

STARTED ON: 01/12/2023



NAME OF THE PROJECT: User-driven applications and tools for Climate-Informed Maritime Spatial Planning and integrated seascape management, towards a resilient & inclusive Blue Economy

SHORT NAME: OCEANIDS

PROGRAM: Horizon Europe (2021-2027) Research and Innovation Programme

DURATION: 32 months

ALL ABOUT THE PROJECT: <https://www.oceanids-project.eu/>

SUMMARY: Coastal regions are considered pivotal for socio-economic activities facing heightened vulnerability to Climate Change (CC). The imperative for CC adaptation in coastal zones is evident and is expected to be intensified, followed by dynamic and iterative adaptation strategies. The OCEANIDS project aims to create user-driven tools and applications, serving mainly as a technological layer for regional authorities and stakeholders, enabling them to establish a more inclusive and resilient pathway leading to a Blue Economy in coastal regions. The project consolidates spatial and non-spatial data into a single-access platform for Climate-Informed Maritime Spatial Planning (CI-MSP), enhancing seascape management. Central to OCEANIDS is the O-DSP Decision Support tool, harmonizing climate data for local adaptation strategies. The project emphasizes inclusivity, driving behavioral change at individual and systemic levels. Through inclusive governance and innovative tools like ephemeral social networks, OCEANIDS empowers communities to accelerate transformative changes toward climate resilience. The platform's capability to assess hazards and provide recommendations supports not only immediate responses but also aids in formulating long-term strategies for mitigating geological risks associated with changing environmental conditions. In summary, it blends technological solutions with a cultural shift, creating a holistic framework for resilient coastal development.

Geosystems Hellas (GSH) is the Coordinator of the OCEANIDS Project. Within the framework of the project apart from the overall management, GSH is responsible for the design and implementation of the O-DSS (OCEANIDS Decision Support System) running in the backend, in seamless connection with the Risk Assessment Platform, and the O-DSP (OCEANIDS Decision Support Platform). This includes the integration of Climate Data and the integration with the Climate Data Store, following a methodological approach, ensuring that each component interacts with the inputs from the other OCEANIDS platforms, in collaboration with other tasks. GSH aims to give special attention to the overall design, by incorporating relevant feedback mechanisms, recommendation engines, and decision-support tools. The ultimate objective is to facilitate an optimal decision-making process within the context of OCEANIDS.



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