

Cyber-MAR FACT SHEET

Description

The maritime sector remains one of the most important financial sectors for the European economy. At the international level, the maritime domain is in full growth and sustains a worldwide economy of 1,5 trillion euros. At the European level, harbours are the continent's gateways: 74% of the goods from outside the Union come in through harbours. The growing digitization of the naval systems increases the attack surface of maritime information systems. Maritime information systems, whether on board of ships or in ports, are numerous, built with standard components available on the market and in many cases designed without accounting for the cyber risk, which is ever-growing. Digital infrastructure has become essential to the operation and management of numerous systems critical to the safety and security of shipping and ports. Despite the fact that cyber risk management is encouraged to be followed by competent authorities, there is still large room for improvement. The importance of handling cyber preparedness as a highly prioritized aspect is paramount. Furthermore, estimating accurately cybersecurity investments based on valid risk and econometric models remains a challenge in a sector which traditionally keeps well-established channels with the insurance industry.



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Cyber-MAR constitutes an opportunity to fully unlock the value of the use of cyber range in the maritime logistics value chain via the development of an innovative simulation environment adapting in the peculiarities of the maritime sector, but being at the same time easily applicable in other transport subsectors. A combination of innovative technologies are the technology enablers of the proposed Cyber-MAR platform, which is not only a knowledge-based platform, but more importantly a decision support tool to cybersecurity measures, by deploying novel risk analysis and econometric models. CSIRTs/CERTs data collected will be analyzed and feed the knowledge-based platform with new-targeted scenarios and exercises. Through Cyber-MAR, the maritime logistics value chain actors will increase their cyber-awareness level; they will validate their business continuity management minimizing business disruption potential. Cyber-MAR will act as a cost-efficient training solution covering the maritime logistics value chain.

At a glance

Name: Cyber preparedness actions for a holistic approach and awareness raising in the MARitime logistics supply chain

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Topic(s): [SU-DS01-2018](#) – Cybersecurity preparedness-cyber range, simulation and economics

Coordinated by: Institute of Communication and Computer Systems (ICCS), Greece

Consortium



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