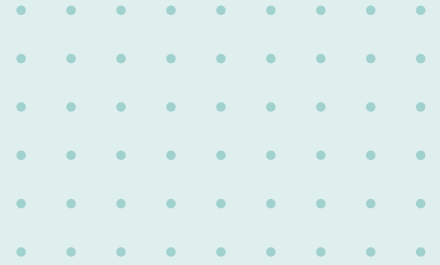


Press Release



PERIVALLON and UnderSec: Two EU Projects Advancing Security

Environmental security, both on land and at sea, is crucial for the health of the planet, humans' prosperity and the ecosystem. Illegal operations like the disposal of hazardous waste or the illegal trade and proliferation of environmentally dangerous materials, pose significant threats. Furthermore, unlawful underwater activities, including the misuse of Chemical/Radiological/Nuclear (CRN) material, pose security risks to ports, maritime infrastructures and coastal facilities.

Recognizing these challenges, two EU projects, PERIVALLON and UnderSec are trying to transform the security landscape, empowering authorities with the tools to safeguard our environment and underwater world.

PERIVALLON

PERIVALLON aims to provide an improved and comprehensive intelligence picture of organized environmental crime. This includes developing effective and efficient tools and solutions for detecting and preventing such types of criminal activities and for assessing their environmental impact, and the insights obtained through the proposed Environmental Crime Observatory. Additionally, law enforcement and border guards, as end users, will benefit from an innovative training curriculum to tackle these criminal activities more effectively. Moreover, improved international cooperation will be facilitated through improved data sharing enabled by blockchain technologies, while improved regulation shaping and tuning will be supported through relevant policy recommendations. PERIVALLON will be validated in field tests and demonstrations in four operational use cases, where extensive training, hands-on experience, joint exercises, and training material will boost the uptake of its tools and technologies.



UnderSec aims to at developing a modular/holistic underwater security system for ships, ports, maritime facilities and infrastructures, integrating multimodal sensors and robotic assets. The UnderSec system will enhance underwater security, through for 24/7 situational awareness, automated potential threats detection, recognition, classification and tracking, alarming and decision-making support to the Users, including response capabilities for ships, ports, and maritime infrastructures. The project will conduct testing and comparative analysis of the developed technologies in a controlled environment, while the system will be tested and evaluated in two-phased demonstrations of real-life scenarios in real operational environment, leading to the generation of new knowledge and innovative solutions.

Collaboration for Enhanced Security


While these projects initially seem to operate in separate domains, they support each other in a holistic approach of security operations. This synergy between the projects lays the groundwork for a more resilient security landscape.


The PERIVALLON-UnderSec collaboration signifies a step forward in environmental and maritime security. By combining their expertise and innovative technologies, these projects pave the way for a safer and more secure future, where our oceans and environment will be better protected.


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