

CALYPSO South

Supported
by the
WESTMED
blue economy initiative


Extending Data and Services for Safer Navigation & Marine Protection

CALYPSO SOUTH faces the common challenge of safety in maritime transport, the safeguarding of human lives at sea and the protection of marine-coastal resources.

The project targets an enlarged HF radar observation system of sea surface currents and waves to aid safer navigation, response to oil spills and search and rescue.

The availability of the HF radar technology allows the authorities to have a complete real time mapping of the sea circulation in Maltese and Sicilian marine area, and to reduce intervention times in the case of threats from polluting events or extreme meteorological conditions. The project also provides support services in maritime security operations in harbours through the installation of weather stations networked through a web interface that integrates and combines weather data with marine wave data released by HF radar stations

Expected results

Enlargement of the HF radar monitoring coverage corresponding to the entire Maltese marine area and to the Sicily south-east area with a total coverage of 15,000 square kilometres



Prof. Aldo Drago

(Head of the Physical Oceanography Research Group, University of Malta)

“High Frequency radars offer an advanced technological solution to monitor routinely the sea in proximity of Malta and southern Sicily, in this area of the Mediterranean Sea heavily trafficked by ships carrying billions of euros worth of goods, and to safeguard resources and lives of people.”

Project - responsible

Prof. Aldo Drago
aldo.drago@um.edu.mt

Countries	IT, MT
Financing	Interreg Italia-Malta/ European Regional Development fund (ERDF)
Budget	€ 2.500.000
Duration	43 months (Mar. 2018 – Oct. 2021)
Partners	LEAD: University of Malta (MT) <ul style="list-style-type: none"> • Università' degli studi di Palermo (IT) • Università' di Catania (IT) • Transport Malta (MT) • Agenzia Regionale per la Protezione dell'Ambiente della Sicilia (IT) • Istituto per lo studio degli impatti Antropici e Sostenibilità in ambiente marino - CNR (IT) • Civil Protection Department, Malta (MT)

WestMED Initiative Alignment

High Frequency Radar (HFR) installations are becoming a key component of operational coastal observation systems for real time mapping of sea surface currents and waves. At the end of the ongoing CALYPSO South project, the CALYPSO HFR network in the Malta shelf area comprises seven sites, serving safer navigation, oil spill response, search and rescue and other areas of support to national stakeholders - all directly aligned with the WestMED priorities.



Maritime safety and response to marine pollution

Coastguard functions cooperation

Marine and maritime knowledge (data gaps, data analysis and - sharing)

More Information

<https://www.calypsosouth.eu/>

[@CalypsoSouth](https://www.facebook.com/CalypsoSouth)

<https://westmed-initiative.eu>