Integrating Remote Sensing and in-situ observations of Biodiversity, towards a fully interoperable observation and data framework

Horizon Europe

PENDING

Code
HORIZON-CL6-2027-01-BIODIV-01

Scope
International

Location
Europe

Curator
Marlene Faria

FINANCIAL DETAILS

Support type
Non-Refundable

Maximum Funding Rate
100%

Budget
10M€

Eligible Project Value
Up to 5M€

DATES & DEADLINES

Publication Date
December 12, 2025

Opening Date
April 20, 2027

Deadline
September 22, 2027 at 05:00 PM GMT+2

DESCRIPTION

Objectives

This call aims to advance the integration of remote sensing and in-situ biodiversity observations to create a fully interoperable observation and data framework. The objective is to support robust, policy-relevant ecosystem assessments, nature protection, restoration planning, and biodiversity trend prediction using fit-for-purpose data. The call targets consortia of research organizations, universities, public and private entities, and other stakeholders from EU Member States and Associated Countries. The focus is on strengthening the capacity of researchers, practitioners, and decision-makers to improve biodiversity monitoring by integrating data from various sources, including omics-based, in-situ, and satellite-based Earth observation data. The results are expected to enhance the usability of in-situ datasets for advanced analytics, such as AI-based habitat classification and ecosystem mapping, supporting EU biodiversity and climate objectives.

Funding

The support is provided as a non-refundable grant in the form of a lump sum, covering up to 100% of eligible costs for Research and Innovation Actions (RIA). Each funded project will receive a contribution of €5 million, with a total topic budget of €10 million and an expected two grants to be awarded under this call.

ELIGIBLE EXPENSES

- Personnel Costs
- Travel costs
- Equipment costs
- Other goods, works and services costs
- Subcontracting
- Indirect Costs

BONUSES & MAJORATIONS

- Use of Copernicus and/or Galileo/EGNOS data for satellite-based earth observation
- Effective coordination with ESA's FuturEO programme
- Cooperation with European Commission steered biodiversity monitoring schemes
- Synergies with European research infrastructures

ELIGIBILITY

Application Mode
Consortium / Copromotion

Eligible Sectors

- Energy & Environment
- Agro-Food
- Health & Life Sciences
- Other

Company Typologies

- Micro
- SME
- Small Mid-Cap
- Mid-Cap
- Large
- Private non-profit entities

- Public entities

Action Types

- Development and validation of multisensory biodiversity data integration systems
- Harmonization and integration of omics-based, in-situ, and remote sensing data
- Demonstration and verification in terrestrial, freshwater, and marine ecosystems
- Design of data integration approaches for predictive analytics and AI
- Development of FAIR data workflows and processing protocols
- Linking biodiversity data to socio-economic, climate, agriculture, and environmental data
- Consensus building on data collection, metadata, and processing protocols
- Cooperation with existing in-situ data collection frameworks
- Research and Innovation Action

EU PROGRAMME DETAILS

Call ID
HORIZON-CL6-2027-01-BIODIV-01

Cluster
Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

Destination
D1. Biodiversity and Ecosystem Services

Submission Mode
single-stage

EU Contribution
€5,000,000.00 per project

Expected Projects
2

Funding Rate Rule
Up to 100% of eligible costs for Research and Innovation Actions (RIA)

OFFICIAL LINKS

Official Regulation
https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-01-BIODIV-01

Grantavia page
https://grantavia.com/en/incentives/integrating-remote-sensing-and-in-situ-observations-of-biodiversity-towards-a-fully-interoperable-observation-and-data-framework

Schedule a meeting
https://calendly.com/filipa-silva-epsa/reuniao