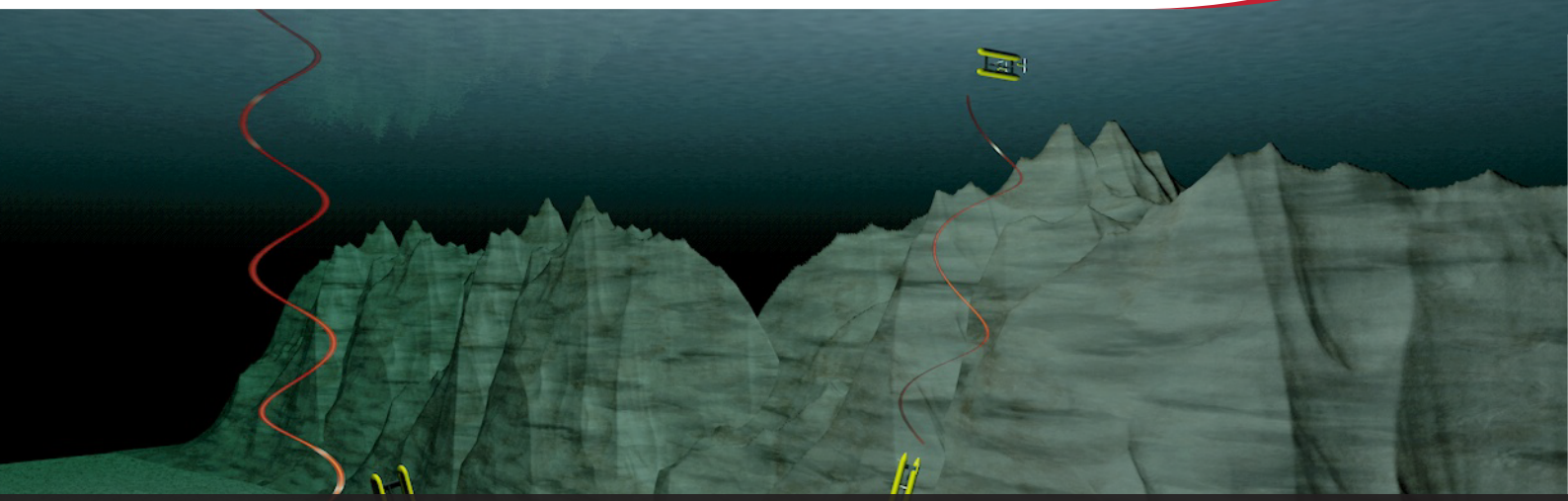
ICELAND
LIECHTENSTEIN
NORWAY
eea grants



Type II - PT02_Aviso4_0013

Medusa_DS Opening the Sea Frontier

DESCRIPTION

Knowledge and technological development are considered as the main pillars of the National Ocean Strategy. To implement this strategy and to achieve and maintain Good Environmental Status (GES) it will be instrumental to increase the operational capacity in the deep-sea domain in a cost effective manner so as to complement existing deep-sea exploration and monitoring tools. The MEDUSA_DS project aims at affording national science and technology stakeholders a system of autonomous cooperative vehicles capable of carrying operations at water depths of up to 3,000 m in remote oceanic areas, with light logistic requirements. The system will support decision-making processes related to marine management and conservation policies in the context of the exploration and sustainable exploitation of the extensive sea floor under national jurisdiction. The envisioned system will build on a field-proven existing shallow water system of cooperative AUVs previously developed by the partner IST, involving all partners in the knowledge extension process to reach the deep-sea. The project will benefit from the proven expertise of partner ARGUS (NO) on deep-sea remotely operated vehicles.

PROJECT PROMOTER

CEIIA – Center for Excellence and Innovation in Automobile Industry

PROJECT PARTNERS

Instituto Superior Técnico (IST) , Marine Institute - IMAR, Portuguese Sea and Atmosphere Institute (IPMA) Portuguese Task-group for the Extension of the Continental Shelf (EMEPC)

DONOR PROJECT PARTNER

Argus Remote Systems AS (Norway)

TOTAL COST

377.387€

TOTAL ELIGIBLE COST

377.387€

EEA Grant

320.779€

OUTCOME

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

OUTPUT

DP Vessel equipped with marine surveying equipment acquired and fitted for operation

INDICATOR

Number of systems of autonomous vehicles operating in a coordinated and collaborative way for collecting and disseminating marine environment and human activities data at remote oceanic areas

TARGET

1 System

GOVERNO DE PORTUGAL | MINISTRY OF AGRICULTURE AND SEA

dgpm Directorate General for Maritime Policy