



Funded by  
the European Union



# EURMARS

An advanced surveillance platform to improve  
the **EU**ropean **M**ulti **A**uthority **border** **S**ecurity  
efficiency and cooperation



## **SENSORS**

Ground-breaking enhancements of sensor capabilities to detect critical objects of interest



## **PLATFORM**

A flexible platform with verified easy-to-integrate potential for next generation platforms and systems



## **BENCHMARKS**

For adopting advanced data fusion and AI-based analytics in maritime



## **DECISION SUPPORT TOOL**

Delivery of advanced decision-making support tool and enhanced user interface under a cyber secure platform



## **MARKET ENTRY**

Creation of efficient pathways to rapid market entry



[eurmars-project.eu](http://eurmars-project.eu)



[linkedin.com/company/eurmars-horizoneu](https://www.linkedin.com/company/eurmars-horizoneu)



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## Objectives

Improve the surveillance capabilities of border authorities by enhancing the quality of aerial (e.g. satellite, high altitude platform, UAV) and ground-based optical multi-sensor platforms

Enhance the performance of border surveillance solutions in terms of security and risk assessment

Incorporate the needs of end-users into the design and development of a multi-tasking system that can address the demands of multi-authority missions at maritime and coastal borders

Benchmark the performance of the platform based on end user-driven demonstrations during a longer time period at the border and coast guards infrastructure and ensure that it is acceptable to all stakeholders

Implement measures to facilitate the rapid uptake of the EURMARS platform at the end of the project.

## EURMARS CHALLENGE

The main challenge addressed by EURMARS is the prediction, surveillance and management of attempts to execute irregular migration entailing the disembarkation of migrants and refugees and the prevention of operation of smuggling and trafficking networks. Relevant to this challenge is the overall management of search and rescue operations balancing potential illegal activities impact while considering of human rights and international obligations at sea. Due to the sensors envisioned to be deployed in EURMARS, the project aims to tackle also the challenge of oil spills observation & monitoring.

The parallel and concurrent challenge to this context is the coordination and cooperation among different authorities and agencies at the national and EU level, such as coast guards, border guards, customs, police, fisheries, environmental protection and maritime safety entities. These actors have different mandates, responsibilities and capacities, which may create gaps or overlaps in their operations.