

**BMVI/2021-2022/SA/1.2.1/015**

**REACTION: REal-time ArtiFicial InTelligence for BOrders Surveillance via  
RPAS data aNalytics to support Law Enforcement Agencies**

**Signing Agreement:** 18/07/2024

**Project timeline:** 01/04/2024 – 31/12/2025

**Project budget:** € 839.283,02

**Project description:**

In the last decade, Greece and Cyprus, as part of the EU's external borders, faced challenges from socio-political issues in neighboring regions, especially irregular migration. This increased transnational crimes like human trafficking. The difficult terrain, including vast seas and mountains, complicates monitoring these borders. REACTION, building on EU-funded projects (CERETAB, AIDERS, ROBORDER), aims to develop a comprehensive border surveillance platform. It will integrate autonomous vehicles (UxV) and AI for detection and classification, enhancing early threat identification. REACTION will connect with existing platforms in Reception & Identification Centers (RICs) for proactive measures. It will use advanced algorithms and mapping, utilizing various heterogeneous sensors (including visual, thermal, and multispectral cameras, LIDAR, et al.), to improve border surveillance and emergency responses. The system will be tested in real border scenarios to reach a fully functional TRL-8 system, improving risk assessment and operational efficiency for law enforcement and border authorities.

The general objective of the REACTION project can be identified as: (1) deploy an AI-enabled platform for efficient EU border surveillance in small and large real-life events which technologies has already been validated in similar operational scenarios and (2) investigate its potential benefits and capabilities to support LEA activities effectively proven within the actual operational field environment, by the purchase and deploy of unmanned aerial means. In this manner, REACTION will strengthen surveillance and response to emergencies in the East Mediterranean external EU borders area and allow for testing and validating of previously developed innovative operational tools to facilitate borders surveillance.

**The project is implemented within the framework of the Financial Support Instrument for Border Management and Visa Policy (BMS) with the co-financing of the European Union and the Republic of Cyprus.**



Με τη συγχρηματοδότηση  
της Ευρωπαϊκής Ένωσης



Κυπριακή Δημοκρατία

