



# EURMARS

## Welcome to the EURMARS Project Newsletter

This is the first issue of the EURMARS Project Newsletter. As a member of our mailing list, which you joined through the official EURMARS Project website, you are receiving this update. Within the pages of this first issue, we aim to introduce you to the project itself, outlining its scope and objectives, while also providing an overview of the strides the project has taken thus far.

---

## About EURMARS

Security risks and threats in the maritime domain are becoming increasingly more complex day by day. Within the EU there have been significant increases in irregular migration flows and human trafficking and smuggling but also of other illegal activities, such as drugs and arms trafficking and illegal, unreported and unregulated fishing, and – according to the FRONTEX “Risk Analysis for 2021” report- the challenge becomes even bigger. The European Union Maritime Security Strategy, and other EU initiatives such as

EUROSUR and CISE, highlight that closer collaboration between authorities at national, regional and EU levels can constitute the key action to increase both situational awareness and operational efficiency. In particular, there is increased interest in assessing the viability of multi-authority cooperation in (especially high altitude) sensing and capability advancement for enhanced wide area surveillance of land, air and sea borders. EURMARS's ground-breaking vision is to expand the common risk assessment practices currently deployed by authorities to enable the development, deployment and evaluation of a secure multitasking surveillance platform that improves sensing capabilities for a wide range of security risks and threats in wider border areas by clustering high altitude platforms technology, satellite imagery, UxVs and ground-based sensors into a novel joint surveillance capability. As part of the EURMARS framework, the various existing and future systems for maritime surveillance will be integrated, to allow for the collaborative operation and the provision of the sensing results to related authorities. The open architecture will build on the lessons learnt of previous initiatives, assimilate the knowledge of the stakeholders and their practice on CISE and other relevant systems, exploit the latest AI, risk assessment and visualization innovations, and undergo extensive technical and user acceptance tests and ethical and legal impact assessments.

---

## **EURMARS Objectives**

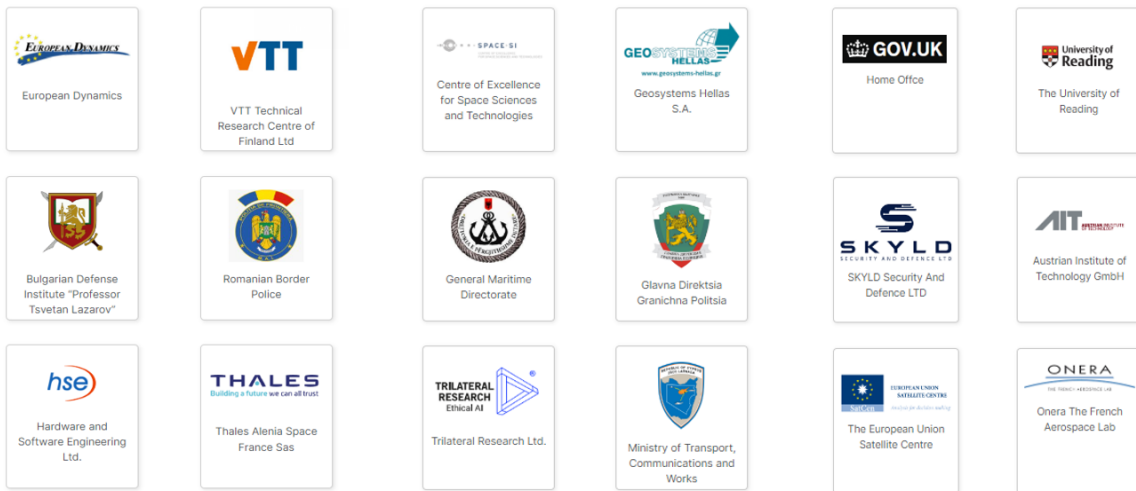
The EURMARS Project aims to improve border surveillance systems in Europe's external maritime and coastal operational environments. This will be achieved through the development, deployment, and validation of a 24/7 surveillance platform. The project has the following objectives:

- Development of a flexible interoperable surveillance platform with multi-authority cooperation capabilities and verified easy-to-integrate potential for next generation platforms and systems
- Provision of integration infrastructure for existing and future data sources and services related to maritime surveillance
- Utilization and clustering of high-altitude technology, satellite imagery, UAVs, and ground-based sensors into a joint surveillance capability to provide continuous complementary data
- Innovative enhancement of sensor and platform capabilities (data fusion, AI analytics, risk assessment, and alarming) to improve detection capability of critical objects of interest and reduce false alarms

- Advanced decision-making support tool and enhanced user interface under a cyber-secure platform
- Development of performance benchmark platform to ensure acceptability by all stakeholders including extensive technical and user acceptance tests and ethical and legal impact assessments
- Implementation of measures and creation of efficient pathways to rapid market entry of the EURMARS platform at the end of the project

## Who is involved?

The consortium is held by 18 partners



## EURMARS Latest News

You can see full post by clicking on the images.



## EURMARS participated to Projects to Policy Seminar

The Projects to Policy Seminar, took place in Brussels on June 14 and 15, 2023, was a highly successful event that brought together newly launched projects and policy DGs.



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101073985



**EURMARS**

# The Ethics of Border Management Surveillance Technology

15 June 2023

Workshop

**The Ethics of Border Management Surveillance Technology - Workshop**

A workshop on “The Ethics of Border Management Surveillance Technology” took place via webinar on the 15th of June 2023.



## **EURMARS presentation in the RISE-SD 2023 conference**

The EURMARS Project actively participated in the prestigious RISE-SD 2023 conference that took place in Rhodes, Greece on 29 – 31 May, 2023.

You can read more about EURMARS Project news and updates here: <https://eurmars-project.eu/news/>

---

## **EURMARS Flyer**

The following flyer was designed and distributed at the events in which the EURMARS Project actively participated. Just click on the image to have a look of the two page EURMARS Project flyer.



## EURMARS

An advanced surveillance platform to improve the **EUROPEAN Multi Authority Border Security** 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)



[twitter.com/EURMARS\\_Project](https://twitter.com/EURMARS_Project)



Funded by the European Union

## 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.

You can find more EURMARS Project dissemination material here: <https://eurmars-project.eu/dissemination-material/>

# EURMARS Social Media

Ensure that you visit the website frequently to remain informed - we'll be sharing the latest project updates, upcoming events, and resources detailing our efforts and outcomes.

You can also find EURMARS Project on the following social media channels:

## Follow us on social



*This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No [101073985](#)*

---

**EURMARS Website:**

<https://eurmars-project.eu/>



You received this email because you signed up on our website.

[Unsubscribe](#)

