

Welcome to



Newsletter #1

March 2026

Project Launch Edition

Intro

We are pleased to announce the launch of **CROSSMARE** (Advanced Cross-Border and Multi-Domain Interoperability Framework for Improved Collaborative Operational Efficiency for Secure Maritime Borders), an ambitious Horizon Europe Innovation Action funded by the European Union.

CROSSMARE aims to enhance maritime surveillance and border security by developing a **next-generation, interoperable monitoring framework** that integrates multiple domains, space, air, surface, and underwater, into a unified operational picture.

The project brings together **17 partners from across Europe**, including industry leaders, research organisations, SMEs, and end-users, working collaboratively to address critical maritime security challenges such as:

- 1** Irregular migration
- 2** Illicit activities at sea
- 3** Environmental threats and pollution
- 4** Protection of critical maritime infrastructure

CROSSMARE runs from **October 2025 to September 2028**, with the goal of significantly improving cross-border cooperation and operational efficiency for maritime authorities.

What is CROSSMARE About?

Challenges

CROSSMARE is a cutting-edge European research and innovation project that addresses one of the most critical challenges for Europe today: **achieving effective, coordinated, and intelligent maritime surveillance across borders and domains.**

Issues

Modern maritime security operations are increasingly complex, requiring authorities to monitor vast areas while responding to diverse and evolving threats. Existing systems often operate in silos, limiting the ability to share information and act collaboratively.

Solutions

CROSSMARE tackles this challenge by developing a **holistic, multi-domain and interoperable surveillance ecosystem**, designed to significantly enhance Maritime Situational Awareness (MSA).

At its core, the project focuses on:

1 Multi-domain Surveillance Integration

CROSSMARE combines data from **space, aerial, surface, and underwater platforms**, creating a unified operational picture. This includes satellites, drones, unmanned vessels, underwater systems, and traditional surveillance assets.

2 Advanced Data Fusion & Artificial Intelligence

The project leverages **AI, machine learning, and large-scale data analytics** to process heterogeneous data streams in real time. Through advanced multi-modal data fusion, CROSSMARE enables:

- Early detection of anomalies
- Improved threat identification
- Faster and more informed decision-making



3

Interoperability & Cross-border Collaboration

A key objective is to ensure seamless **interoperability between legacy and next-generation systems**, supporting cooperation between different agencies and countries.

CROSSMARE also contributes to and extends the **Common Information Sharing Environment (CISE)**, strengthening data exchange at the European level.



4

Intelligent Command & Control

The project enhances **Command & Control (C2) systems and Human-Machine Interfaces (HMIs)**, enabling operators to efficiently manage both manned and unmanned assets, while supporting mission planning and execution.

5

Security, Ethics & Privacy by Design

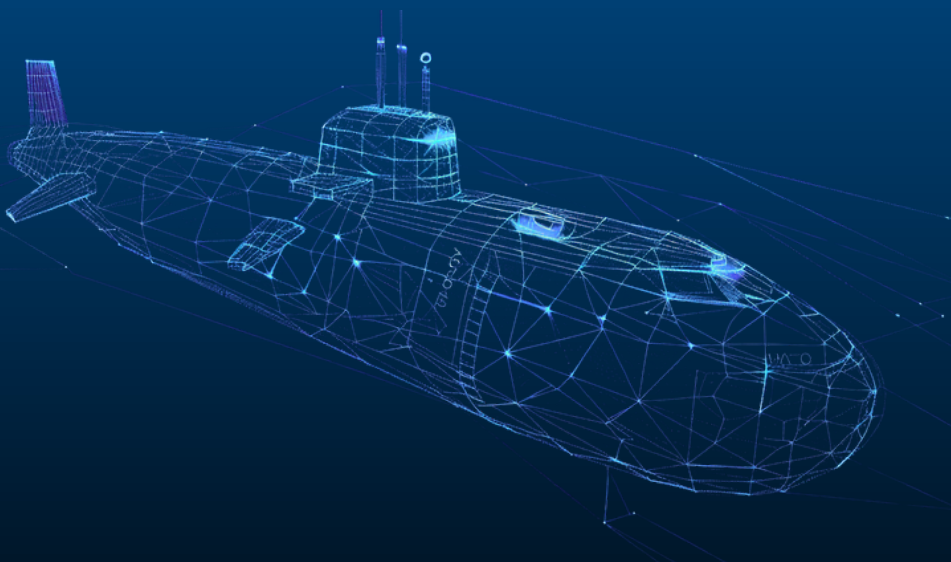
All technologies developed within CROSSMARE follow a **Security- and Privacy-by-Design approach**, ensuring compliance with EU regulations and fundamental rights.

By combining technological innovation with operational needs, CROSSMARE aims to **transform how maritime surveillance is conducted in Europe**, enabling more effective prevention, detection, and response to security threats at sea.

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Validation in Real Operational Conditions

CROSSMARE goes beyond research by validating its solutions through **realistic and operational scenarios**, involving end-users such as coast guards and border authorities. This ensures that developed technologies are practical, usable, and impactful.



Kick-off Meeting

The CROSSMARE project officially started with a successful **Kick-off Meeting**, bringing together all consortium partners to align on objectives, structure, and next steps.



During the meeting, partners:

- Presented their roles and expertise
- Discussed the technical vision and work plan
- Established collaboration mechanisms and governance structure
- Defined the roadmap for the first phase of the project

This important milestone marked the beginning of a strong collaboration toward achieving CROSSMARE's ambitious goals.

Read More

About the Kick-off Meeting [here](#)

Stay Tuned

Stay connected for more insights into how CROSSMARE is shaping the future of secure and intelligent maritime surveillance in Europe.

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