

# HORIZON EUROPE „MISSIONS“

## TOPICLISTE

### AUSSCHREIBUNGEN 2023

#### Publication:

- 10<sup>th</sup> January 2023 (Climate, Cities, Joint Calls)
- 12<sup>th</sup> January 2023 (Cancer)
- 17<sup>th</sup> January 2023 (Ocean, Soil, Joint Calls)

#### Deadlines:

- Mission Adaptation to climate change: 20<sup>th</sup> September 2023
- Mission Cancer: 12<sup>th</sup> April 2023
- Mission Restore our Ocean, seas and waters by 2030: 20<sup>th</sup> September 2023
- Mission 100 Climate-Neutral and Smart Cities by 2030: 27<sup>th</sup> April 2023, 6<sup>th</sup> September 2023
- Mission A Soil Deal for Europe: 20<sup>th</sup> September 2023
- Missions' Joint Calls: 27<sup>th</sup> April 2023, 20<sup>th</sup> September 2023

#### Project Types:

- RIA – Research and Innovation Action
- IA – Innovation Action
- CSA – Coordination and Support Action

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# 1 MISSION ADAPTATION TO CLIMATE CHANGE

## 1.1 Demonstration of climate resilience solutions in support of the implementation of the Adaptation to Climate Change Mission, Deadline 20<sup>th</sup> September 2023

Topic Title	Instrument
HORIZON-MISS-2023-CLIMA-01-01 Testing and demonstrating transformative solutions increasing climate resilience of the agriculture and/or forestry sector	IA - expected EU contribution per project 8-10 million Euro, for 3 projects
HORIZON-MISS-2023-CLIMA-01-02 Testing and demonstrating transformative solutions to protect critical infrastructure from climate change, mainstreaming nature based solutions	IA - expected EU contribution per project 8-11 million Euro, for 3 projects
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 - expected EU contribution per project 4.5-6 million Euro, for 3 projects

## 2 MISSION CANCER

### 2.1 Research and Innovation actions supporting the implementation of the Mission on Cancer, *Deadline 12<sup>th</sup> April 2023*

Topic Title	Instrument
HORIZON-MISS-2023-CANCER-01-01 Addressing poorly-understood tumour-host interactions to enhance immune system-centred treatment and care interventions in childhood, adolescent, adult and elderly cancer patients	RIA - <i>expected EU contribution per project 7-12 million Euro, for 4 projects</i>
HORIZON-MISS-2023-CANCER-01-02 Enhance primary cancer prevention through sustainable behaviour change	RIA - <i>expected EU contribution per project 4-6 million Euro, for 5 projects</i>
HORIZON-MISS-2023-CANCER-01-03 Pragmatic clinical trials on minimally invasive diagnostics	RIA - <i>expected EU contribution per project 6-8 million Euro, for 7 projects</i>
HORIZON-MISS-2023-CANCER-01-04 Establish best practices and tools to improve the quality of life for childhood cancer patients, survivors and their families in European Regions	IA - <i>expected EU contribution per project 6 million Euro, for 1 project</i>

### 3 MISSION RESTORE OUR OCEAN, SEAS AND WATERS BY 2030

#### 3.1 Actions for the implementation of the Mission Restore our ocean and waters by 2030, *Deadline 20<sup>th</sup> September 2023*

##### 3.1.1 Protect and restore marine and freshwater ecosystems and biodiversity

Topic Title	Instrument
HORIZON-MISS-2023-OCEAN-01-01 European Blue Parks – Protection and restoration of marine habitats	IA - <i>expected EU contribution per project 8,8 million Euro, for 1 project</i>
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 - <i>expected EU contribution per project 8,5 million Euro, for 2 projects</i>
HORIZON-MISS-2023-OCEAN-01-03 Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities threats to marine biodiversity	IA - <i>expected EU contribution per project 8,0 million Euro, for 2 projects</i>
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 - <i>expected EU contribution per project 4 million Euro, for 3 projects</i>

##### 3.1.2 Prevent and eliminate pollution of our ocean, seas and waters

Proposals under joint call between Mission Restore our Ocean and Seas by 2030 and Mission A Soil Deal for Europe - HORIZON-MISS-2023-OCEAN-SOIL-01 - Mission Ocean & waters and Mission Soil Deal for Europe Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin are expected to contribute to Objective 2 of Mission Restore our ocean and waters by 2030.

##### 3.1.3 Sustainable, carbon-neutral and circular Blue economy

Topic Title	Instrument
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 - <i>expected EU contribution per project 4 million Euro, for 3 projects</i>
HORIZON-MISS-2023-OCEAN-01-06 Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection	RIA - <i>expected EU contribution per project 2,25 million Euro, for 2 projects</i>

Topic Title	Instrument
HORIZON-MISS-2023-OCEAN-01-07 Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures	RIA - <i>expected EU contribution per project 1,4 million Euro, for 1 project</i>

### 3.1.4 Mission Enabling activities: Digital Ocean and Water Knowledge System, public mobilisation and engagement, dynamic investment ecosystem

Topic Title	Instrument
HORIZON-MISS-2023-OCEAN-01-08 Integration of socio-ecological models into the Digital Twin Ocean	RIA - <i>expected EU contribution per project 3,3 million Euro, for 3 projects</i>
HORIZON-MISS-2023-OCEAN-01-09 Roadmap towards the integration of inland waters into the Digital Twin Ocean	CSA - <i>expected EU contribution per project 2 million Euro, for 1 project</i>
HORIZON-MISS-2023-OCEAN-01-10 Choose your fish: a campaign for responsible consumption of products from the sea	CSA - <i>expected EU contribution per project 2 million Euro, for 1 project</i>
HORIZON-MISS-2023-OCEAN-01-11 Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters	CSA - <i>expected EU contribution per project 2 million Euro, for 1 project</i>



## 4 MISSION 100 CLIMATE-NEUTRAL AND SMART CITIES BY 2030

### 4.1 Research and Innovation actions to support the implementation of the Climate-neutral and Smart Cities Mission, *Deadline 27<sup>th</sup> April 2023*

Topic Title	Instrument
HORIZON-MISS-2023-CIT-01-01 Co-designed smart systems and services for user-centred shared zero-emission mobility of people and freight in urban areas (2Zero, CCAM and Cities' Mission)	IA - <i>expected EU contribution per project 25 million Euro, for 2 projects</i>
HORIZON-MISS-2023-CIT-01-02 Positive clean energy district (PED) digital twins – from modelling to creating climate neutral Cities	IA - <i>expected EU contribution per project 6-7 million Euro, for 3 projects</i>

### 4.2 Associating Ukrainian cities to the Climate-neutral and smart cities Mission, *Deadline 6<sup>th</sup> September 2023*

Topic Title	Instrument
HORIZON-MISS-2023-CIT-02-01 Associating Ukrainian cities to the Climate-neutral and smart cities Mission	CSA- <i>expected EU contribution per project 5 million Euro, for 1 project</i>

## 5 MISSION A SOIL DEAL FOR EUROPE

### 5.1 Research and Innovation and other actions to support the implementation of mission A Soil Deal for Europe, *Deadline 20<sup>th</sup> September 2023*

Topic Title	Instrument
HORIZON-MISS-2023-SOIL-01-01 Discovering the subsoil	RIA - <i>expected EU contribution per project 6 million Euro, for 2 projects</i>
HORIZON-MISS-2023-SOIL-01-02 Soil pollution processes – modelling and inclusion in advanced digital decision-support tools	RIA - <i>expected EU contribution per project 7 million Euro, for 2 projects</i>
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 - <i>expected EU contribution per project 6 million Euro, for 2 projects</i>
HORIZON-MISS-2023-SOIL-01-04 Innovations to prevent and combat desertification	IA - <i>expected EU contribution per project 7 million Euro, for 2 projects</i>
HORIZON-MISS-2023-SOIL-01-05 Soil-friendly practices in horticulture, including alternative growing media	IA - <i>expected EU contribution per project 6.5 million Euro, for 2 projects</i>
HORIZON-MISS-2023-SOIL-01-06 Soils in spatial planning	RIA - <i>expected EU contribution per project 7 million Euro, for 1 project</i>
HORIZON-MISS-2023-SOIL-01-07 Back to earth: bringing communities and citizens closer to soil	CSA - <i>expected EU contribution per project 6 million Euro, for 1 project</i>
HORIZON-MISS-2023-SOIL-01-08 Co-creating solutions for soil health in Living Labs	RIA - <i>expected EU contribution per project 12 million Euro, for 3 projects</i>
HORIZON-MISS-2023-SOIL-01-09 Carbon farming in living labs	RIA - <i>expected EU contribution per project 12 million Euro, for 1 project</i>

## 6 MISSIONS' JOINT CALLS

### 6.1 Joint Call between Mission 100 Climate Neutral and Smart Cities by 2030 and Mission Adaptation to Climate Change, *Deadline 27<sup>th</sup> April 2023*

#### 6.1.1 Call - Demonstration of climate mitigation and resilience solutions in support of the implementation of the Adaptation to Climate Change and Cities Missions

Topic Title	Instrument
HORIZON-MISS-2023-CLIMA-CITIES-01-01 Urban greening and re-naturing for urban regeneration, resilience and climate neutrality	IA - <i>expected EU contribution per project 10-12 million Euro, for 4 projects</i>

### 6.2 Joint Call between Mission Restore our Ocean and Waters by 2030, Mission Adaptation to Climate Change and Mission A Soil Deal for Europe, *Deadline 20<sup>th</sup> September 2023*

#### 6.2.1 Call - Demonstration of climate mitigation and resilience solutions in support of the implementation of the Adaptation to Climate Change, Restore our Ocean and Waters by 2030 and A Soil Deal for Europe Missions

Topic Title	Instrument
HORIZON-MISS-2023-CLIMA-OCEAN-SOIL-01-01 Mission Climate adaptation, Mission Ocean & waters and Mission Soil Deal for Europe – Joint demonstration of an integrated approach to increasing landscape water retention capacity at regional scale	IA - <i>expected EU contribution per project 15 million Euro, for 1 project</i>

## 6.3 Joint Call between Mission Restore our Ocean and Waters by 2030 and Mission A Soil Deal for Europe, Deadline 20<sup>th</sup> September 2023

6.3.1 Call - Mission Ocean & Waters and Mission Soil Deal for Europe Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin

Topic Title	Instrument
HORIZON-MISS-2023-OCEAN-SOIL-01-01 Mission Ocean and Waters and Mission A Soil Deal for Europe – Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin	IA - <i>expected EU contribution per project 8 million Euro, for 2 projects</i>

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Datenstand: September 2022

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