive, healthy and green rural, coastal and urban communities
- Innovative governance, environmental observations and digital solutions in support of the Green Deal

- e.g. Work programme, table of topics

News

The news section contains two items. The first item, 'Save the date - Danube lighthouse conference', is dated 03/11/2022 and describes an international conference on restoring oceans and waters by 2030. The second item, 'Call for implementing EIT RawMaterials activities in Czechia', is dated 29/09/2022 and invites legal entities to apply for funding for EIT RawMaterials RIS activities.

NEWS AND NEWSLETTER (IN CZECH)

Více o programu Horizont Evropa >

Národní kontakty > e-learning >

Publikace > Vstup do intranetu >

Zůstaňte ve středu dění

Vaše e-mailová adresa:

Odebírat měsíční Zpravodaj

Informovat o aktuálních novinkách

Souhlasím s GDPR

Potvrdit

Užitečné odkazy


Funding & Tenders Portal > H2020 >

NKC GENDER a věda > EURAXESS ČR >


MŠMT > CZELO >




Naše časopisy

ECHO > ERGO >

 **TECHNOLOGICKÉ CENTRUM AV ČR**

[O portálu](#) [Mapa stránek](#) [Tisk stránky](#)

 **Evropská komise**

FUNDING & TENDER OPPORTUNITIES PORTAL

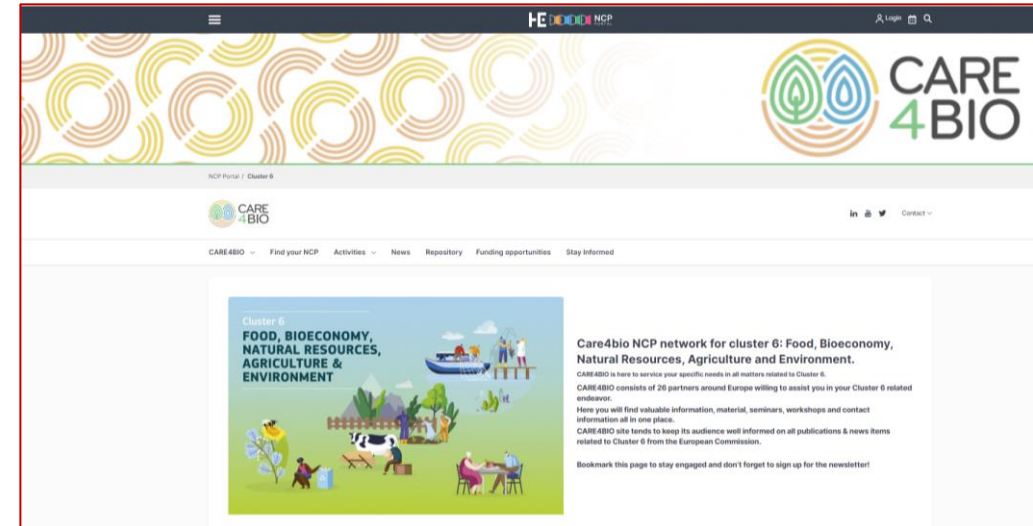
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

The screenshot shows the 'Funding & tender opportunities' portal. At the top, there is the European Commission logo and the text 'Single Electronic Data Interchange Area (SEDIA)'. The language is set to English. Navigation options include 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. The main content area is titled 'Horizon Europe (HORIZON)'. On the left, there is a search bar with a 'Type your Keywords...' field and a search icon. Below the search bar are filters for 'Match whole words only', 'GRANTS', and 'TENDERS'. There are also filters for 'Submission status' (Forthcoming(6), Open for submission(2), Closed) and 'Programming period' (Horizon Europe (HORIZON)). The main content area displays 'Funding and tenders (8)' and lists three opportunities:

- ERC STARTING GRANTS**
 - Open for submission
 - Programme: Horizon Europe (HORIZON)
 - ID: ERC-2021-STG
 - Types of action: HORIZON ERC Grants
 - Deadline model: single-stage
 - Opening date: 25 February 2021
 - Deadline date: 08 April 2021 17:00:00 Brussels time
- EU Prize for Women Innovators**
 - Open for submission
 - Programme: Horizon Europe (HORIZON)
 - ID: HORIZON-EIC-2021-WomenInnovatorsPrize
 - Types of action: HORIZON Recognition Prize
 - Deadline model: single-stage
 - Opening date: 18 March 2021
 - Deadline date: 30 June 2021 17:00:00 Brussels time
- The European Capital of Innovation Awards**

CARE4BIO

- Horizon Europe project (CSA) gathering cluster 6 NCPs
- 26 partners around Europe
- Aim: to empower NCPs in Cluster 6 to provide highly qualified support services
 - ✓ raising the general standard of services of NCPs, sharing good practices, performing outreach activities
 - barriers for applicants to participation will be lowered
 - overall quality of submitted proposals will be increased
- external newsletter, subscription on <https://care4bio.eu>





NCPs CLUSTER 6

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