



Introducing UnderSec Project

We are glad to introduce you to a challenging Horizon-RIA Project on Underwater Security!

UnderSec Kickoff Meeting

Maritime security is crucial, ensuring the smooth flow of cargo, passengers, and safeguarding critical maritime installations. On October, 2023, the UnderSec Project partners convened in Munich to officially launch the project activities, marking a significant step towards achieving the integration of advanced technologies and interdisciplinary expertise to enhance situational awareness and response capabilities.



[Read more...](#)

UnderSec participation in the Undersea Defence Technology Conference



[Read more...](#)

OceanScan, a prominent provider of underwater technology solutions and a partner of the UnderSec project, recently presented its cutting-edge innovations as an exhibitor at the prestigious Undersea Defence Technology (UDT) Conference in London. This three-day event, held from April 9th to 11th, 2024, provided a platform for industry leaders, researchers, military personnel, and stakeholders to explore the latest advancements and trends within the undersea defence sector.

The role of maritime security in advancing the Blue Economy

The UnderSec Project was presented at the SEC4BLUEconomy'24 conference, which took place in Athens on April 23, 2024. This conference gathered key stakeholders to discuss the essential role of maritime security in advancing the Blue Economy. Sponsored by UNIWA, the conference aimed to raise awareness of facts and trends in maritime security and it was an opportunity to showcase the innovative solutions and capabilities of the UnderSec Project.



[Read more...](#)

Our Brochure

The project in brief
Ships, maritime infrastructures and the whole marine ecosystem need to be sufficiently protected against possible illegal acts, by also fostering underwater security and assuring secure navigation. UnderSec is dedicated to enhancing maritime and underwater security. The project involves a consortium of experts, research institutions, and technology partners, aiming to develop a comprehensive underwater security solution.

The objective
UnderSec aims to develop a comprehensive underwater security system for maritime assets and infrastructures using multimodal sensors and robotic assets.

The technical framework
The UnderSec system employs a layer-based approach, comprising "horizontal" Layers of Protection Technologies and "vertical" Layers of Data Management and Exploitation. The former organises components for specific underwater security tasks, while the latter ensures proper data management, governance, analysis, and exploitation.

The Pilots

UnderSec relies on four Real-World Pilot Use Cases (PUC) scenarios that will be the basis for the demonstration, testing and evaluation of all UnderSec system's capabilities and capacities.

Check the Project's brochure that summarises our challenges...

[Download it here](#)

Next Events

2024

June 4th/5th

[15th NMIOTC Anniversary Annual Conference](#) - Crete, Greece: "Risks and Challenges in a Dynamic Maritime Domain; Strategy Adaptations, Technology Innovations and the Operational Landscape of the Future"

June 25th/26th

[Project to Policy Seminar \(PPS\)](#), Brussels, Belgium: promoted by REA to raise awareness of newly funded REA research projects fostering collaboration among projects, policy makers, and also to understand how to best support the EU in depicting policies

October 22nd

[UnderSec Workshop](#): to facilitate our UnderSec project dissemination and knowledge sharing activities with NMIOTC close collaborators (i.e. European Defence and Security College), highlighting the added value of UnderSec system in the Underwater Maritime Security domain and particularly the harbour protection.



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