

Horizon Europe 2022 Call factsheet



Copernicus Marine Environment Monitoring Service evolution

With an integrated modelling approach, the integration of new observational data becomes a driver for further enhancement and improved realism of the already existing production chains, assimilation systems and coupled models. The development of advanced processing and modelling techniques, as well as the exploitation of new sources of data, will be targeted to create new products or significantly improve the quality and performances of existing ones.

Scope:

- Development of new and innovative models for marine ecosystems monitoring and related biogeochemistry;
- Use of models to prepare Copernicus-based solutions for different policies areas and for the challenges related to biodiversity conservation;
- Address specific domains such as the exploitation of the dynamics of the biological component of the ocean in terms of 'fauna and flora'.

Topics:

- Enhanced quality and efficiency of the current service to respond to policy and/or user requirements, technological developments implementing the space regulation, complementing the challenges targeted by the Horizon Europe Mission on "Healthy oceans, seas, coastal and inland waters", contribute to the UN Decade of Ocean Science for Sustainable Development;
- Development of efficient and reliable new products chains, calling for new paradigms in data fusion, data processing and data visualisation;
- Development of new algorithms and processing chains preparing the use of the new types of space observation data.



The indicative budget for this category is EUR 9.70 (Million).

Reference:

HORIZON-CL4-2022-SPACE-01-41

Research and Innovation

Opening: 05 May 2022

Deadline: 06 Sep 2022

Call overview, Produced 01/10/2021. Visit our website www.opencalls.space

Countries



all

Technology



Copernicus, GEOSS, ICT

Activities



Development product chains,
Development algorithms,
Innovative model development,
solution development

Contact



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