



Environment in HORIZON EUROPE

10 February 2021
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TECHNOLOGICKÉ
CENTRUM AV ČR

AGENDA

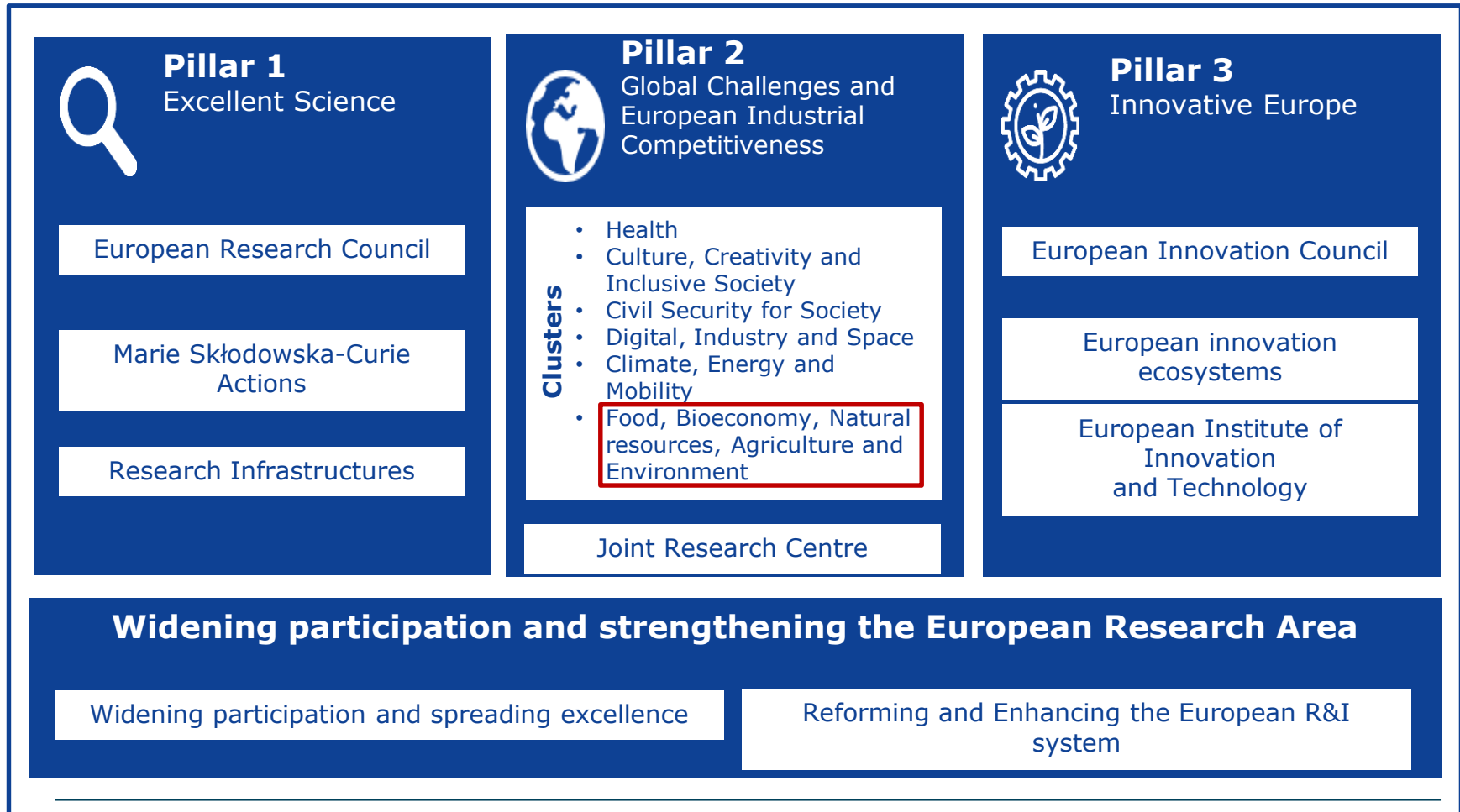
Cluster 6

Cluster 5

Missions & Partnerships

Technology Centre CAS Services

HORIZON EUROPE STRUCTURE



STRATEGIC DOCUMENTS AND INITIATIVES

- UN's Sustainable Development Goals (SDGs) - <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>
 - European Green Deal
 - EU Biodiversity Strategy for 2030
 - Circular economy Action Plan
 - Bioeconomy Strategy
 - EU Forest Strategy
 - ...
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CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

1 paradigm

- need for a transformative change of the EU economy and society
- aimed at reducing environmental degradation, halting and reversing the decline of biodiversity and to better manage natural resources
- serving the EU's climate objectives and ensuring food and water security

6 impacts

- climate neutrality
- biodiversity aiming to recovery, ecosystems preserved
- circular management and use of natural resources, bioeconomy
- food and nutrition security
- sustainable development of rural, coastal and urban areas
- innovative governance models

7 destinations

WORK PROGRAMME 2021-2022

- ✓ Third (final) draft version, still under development
 - ✓ Separate calls for each destination (1 for 2021, 1-2 for 2022)
 - ✓ Opening: 15 April 2021
 - ✓ **Deadlines for 2021: beginning of September 2021** (one stage calls only)
 - ✓ Deadlines for 2022: middle of February 2022 (1 stage call and 1st stage of 2 stage call); beginning of September 2022 (2nd stage of 2 stage call)
 - ✓ 531 pages!
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TABLE OF ALL TOPICS UNDER PREPARATION BY TC

HORIZON EUROPE

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

Destination 1 - Biodiversity and Ecosystem Services	Nástroj	Příspěvek EU na projekt (mil. €)	Rozpočet tématu (mil. €)	Odhad podpoř. projektů
<i>Výzva HORIZON-CL6-2021-BIODIV-01 pro rok 2021, uzávěrka 1.9.2021</i>				
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	5	5	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 Network	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	4-12	12	2

1 - Biodiversity and Ecosystem Services

(biodiversity identification; impact of stressors; economics of nature-based solutions; ecosystem restoration; biodiversity in primary production; crop breeding; decision-making,...)

2 - Fair, healthy and environmentally-friendly food systems from primary production to consumption

(organic farming; plant pests; animal diseases; food safety issues; microbes for healthy food; dietary behaviour ...)

3 - Circular economy and bioeconomy sectors

(circular cities and regions; over-packaging; biomass for industrial applications; algae potential,...)

4 - Clean environment and zero pollution

(N and P load reduction; pollution in urban waters, seas; envi performance in bio-based sectors; certification schemes for bio-based systems; bioremediation,...)

5 - Land, oceans and water for climate action

(water resources; polar processes; agroforestry, EU-China forests, ...)

6 - Resilient, inclusive, healthy and green rural, coastal and urban communities

(rural innovation; urban food system policies,...)

7 - Innovative governance, environmental observations and digital solutions in support of the Green Deal

(furthering food system science, bioeconomy innovation, education, environmental observations, land use, data economy, ...)

BUDGET AND INSTRUMENTS FOR 2021

Destination	Budget for 2021 (mil. €)	Number of topics for			
		IA	RIA	CSA	Cofund
1 – Biodiversity	218,5	4	13	4	1
2 – Food	175	4	12	2	
3 – Circular	93	6		2	
4 – Pollution	65	1	5	4	
5 – Climate	108		7	2	1
6 - Communities	52	1	3	2	
7 - Governance	183,5	2	9	14	

CLUSTER 5 – CLIMATE, ENERGY, MOBILITY

Aim

- transformation of economy, industry and society with a view to achieving climate neutrality in Europe by 2050

8 destinations

The most relevant:

Destination 1 – Climate sciences and responses

(greenhouse gas fluxes, CO₂ removal technologies; Earth system models; Integrated Assessment Models; climate services; restoration of natural wetlands, ...)

MISSIONS

= portfolio of actions across disciplines

- to achieve a **bold and inspirational and measurable goal** within a set timeframe
- **impact** on society and policy making
- relevance for the significant part of the European population

5 Mission areas (-> missions by 2030):

- Adaptation to climate change, including societal transformation (-> 100 demonstrations of resilience across a number of European communities)
- Cancer (-> more than 3 million more lives saved, living longer and better)
- Soil health and food (-> 75% of soils healthy and able to provide essential ecosystem services)
- Climate-neutral and smart cities (-> showcase 100 European cities in systemic transformation towards climate neutrality)
- Healthy oceans, seas, coastal and inland waters (-> restore our ocean and waters)

- specific WP for Missions; implementation has to be identified

PARTNERSHIPS IN CLUSTER 6

- ✓ New architecture, simplified, more transparent
 - Co-programmed ● Co-funded ● Institutionalised

 - Accelerating farming systems transition
 - Animal health: Fighting infectious diseases
 - Environmental Observations for a sustainable EU agriculture
 - **Rescuing biodiversity to safeguard life on Earth** (Cofund in 2021 WP)
 - A climate neutral, sustainable and productive Blue Economy
 - Safe and Sustainable Food System for People, Planet & Climate
 - Circular bio-based Europe
 - **Water4All: Water security for the planet** (Cofund in 2021 WP)
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NICER - National Information Centre for European Research

- Individual consultations and assistance to proposers
- Information events
- Workshops/trainings on request of research organizations
- Workshop „How to approach H2020?“ (8 different modules; twice a year)
- Czech Days for European Research (annual conference)
- Publications (Vademecum edition, Echo journal,...)
- Monitoring and analyses of Czech participation in H2020





Actuality | Kalendář akcí | Otevřené výzvy | Národní kontakty | NINET | Číslové programových výzevů | FAQ | Výkladový slovník

Horizont 2020

Vynikající věda | Vedoucí postavení evropského průmyslu

Společenské výzvy | EIT / JRC / SEWIP / EIC / SWAIS / EURATOM

Hodnocení rámcových programů | Finanční a administrativní aspekty E-LEARNING H2020

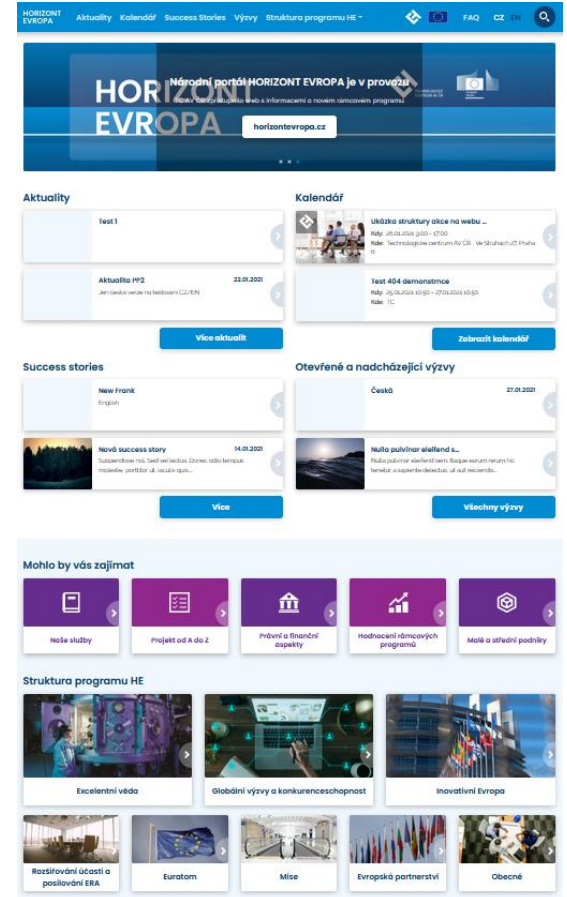
Právní aspekty | Příprava rámcového programu Horizon Europe (9. RP)

Aktuality | Kalendář akcí

5.4.2019 Hledáme pracovníka/pracovnici do České státní kanceláře VaV v Bruselu. Technologické centrum AV ČR, oddělení České kancelář pro výzkum, vývoj a inovace, hledá vhodného... [více](#)

14. 8. 2019 Technologické centrum, Ve Struhách 27, Praha 6 EC Communication Campaign: Audits in H2020 projects Cílem komunikační kampaně je umožnit účastníkům přímý kontakt s řečníky z Evropské komise... [více](#)

www.horizont2020.cz



Horizont Evropa | Aktuality | Kalendář | Success Stories | Výzvy | Struktura programu HE | FAQ | CZ | EN

Národní portál HORIZONT EVROPA je v provozu

Aktuality | Kalendář

test 1 | Ukázková struktura akce na webu... [Zobrazit kalendář](#)

Aktuality PP2 | test 404 demonstrace [Zobrazit kalendář](#)

Success stories | Otevřené a nadcházející výzvy

New Front | Česká [Více](#) [Všechny výzvy](#)

Nový success story | Nula půlnocí skvělejší... [Více](#)

Mohlo by vás zajímat

Naše služby | Projekt od A do Z | Právní a finanční aspekty | Hodnocení rámcových programů | Možná a síťová podpora

Struktura programu HE

Excelentní věda | Globální výzvy a konkurenceschopnost | Inovativní Evropa

Rozšiřování účasti a postřevní ERA | Euratom | Mise | Evropské partnerství | Obecné

www.horizontevropa.cz

- ✓ news, events, e-learning, analyses, tailor-made notifications, success stories, ...

Any questions?



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