

High-Inertial-Mass Biodegradable Eco-Barrier Using Posidonia oceanica for the protection and stabilization of beaches, eroding dune systems, and coastal lagoons

Sector: Marine infrastructures

Short description of the needs:

BlueGEO Srl is a start-up which develops sustainable coastal defence technologies for the protection and restoration of coastal biodiversity (dune ridges and coastal ponds), using natural and biodegradable materials. The company is looking for a natural additive or chemical-physical treatment that can be applied to a product composed of 95% beached plant biomass (Posidonia oceanica plants with a multi-layered structure), in order to increase density, internal cohesion and structural stability of the eco-barrier. Cooperation is sought with research institutions, laboratories and industrial partners supplying naturalistic engineering technologies for the construction of a functional 1:1 scale prototype, the launch of durability tests and pilot validation.

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

Company: BlueGEO S.r.l.

Point of contact for the brief/challenge: IMAST - High Tech District on Engineering of Composite Materials and Polymers

Company position in the value chain: OEM