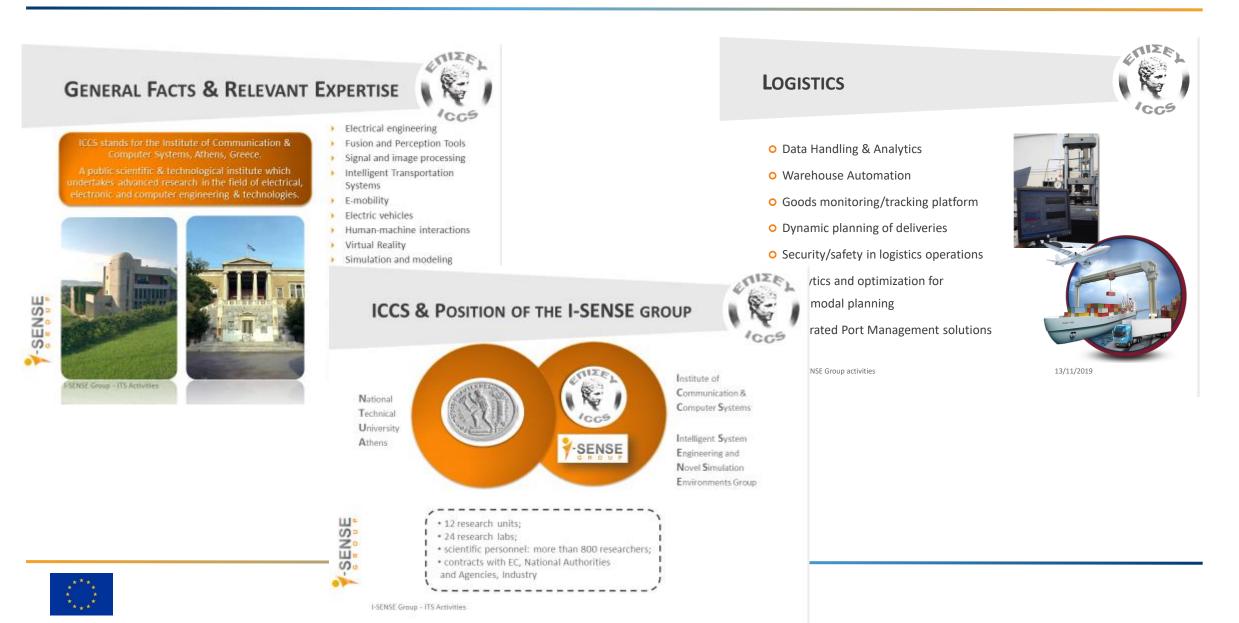
Cyber MAR 1101 Cyber preparedness actions for a holistic approach and 110111 awareness raising in the MARitime logistics supply chain (Cyber-MAR) Giannis Karaseitanidis, I-SENSE/ICCS

#### Who we are?







# #Maritime industry is easy meat for #cyber criminals







# Cyber-MAR at a glance



Cyber-MAR takes advantage of cyber range environment and adopts a three-tiered approach targeting at:

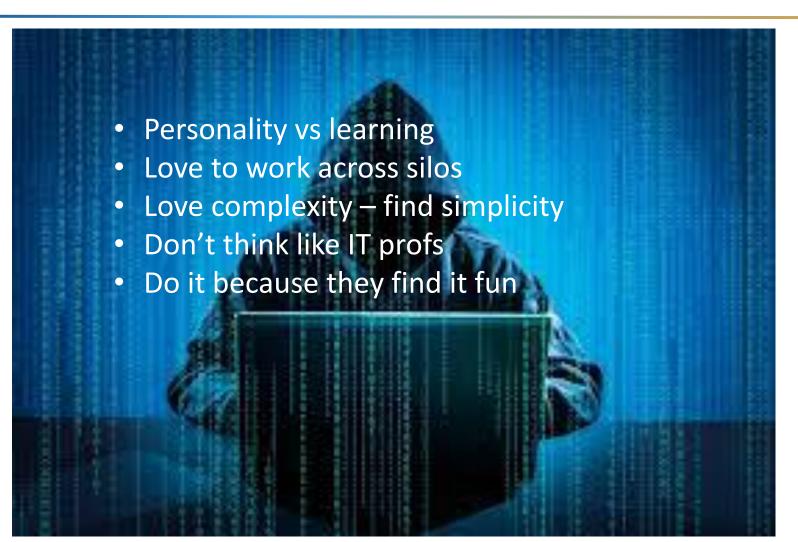
- People: Continuous training through involvement in pilots, training sessions and familiarised with Cyber-MAR platform
- Technologies: Test technologies and identify complex vulnerabilities
- **Procedures:** Uncover areas for improvement and deficiencies in current procedures followed





### Responding to new kind of threats









#### Short Term

- 1. Response time metrics, including mean time to incident discovery and mean time to patch improved by at least 5%.
- 2. Cyber-MAR platform is security-vendor agnostic
- **3.** Increased interconnection and interoperability
- 4. Standardisation and dissemination to the CSIRTs network
- 5. Use of available historical data (evidence-based) of cyber-security attacks and data privacy breaches
- 6. Econometric model for quantifying the impact from cyber-attack of ports.
- 7. Flexible hybrid solution for mixing virtual and physical (real) IT components of an organisation and assessing their joint/integrated response and resilience to cyber-attacks and privacy breaches





- 1. Decision Makers / Public Authorities
- 2. Port Authorities / Shipping operators / Freight transport / Logistics actors
- **3.** CERT/CSIRTs network
- 4. European and international organizations for cyber security
- **5.** Insurance companies
- 6. Academic and scientific actors
- 7. EU Cyber security Projects



## Cyber-security in the new era





Assets	Data	People & Environment
Threats	Availability Confidentiality Integrity	Resilience Privacy Safety
Goal	Liability	Growth
Orientation	Compliance	Trust
Approach	Reactive (preventive)	Proactive (event driven)
Players	Local	Across lines of Business
Change	Technology	Process/Culture Change





O1. Enhance capabilities of cybersecurity professionals and raise awareness on cyber-risks

O2. Assess cyber-risks for operational technologies (OT)

O3. Quantify the economic impact of cyber-attacks across different industries with a focus on port disruption

O4. Promote cyber-insurance market maturity in the maritime logistics sector (adaptable to other transport sectors as well)

O5. Establish and extend CERTs/CSIRTs, competent authorities and relevant actors collaboration and engagement





Name: **Cyber** preparedness actions for a holistic approach and awareness raising in the **MAR**itime logistics supply

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