

AI-driven environmental monitoring systems for marine and coastal biodiversity assessment

Sector: Marine monitoring & surveillance

Short description of the needs:

BioPhilia specialises in environmental monitoring and biodiversity assessment, with a particular focus on marine and coastal ecosystems. The need for innovation concerns the integration of artificial intelligence tools into data analysis and collection processes. In particular, the company needs to explore solutions for the automatic recognition of animal and plant species through images, videos and bioacoustic data, reducing the time and margin of error in manual analysis, as technological support for the phases of in situ acquisition, pre-processing and manual and semi-automatic post-processing. Furthermore, with the aim of making monitoring faster, more accurate, scalable and replicable in various complex environmental contexts, including those related to offshore projects, partnerships and collaborations are being sought for the development of digital applications for the structured collection of field data in order to ensure interoperability between sensors and data sharing between stakeholders.

More info: For more information apply to eccentric@imast.it

Company: BioPhilia Group S.r.l.

Point of contact for the brief/challenge: IMAST - Distretto Tecnologico per l'Ingegneria dei Materiali Polimerici e Compositi e Strutture

Company position in the value chain: Tier1 supplier