

Partners



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**Advanced Cross-Border and
Multi Domain Interoperability
Framework for Improved
Collaborative Operational
Efficiency for Secure Maritime
Borders**

AIM:

CROSSMARE aims to transform European maritime surveillance and strengthen the security of EU sea borders through an innovative, multi-domain interoperability framework. The project combines advanced technologies, artificial intelligence, and cross-border collaboration to deliver a unified and more effective approach to maritime situational awareness.

KEY OBJECTIVES:

- ✓ Multi-Domain Maritime Awareness
- ✓ AI-Powered Security
- ✓ Interoperability Across Borders
- ✓ Enhanced CISE Integration
- ✓ Real-World Demonstrations
- ✓ Ethical & Secure by Design

CROSSMARE strengthens maritime border surveillance by connecting different monitoring systems and authorities into a shared operational picture.

APPROACH:

- Integrates data from satellites, drones, autonomous vessels and coastal surveillance systems
- Uses AI and data fusion to detect anomalies and threats at sea
- Supports authorities with decision-support tools for faster response
- Enables secure real-time information sharing between agencies
- Applies a privacy-by-design framework respecting security and fundamental rights
- Tests and validates solutions through operational trials with end users

EXPECTED IMPACTS:

- Improve maritime situational awareness
- Detect illegal activities earlier
Support prevention of irregular migration and pollution incidents
- Strengthen cross-border cooperation between authorities
- Enable faster and better-informed operational responses
- Protect critical maritime infrastructure and coastal areas
- Increase efficiency through automated and unmanned systems
- Ensure compliance with security, privacy and fundamental rights