

PROJECT PARTNER:
Apulia Region

PROJECT TITLE:
Sea Reader

Interreg



ADRION

ADRIATIC-IONIAN

European Regional Development Fund - Instrument for Pre-Accession II Fund

BLUE_BOOST



#Blue Growth, #Innovation, #sea, #traceability, #aquaculture



PROJECT DESCRIPTION:

It is a sustainable smart solution and device for monitoring temperature and pH in waters inside the aquaculture plant to support the farmer in the management of production. The system is based on the construction of a sensorized buoy for the automatic acquisition of environmental parameters and a software interface module for accessing data supporting the farmer in the identification of correlation between biological data collected and production data. The surface of buoy has been equipped with sensors for temperature and pH, so through a mobile device the farmer can constantly monitor the waters of his plants and through the historicization of the data, he can consult the trends of the previous measurements also on annual basis. With these data the farmer can estimate the amount of feed to dispense (if the water is too cold fishes don't eat) to avoid, for example, food waste disperses on bottom of cages. The smart buoy can also inform on marine weather conditions and forecasts to schedule maintenance operations.



COMPANY:

Maricoltura Mattinatese Soc. Coop. A. R. L. Italy
www.mariicoltura.com

It is a cooperative operating in mariculture through the construction and management of breeding facilities of mussels, molluscs, fish, crustaceans and algae



PROVIDER:

Apphia s.r.l. Italy
www.apphia.it



Lead Partner



Project Partners



ASSOCIATED PARTNERS: Ministry of Economy of Montenegro | Croatian Maritime Industry Competitiveness Cluster | Albanian Investment Development Agency | Development Agency of Thessaloniki (Greece) | OGS - National Institute of Oceanography and Applied Geophysics (Italy)



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