## **FACTSHEET**



# IMPROVED ECOLOGICAL CRITERIA FOR SYSTEMATIC BIODIVERSITY CONSERVATION







### **MSP4BIO WORK**

A review of scientific literature informed the development of methods to better integrate ecological functions into conservation planning. This led to a set of enhanced ecological and climate-related criteria, supporting a holistic. ecosystem-based more approach to marine conservation.

# **IMPROVED ECOLOGICAL CRITERIA**

### BACKGROUND

Protected managing Marine When (MPAs), it is crucial to consider not just the species present but the roles they play in maintaining the healthy functioning ecosystems. Including species functions and ecosystem processes in decision-making is critical for effective management ecologically coherent networks.

### **KEY FINDINGS**

Ecological functions are often overlooked in policy due to data gaps. The new ecological criteria within the ESE framework offer a structured approach to address this, helping MPA and MSP planners enhance biodiversity protection and marine ecosystem conservation.

### **Authors:**

Lucia Bongiorni, Matthieu Bekaert (CNR ISMAR) et al.





### Portfolio of improved ecological criteria 🥞

for systemic biodiversity protection and restoration



Vulnerability



Stability



**Functional** 



Life Cycle Critical Areas



Climate-smart



www.msp4bio.eu

lucia.bongiorni@ve.ismar.cnr.it