

Smart and Sustainable Aquaculture Systems

Sector: Other - Mariculture

Short description of the needs:

Call 1 – Digital Monitoring and Process Control in Aquaculture

The company is at the early stage of developing a project concept aimed at addressing the growing need for digitalization and sustainability in aquaculture. The proposed solution focuses on integrating existing equipment with digital monitoring and analytics systems to enable automated process control and real-time monitoring of environmental parameters, thereby improving efficiency, reducing resource waste, and minimizing environmental impact.

A major challenge is connecting traditional aquaculture equipment with advanced digital tools while ensuring reliable data collection and analysis under real farming conditions. The company seeks collaboration with research institutions and IT partners experienced in sensor technologies and data analytics to ensure accurate monitoring and improve operational efficiency. Support in the form of funding, training, and access to testing infrastructure will be essential to advance these innovations toward market-ready, sustainable aquaculture applications

Call 2 – System Integration and Reliable Data Collection

The company is at the early stage of developing a project concept aimed at addressing the growing need for digitalization and sustainability in aquaculture. The proposed solution focuses on integrating existing equipment with digital monitoring and analytics systems to enable automated process control and real-time monitoring of environmental parameters, thereby improving efficiency, reducing resource waste, and minimizing environmental impact.

A major challenge is connecting traditional aquaculture equipment with advanced digital tools while ensuring reliable data collection and analysis under real farming conditions. Partners with expertise in system integration and sensor implementation are sought to develop robust, scalable solutions for sustainable aquaculture operations. Support in the form of funding, training, and access to testing infrastructure will be essential to advance these innovations toward market-ready, sustainable aquaculture applications.

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