

JOB DESCRIPTION –THE EFFECTIVE PROJECT



EFFECTIVE PROJECT (<https://effective-euproject.eu/>)
“Enhancing social wellbeing and economic prosperity by reinforcing the eFFECTIVENess of protection and restoration management in Mediterranean MPAs”
UE HORIZON PROJECT Topic “HORIZON-MISS-2022-OCEAN-01-01 European Blue Parks – Protection and restoration solutions for degraded coastal and marine habitats”

Introduction to the project

The EFFECTIVE main objective is to develop a comprehensive scientific knowledge base and practical guidance, combining science, technological nature-based solution, and digitalization, for the application of the Ecosystem-Based Management to the protection and restoration management of the EU’s Mediterranean Blue Natural Capital.

EFFECTIVE’s ambition is to promote large-scale marine protected areas establishment in the European seas (contributing to 30% by 2030) through innovative marine ecosystems restoration and different observations and monitoring scales, which will allow an integrated approach involving governance, participation and social engagement, and a new ecosystem-based management framework regarding common natural and socioeconomic links.

EFFECTIVE works through nine Work Packages to be carried out in four pilot areas (1. Empordà Sea (Spain) 2. Ebro Delta (Spain), 3. Sardinia (Italy), and 4. Cabo Grecco (Cyprus))

WP1 Project management and coordination (CTN)

WP2 Policy frame and EBMS toolbox (CSIC)

WP3 Reinf. ecosystem services to increase the resilience of the blue natural capital in MPAs (SV)

WP4 Marine Restoration Actions through Nature-Based Tech Solutions (OE)

WP5 In-situ monitoring and small-scale modelling (GPA)

WP6 Blue Parks Digital Twin and spatial-temporal modelling (MARIS)

WP7 Blueprint for an effective and collaborative governance (FEDERPARCHI)

WP8 Citizen and Social Engagement (CTN)

WP9 Dissemination & Communication (F6S)

The work of the candidate will take place related to work Package 2 and Pilot Area 3 (Sardinia)

Work Package 2. Policy Frame and the EBMS toolbox

The main objective is to provide the conceptual context and its policy frame for the EFFECTIVE project, contributing to a better management and use of marine biodiversity, blue capital, and marine and coastal ecosystems through a former standard tool, the Ecosystem-Based Management System (EBMS). The proposed framework to develop and test this tool aims to be flexible enough for application at any geographical and temporal scale.

Work Package 2 was thought to work on two phases; a preparatory one to ensure areas for implementation and to develop formally all the pieces of the system, and an implementation phase later. The preparatory phase ended in November 2024; two deliverables (that can be shared) were launched. The implementation phase started in December 2024.

Work to be carried out in 2025

The work to be carried out during 2025 is related to the information system of the EBMS

The EBMS

In a rapid description, the EBMS is an Ecosystem Approach-based adaptive management tool that runs under quality and risk management schemes and includes a quality assurance step on it. It normalizes a common set of instruments and a facilitate a standard language.

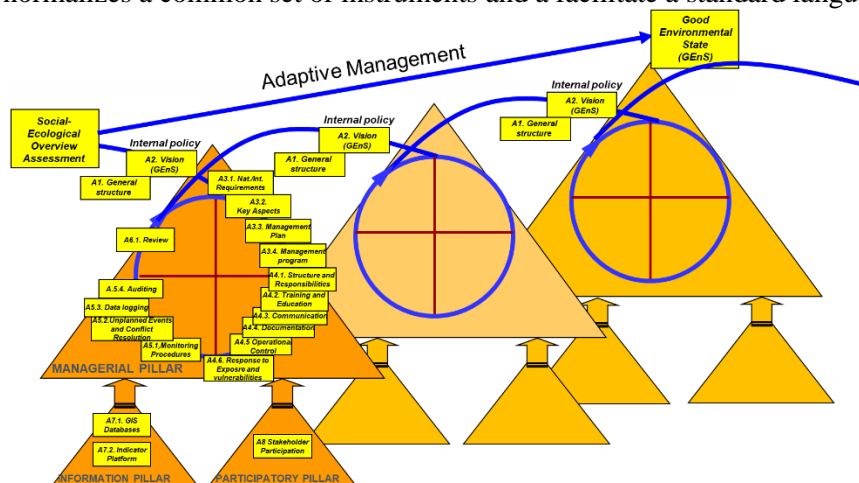


Figure 1.- EBMS

The EBMS has a three-pillar structure (Figure 1). The *managerial pillar* is the basis of the system and follows a formal classical development of an Environmental Management System (EMS) but using a Risk Management System (RMS) in its decision-making formal tools. The *information* and the *participatory* pillars provide the ecological and social inputs in terms of scientific data and social preferences required to support and operate the EBMS to achieve social/ecological targets under an EA. Combined, these three pillars can facilitate a wider use of sustainable development principles such as integration, adaptability, transparency or participation inside a quality assurance mechanism.

More information on the Information Pillar can be seen in the Deliverable 2.2. Social-ecological accounting frameworks organize information on aspects of social (human) and ecological systems relevant to representing the interactions between them (Figure 2). By using standardization of information categories as an organizing principle they make the understanding of such interactions and environmental decision-making more tractable and more relevant to Ecosystem-Based Management (EBM).

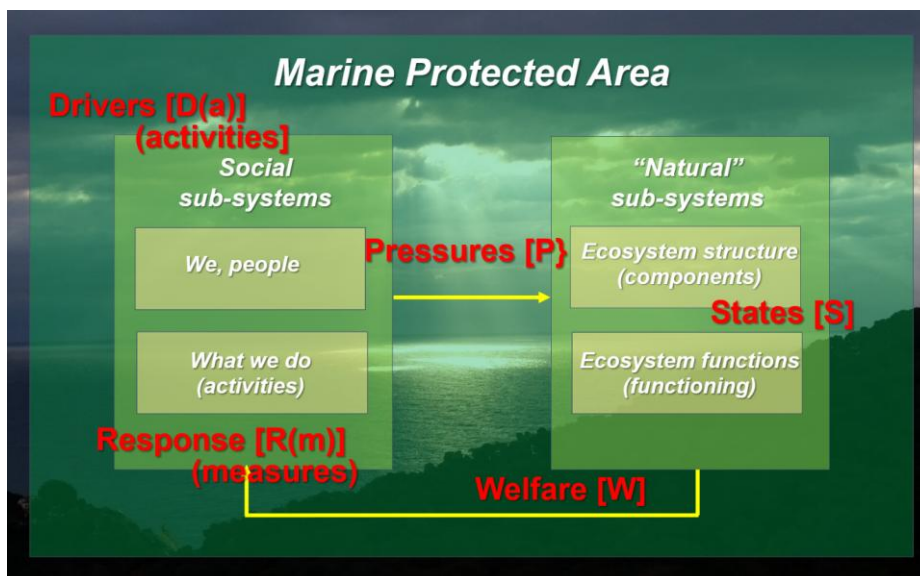


Figure 2. The Accounting Framework for the Information Pillar of the EBMS

For the three Marine Protected areas in Sardinia we will establish this kind of framework. In this framework, **the candidate will collaborate directly with the management teams of the selected Sardinian MPAs** (Tavolara, Sinis, La Maddalena) as well as with the scientist of the project (this work has been already started in the two parks of the Pilot 1 in the Catalan Sea).

The candidate will undertake the following main tasks:

- Identify and document the types of indicators monitored by the MPAs and download the relevant data. Based on that, gather relevant information on the management systems of the MPAs, including as a basic work the definition of a clear vision with indicators for the parks (State to be maintain or reached). This will be carried out downscaling the “Good Environmental Status” concept. By defining this vision, the system will contribute to the development of the MPA's vision, defining its conservation elements and the environmental health of its structure and operation
- Collect and analyse Marine Strategy-related data, with specific focus on spatial data. The candidate will be working with our GIS technicians. Assist in stakeholder mapping and ecosystem service evaluation
- Perform additional tasks as needed to support the project’s implementation.

The candidate will work in direct contact with the MPA management teams and the EFFECTIVE scientific teams in charge of the two pilots where the EBMS implementation will take place, pilots 1 and 3.

Scientific Coordinator: Professor Rafael Sardà, Senior Scientist at CSIC, Spain

Duration: Starting as soon as possible until December 2025 (TBD)

The selected candidate must reside in Sardinia for the entire duration of the contract,

Languages required: Italian and English (Spanish is desirable).

Please submit your CV and a short cover letter to secretariat@1ocean.org by Monday, March 17, 2025.