

# Horizon Europe 2021 Call factsheet



## Assess and predict integrated impacts of cumulative direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services

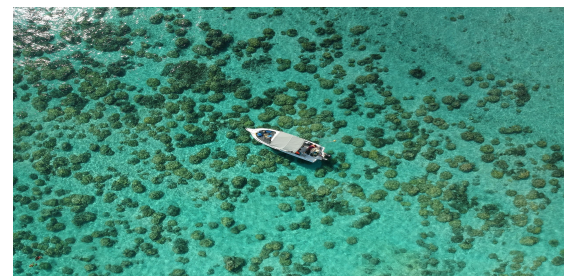
The current trajectories of social and economic development are destroying the ecosystems that ultimately sustain humankind. Identifying and defining direct and indirect anthropogenic and environmental stressors and their interactions should be the first step towards correctly quantifying their effects and feeding the models (forecast).

### Scope:

- Develop a systemic approach for the integrated impact assessment of cumulative direct and indirect stressors on coastal and marine ecosystems processes and services
- Characterise, measure, and understand the combined impact of different types of pressures or perturbations on coastal and marine biodiversity and ecosystems condition
- Increased understanding of the biological mechanisms that determine the response of organisms and ecosystems to environmental changes
- Integrate existing and new biodiversity data and knowledge from multiple origins
- Develop technologies, methods and models that can quantify and forecast how cumulative anthropogenic perturbations that can affect ecosystem's sustainability, productivity and resilience
- Contribution to enhancing the overall societal and public understanding of link between marine biodiversity and ecosystem functioning and human health

### Topics:

- Prediction of impacts of multiple stressors on coastal and marine biodiversity, ecosystems functioning and all its services
- Better management and impact assessment of invasive species
- Implementation of the Marine Strategy Framework Directive by determining pressure levels
- Ecosystem based management approaches and policy measures for activities both at sea and on land to reduce pressures to ensure Good Environmental Status



Horizon Europe

The indicative budget for this category is EUR 10.00 (Million).

### Reference:

**HORIZON-CL6-2021-BIODIV-01-04**

Research and Innovation

Opening: 24 Jun 2021

Deadline: 29 Sep 2021

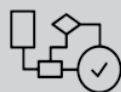
Call overview, Produced 14/06/2021. Visit our website [www.opencalls.space](http://www.opencalls.space)

### Countries



all

### Technology



Copernicus and/or Galileo/EGNOS(+other data and services); Flagship Actions on Biodiversity and Ocean Health of the EC-ESA Joint Earth system science initiative

### Activities



Systemic approach development, develop technologies, methods and models, integrate existing and new knowledge

### Contact



[info@groundstation.space](mailto:info@groundstation.space)