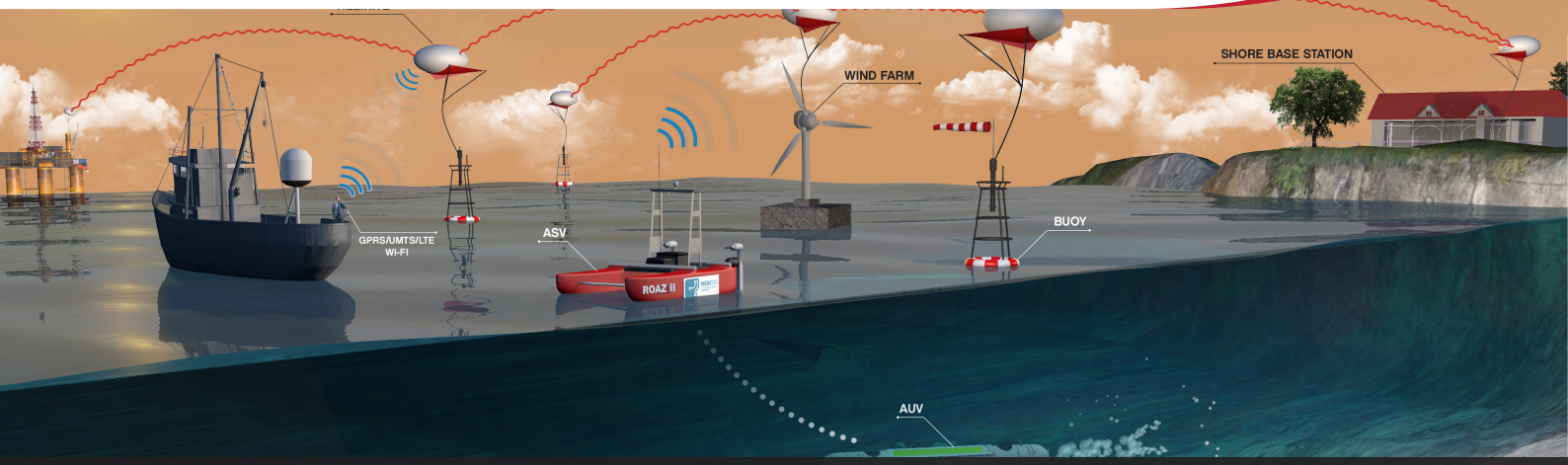
ICELAND
LIECHTENSTEIN
NORWAY
eea grants



Type III - PT02_Aviso4_0005

BLUECOM+ - Connecting Humans and Systems at Remote Ocean Areas using Cost-effective Broadband Communications

DESCRIPTION

The ocean and the Blue Economy are top priorities in Portugal and in the European Union, as stated by the Marine Strategy Framework Directive (MSFD), National Ocean Strategy (2013), and Commission's Action Plan for a Maritime Strategy in the Atlantic Area (2013). Portugal's immense ocean territory and its Blue Economy potential is envisioned to increase activity at the ocean. The support of this activity will demand wireless and mobile communications to connect humans and systems at remote ocean areas to the Internet, in alternative to HF/VHF and Satellite communications.

The BLUECOM+ project aims to develop an innovative communications solution that will enable broadband, cost-effective Internet access at remote ocean areas to regular devices using standard wireless access technologies. The project will include the specification, implementation, and laboratory testing of the communications solution to achieve a proof-of-concept prototype to be demonstrated in a remote ocean area. The BLUECOM+ target groups include: Scientists and Researchers; Public employees/Public Administration; Coastal and Marine Water Management System; Fisheries, Aquaculture and Fishing Industry; Marine Biotechnology, Marine Mineral and Energy Resources.

The partnership with IPMA and MARLO (Norwegian partner) will bring in the end-users communications requirements, the means for the sea trials, the knowledge about the sea environment, and the expertise for exploitation planning and impact assessment. MARLO will play a key role in establishing and promoting a bridge between the Portuguese reality and the Donor State reality (Norway) and will contribute to strengthen the bilateral relations.

PROJECT PROMOTER

INESC TEC - Institute for Systems and Computer Engineering, Technology and Science

PROJECT PARTNER

Portuguese Sea and Atmosphere Institute (IPMA)

DONOR PROJECT PARTNER

MARLO, AS (Norway)

TOTAL COST

309.348€

TOTAL ELIGIBLE COST

309.318€

EEA Grant

262.920€

OUTCOME

Outcome#2 - Improve monitoring of marine waters

OUTPUT

Capacity on fixed or mobile unmanned oceanic and coastal monitoring operations increased

INDICATOR

Number of communications services for supporting smart platforms for collecting and disseminating marine environment and human activities data at remote oceanic areas

TARGET

1 Service

GOVERNO DE PORTUGAL | MINISTRY OF AGRICULTURE AND SEA

dgpm Directorate General for Maritime Policy