

PROJECT PARTNER:
Apulia Region

Interreg



ADRION

ADRIATIC-IONIAN

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

PROJECT TITLE:

RFID (Radio-frequency identification) MUSSELS

BLUE_BOOST

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



PROJECT DESCRIPTION:

The project aims at reducing and preventing equipment and mussel ropes thefts in the open sea, through RFID sensors. Nowadays many mussel farms in open sea (Adriatic and Ionian) face continuous thefts of their equipment (long line buoys for mussel farms) and mussel ropes or net bags. This situation reduces profitability and competitiveness and represents a major problem for the mussel farmer. Thanks to RFID sensors the company will have a traceability system for equipment and mussels rope.

RFID passive sensors have been hidden into the long line buoys that are floats made of HDPE plastic and are hollow: after RFID sensors incorporation into the buoys, the farmer blocked them using polyurethane foam. RFID tags have been hidden into the mussel ropes as well and, in this case, they are black (like mussels) and look like product labels.

RFID uses electromagnetic fields to automatically identify and track tags attached to buoy and ropes. The tags contain electronically stored information. Passive tags collect energy from a nearby RFID reader's interrogating radio waves. Active tags have a local power source (such as a battery) and may operate hundreds of meters from the RFID reader.



COMPANY:

D'Andria Mare s.r.l. Italy

It deals with transformation and packaging of bivalve and cephalopod molluscs



PROVIDER:

Ittilink Soc. Coop. Italy

www.ittilink.eu

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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