



JCBE

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23. listopadu 2022

PRACOVNÍ PROGRAM 2023-2024

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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 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

CLUSTER 6 WORK PROGRAMME FOR 2023-2024

- Publication probably on 28 November 2022
- Opening of the calls probably in December 2022
- Deadlines in **March / April 2023**
- 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



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

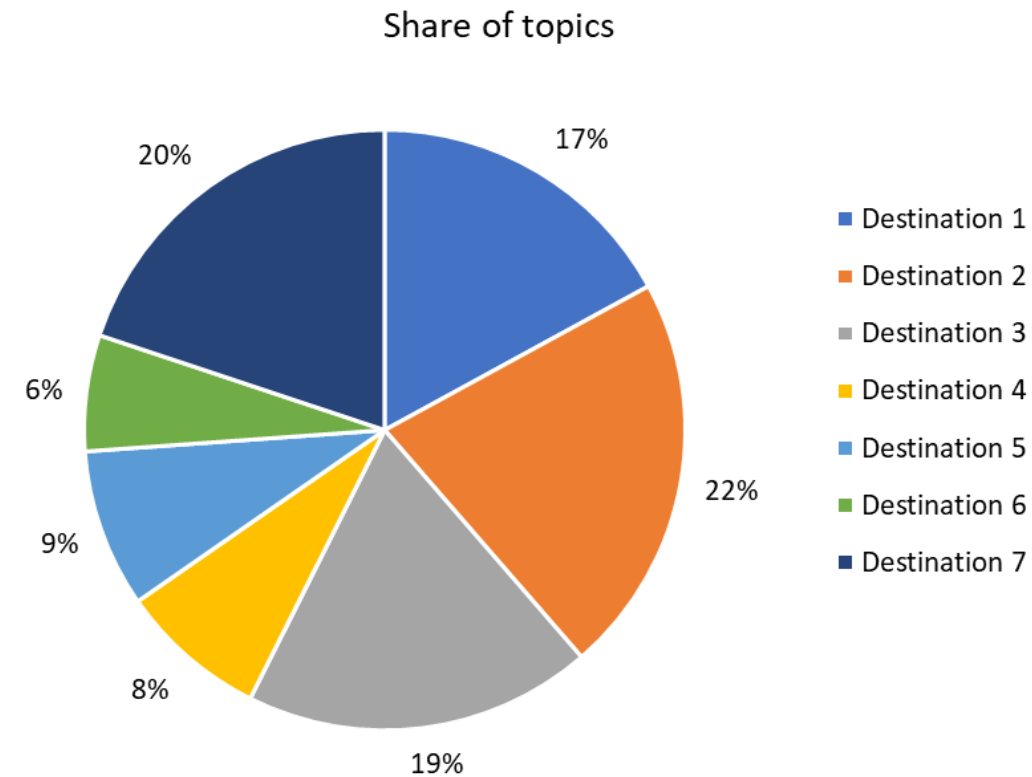


TABLE OF CALLS AND TOPICS

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
<i>Výzva HORIZON-CL6-2021-BIODIV-01 pro rok 2021, otevření 22.6.2021, uzávěrka 6.10.2021</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	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



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
 - **Circular bio-based Europe**
 - **Water4All: Water security for the planet**

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

SAVE THE DATE

Information day

- National information day Life Sciences (TC + ČZU, 22.11.2022)
- 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



STRATEGIC PLAN 2025 -2027

The Strategic Plan will be based on:

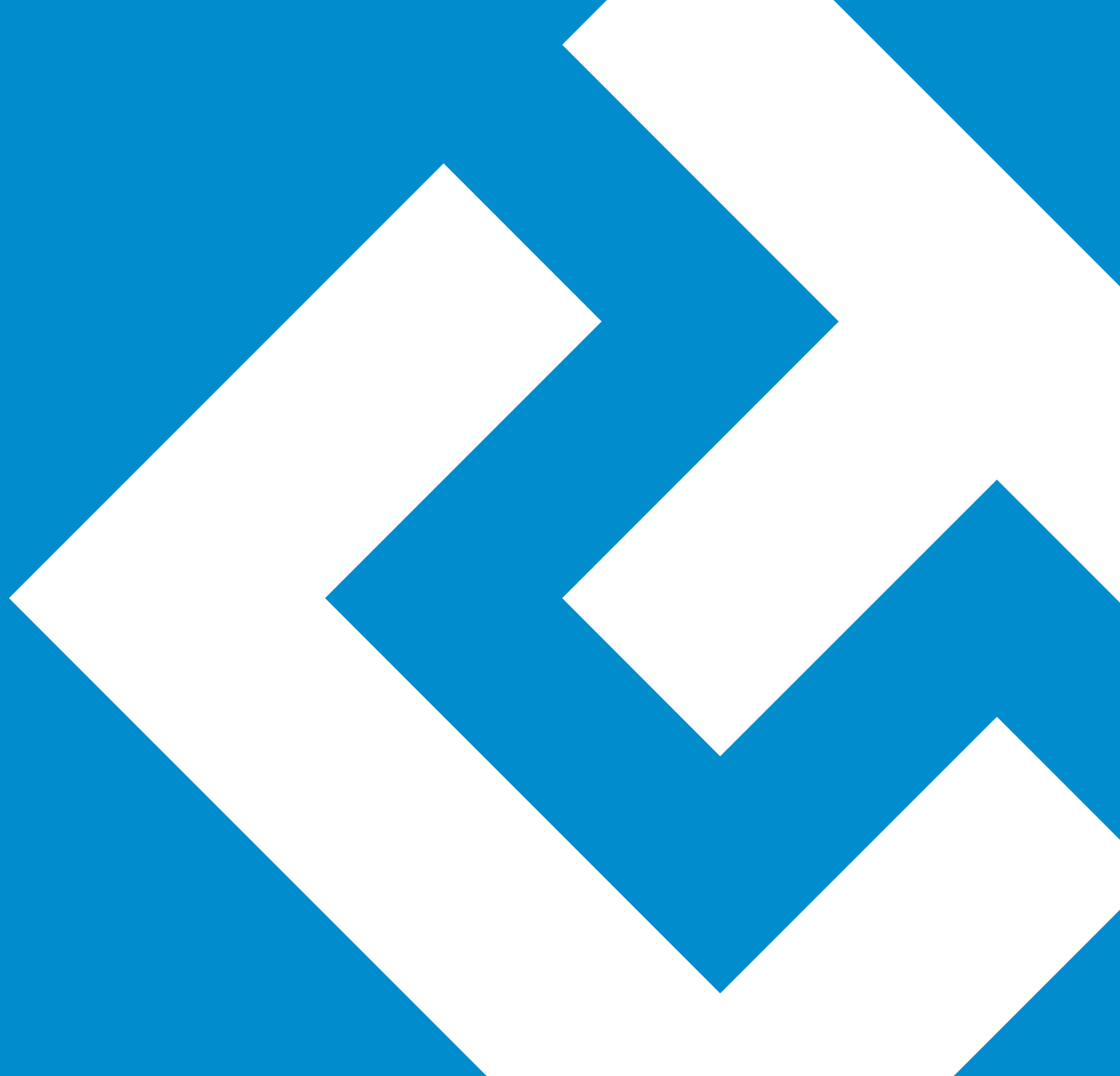
- An analysis according to the requirements of Horizon Europe Specific Programme
- A gap analysis covering new policy developments and potential new societal or scientific developments
- Feedback from citizens and stakeholders (Nov 2022 – Feb 2023) online public consultation
- Foresight

STRATEGIC PLAN 2025 -2027

Commissioner Gabriel launched the Horizon Europe Strategic Planning 2025 - 2027 during the R&I Days on 28 September.

- A 3-month public online consultation on Horizon Europe Strategic Plan 2025 - 2027. To be noted, the consultation will also cover Horizon 2020 ex post evaluation and Horizon Europe interim evaluation.
- A citizens' engagement workshop will take place on 1 December, to be held in the context of the [Conference on the Future of Europe](#) (CoFE). The objective is to discuss how CoFE outcomes could influence R&I priorities for the next 3 years and beyond. A representative group of 60-80 citizens is expected to participate.

MISE KLIMA, OCEÁNY A PŮDA



ADAPTACE NA ZMĚNU KLIMATU



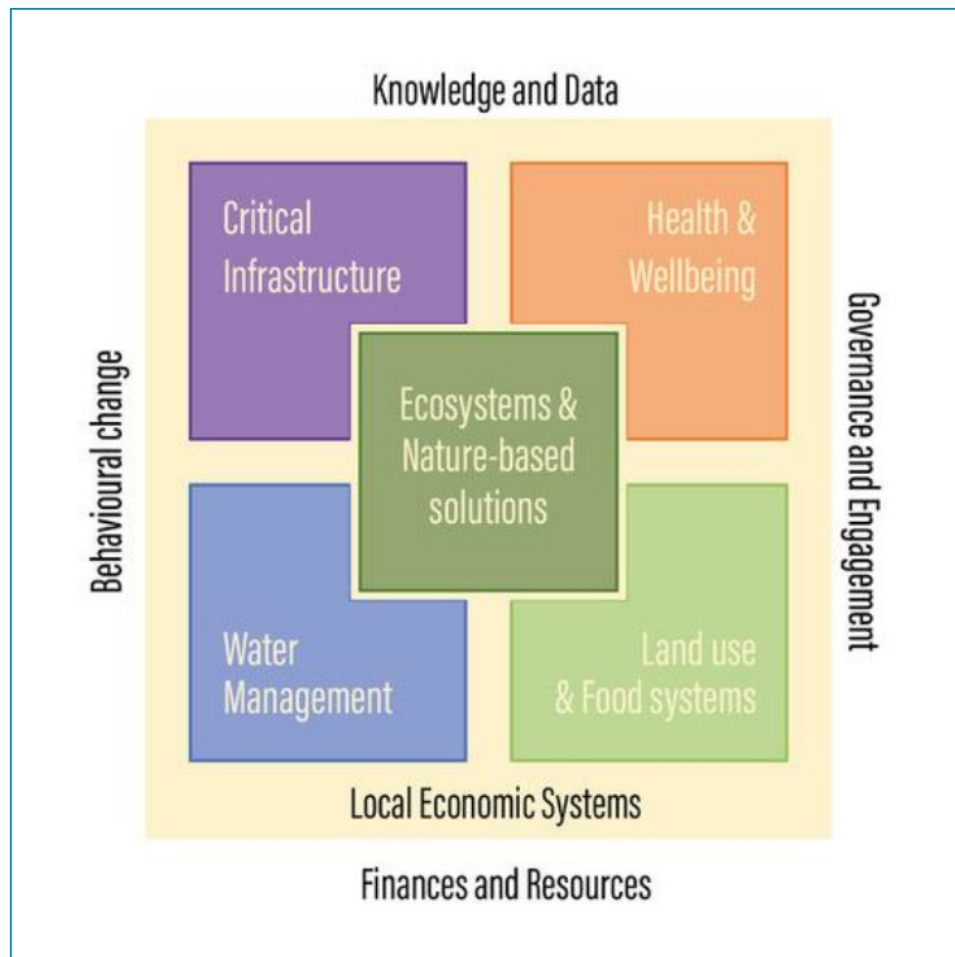
ADAPTACE NA ZMĚNU KLIMATU



- cíl: podpora nejméně 150 evropských regionů a komunit v tom, aby se do roku 2030 staly odolnými vůči změně klimatu



IMPLEMENTAČNÍ PLÁN



➤ 3 časové fáze:

- ✓ *Build-up* (2021-2023) – ustavení podpůrného systému, zapojení 60-100 regionů
- ✓ *Deployment* (2024-2027) – úpravy na základě hodnocení, zapojení dalších 50-100 regionů
- ✓ *Consolidation* (2028-2030) – udržení dynamiky a zajištění pokračujícího zapojení regionů

➤ cíle, rozpočet, řízení, monitoring, synergie, zapojení občanů,...

https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/climat_mission_implementation_plan_final_for_publication.pdf

Klíčové systémy komunit a podmínky umožňující naplnění mise

DEFINICE A AKTUALITY



- definice: **regiony** ~ původně uvažována úroveň NUTS 2, ale možno i jiné velikosti (NUTS 1 i NUTS 3)
komunity ~ seskupení lidí se sociálními vazbami, sdílenými hodnotami nebo zájmy, zapojených do společné akce
 - ~ mohou mít různou velikost a nejsou vždy geograficky omezeny
 - ~ i města
- ! vždy reprezentováno právníckou osobou

- výzva EK pro regiony k připojení se k misi podpisem tzv. **Charty mise**
 - na základě **Survey** (otevřeno kontinuálně)
 - nyní 215 signatářů, za ČR jen „friends“
 - pro zástupce regionálních a místních autorit
 - regiony získají:
 - příležitost sdílet zkušenosti se svými protějšky napříč Evropou
 - přístup ke službám **Platformy pro implementaci mise** (měla by začít fungovat na začátku roku 2023)

SIGNATORIES OF THE MISSION CHARTER		
AUSTRIA Land Niederösterreich Römerland Carnuntum	Municipality of Vari Municipality of Volvi Nisyros Island Skopelos Island Thessaly	Gmina Wisznia Mała Mazovian Voivodeship Region of Podkarpatie Silesian Voivodeship Świętokrzyski
BELGIUM City of Blankenberge City of Hasselt Region of Flanders	HUNGARY City of Kiskunmajsa District center of City of Gyöngyös Hajdú-Bihar County Jaszker Municipality of Püspökszilágy Municipality of Szarvas	PORTUGAL Cascais Cávado Coimbra Region Fundão Lisbon Metropolitan Area Mafra Médio Tejo Vila Pouca de Aguiar
BULGARIA City of Burgas	DENMARK Region of Central Denmark Region of North Denmark Denmark Region Zealand Vordingborg Municipality	SLOVAK REPUBLIC Košice region Bratislava District - Rača
CYPRUS Municipality of Athienou Municipality of Pafos	ITALY Municipality of Cesano Maderno Province of Potenza Region of Emilia-Romagna Region of Sardinia Region of Trento	SPAIN Aragon Ayuntamiento de Soutomaior Balearic Islands Basque Country
ESTONIA City of Rakvere		

TÉMATÁ WP 2023

- otevření: 10.1.2023
- uzávěrka: 20.9.2023
- rozpočet: 82,81 mil. eur



TÉMATATA WP 2023



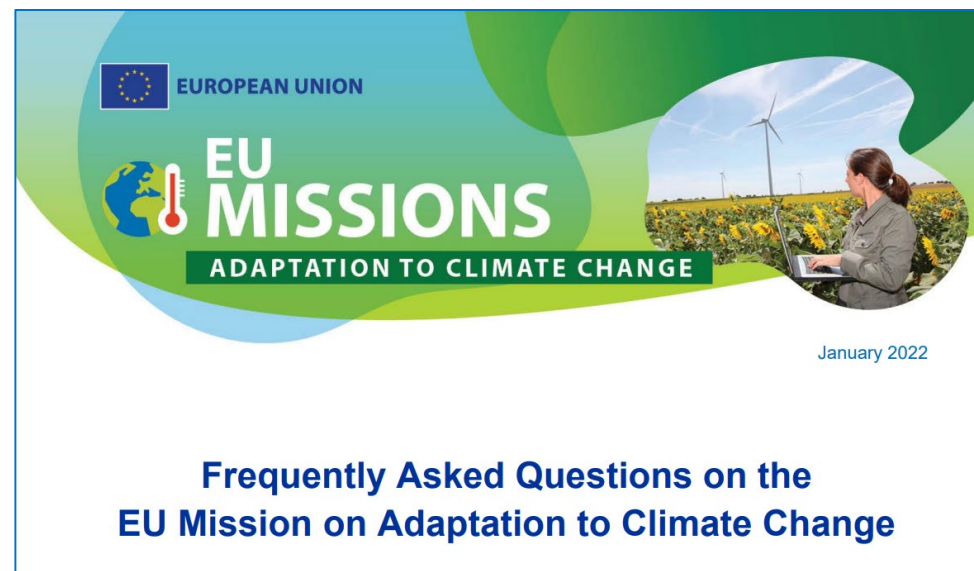
- ✓ **HORIZON-MISS-2023-CLIMA-01-01: Testing and demonstrating transformative solutions increasing climate resilience of the agriculture and/or forestry sector**
 - IA, 3 projekty, 8-10 mil. eur na projekt, TRL 6-8

 - ✓ **HORIZON-MISS-2023-CLIMA-01-02: Testing and demonstrating transformative solutions to protect critical infrastructure from climate change, mainstreaming nature based solutions**
 - IA, 3 projekty, 8-11 mil. eur na projekt, TRL 6-8

 - ✓ **HORIZON-MISS-2023-CLIMA-01-03: Testing and demonstrating transformative solutions to build resilience towards health risks caused by the effects of climate change**
 - IA, 3 projekty, 4,5-6 mil. eur na projekt, TRL 6-7
- demonstr. aktivity v 4 různých regionech/komunitách ve 3 různých MS či AS
 - „replicating regions“
 - pořadí projektů k financování i dle biogeografické oblasti

FAQS

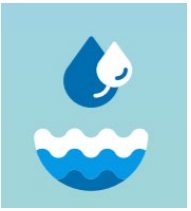
- rozumně zodpovězené a průběžně aktualizované všechny důležité otázky a definice



OBNOVA NAŠICH OCEÁNŮ A VOD DO ROKU 2030



OBNOVA NAŠICH OCEÁNŮ A VOD DO ROKU 2030



- cíl: obnova a ochrana zdraví oceánů, moří a vod do roku 2030

➤ zaměřeno na:

- ✓ ochranu a obnovu mořských a sladkovodních ekosystémů a biodiverzity
- ✓ prevenci a odstranění znečištění vod
- ✓ udržitelnou modrou ekonomiku

➤ 2 fáze:

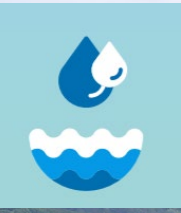
- *development and piloting* (2022-2025) – tzv. *lighthouses* jako centra pro vývoj a zavádění inovací (technologických, sociálních, ekonomických, správních)
- *deployment and upscaling* (2026-2030) – rozvoj a šíření vyzkoušených řešení



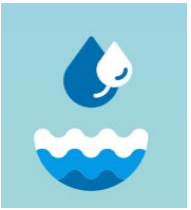
Mission Starfish, as proposed by the Mission Board Healthy Oceans, Seas, Coastal and Inland Waters²

TÉMATATA WP 2023

- otevření: 17.1.2023
- uzávěrka: 20.9.2022
- rozpočet: 87,7 mil. eur

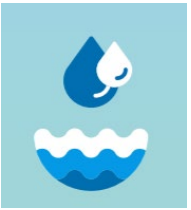


TÉMATA WP 2023



- ✓ **HORIZON-MISS-2023-OCEAN-01-01: European Blue Parks – Protection and restoration of marine habitats**
 - IA, 1 projekt, celkem 8,8 mil. eur, TRL 5-7
- ✓ **HORIZON-MISS-2023-OCEAN-01-02: Danube river basin lighthouse – Demonstration of effective and sustainable management of sediments in the Danube river-Black sea system**
 - IA, 2 projekty, 8,5 mil. eur na projekt, TRL 5-7
 - finanční podpora třetím stranám
- ✓ **HORIZON-MISS-2023-OCEAN-01-03: Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities threats to marine biodiversity**
 - IA, 2 projekty, 8 mil. eur na projekt, TRL 5-7
 - finanční podpora třetím stranám
- ✓ **HORIZON-MISS-2023-OCEAN-01-04: European natural lakes: demonstration of integrated approaches for protection and restoration of natural lake ecosystems and their biodiversity**
 - IA, 3 projekty, 4 mil. eur na projekt, TRL 5-7
 - finanční podpora třetím stranám

TÉMATA WP 2023



- ✓ HORIZON-MISS-2023-OCEAN-01-05: Lighthouse in the Baltic and the North Sea basins - Lighthouse in the Baltic and the North Sea basins - Green and energy-efficient small-scale fishing fleets
 - IA, 3 projekty, 4 mil. eur na projekt, TRL 4-6
- ✓ HORIZON-MISS-2023-OCEAN-01-06: Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection
 - RIA, 2 projekty, 2,25 mil. eur na projekt, TRL 3-4
- ✓ HORIZON-MISS-2023-OCEAN-01-07: Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures
 - RIA, 1 projekt, 1,4 mil. eur, TRL 4-5
- ✓ HORIZON-MISS-2023-OCEAN-01-08: Integration of socio-ecological models into the Digital Twin Ocean
 - RIA, 3 projekty, 3,3 mil. eur na projekt, TRL 3-5
- ✓ HORIZON-MISS-2023-OCEAN-01-09: Roadmap towards the integration of inland waters into the Digital Twin Ocean
 - CSA, 1 projekt, 2 mil. eur
- ✓ HORIZON-MISS-2023-OCEAN-01-10: Choose your fish: a campaign for responsible consumption of products from the sea
 - CSA, 1 projekt, 2 mil. eur na projekt
- ✓ HORIZON-MISS-2023-OCEAN-01-11: Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters
 - CSA, 1 projekt, 2 mil. eur na projekt

DOHODA O PŮDĚ PRO EVROPU



DOHODA O PŮDĚ PRO EVROPU



- cíl: 100 živých laboratoří a demonstračních projektů inspirujících k přechodu ke zdravé půdě do roku 2030



TÉMATATA WP 2023

- otevření: 17.1.2023
- uzávěrka: 20.9.2022
- rozpočet: 126 mil. eur



TÉMATA WP 2023



- ✓ **HORIZON-MISS-2023-SOIL-01-01: Discovering the subsoil**
 - RIA, 2 projekty, 6 mil. eur na projekt
- ✓ **HORIZON-MISS-2023-SOIL-01-02: Soil pollution processes – modelling and inclusion in advanced digital decision-support tools**
 - RIA, 2 projekty, 7 mil. eur na projekt
- ✓ **HORIZON-MISS-2023-SOIL-01-03: Onsite digital technologies to monitor nutrients and chemical or biological stressors in soil and plants with relevance for food safety and nutrition**
 - IA, 2 projekty, 6 mil. eur na projekt, TRL 7-8
- ✓ **HORIZON-MISS-2023-SOIL-01-04: Innovations to prevent and combat desertification**
 - IA, 2 projekty, 7 mil. eur na projekt, TRL 5-7
- ✓ **HORIZON-MISS-2023-SOIL-01-05: Soil-friendly practices in horticulture, including alternative growing media**
 - IA, 2 projekty, 6,5 mil. eur na projekt, TRL 5-7

TÉMATA WP 2023



- ✓ **HORIZON-MISS-2023-SOIL-01-06: Soils in spatial planning**
 - RIA, 1 projekt, 7 mil. eur
- ✓ **HORIZON-MISS-2023-SOIL-01-07: Back to earth: bringing communities and citizens closer to soil**
 - CSA, 1 projekt, 6 mil. eur
- ✓ **HORIZON-MISS-2023-SOIL-01-08: Co-creating solutions for soil health in Living Labs**
 - RIA, 3 projekty, 12 mil. eur na projekt
 - finanční podpora třetím stranám
- ✓ **HORIZON-MISS-2023-SOIL-01-09: Carbon farming in living labs**
 - RIA, 1 projekt, 12 mil. eur
 - finanční podpora třetím stranám



NCP KLASTR 6

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