

Smart Mooring System for Marine Protection and Biodiversity Monitoring

Sector: Marine monitoring & surveillance

Short description of the needs:

The company sees strong innovation potential in developing smart mooring systems for marine protection and biodiversity enhancement, combining hardware and software solutions. The system avoids seabed drilling and chain use, using a corpa morta block with holes that shelter marine life and a buoy positioned below the surface to prevent seabed damage. Smart buoys equipped with sensors and cameras enable continuous monitoring of biodiversity and CO₂ absorption.

The company has established the Regenero group, an active consortium advancing smart mooring and marine protection solutions. The group has initiated R&D activities and received recognition for its innovative approach to measurable biodiversity benefits. Building on these achievements, it now seeks new consortium members to strengthen and complete the concept, particularly research institutions focused on biodiversity and CO₂ absorption, to accelerate development and enhance the scalability of this sustainable marine innovation.

More info: For more information apply to PP2 Maritime Innovation Cluster MARINN via e-mail nikolina.radic@gitone.hr, dora.vujnovic@gitone.hr.

Point of contact for the brief/challenge: Maritime Innovation Cluster MARINN

Company position in the value chain: Tier 1