

DANUBE COMMISSION
Expert Meeting on the Development of Ports and Port Operations

Cybersecurity & security for inland Ports – Good practices and lessons to learn from the example of HAROPA Port



HAROPA
PORT Le Havre
Rouen
Paris

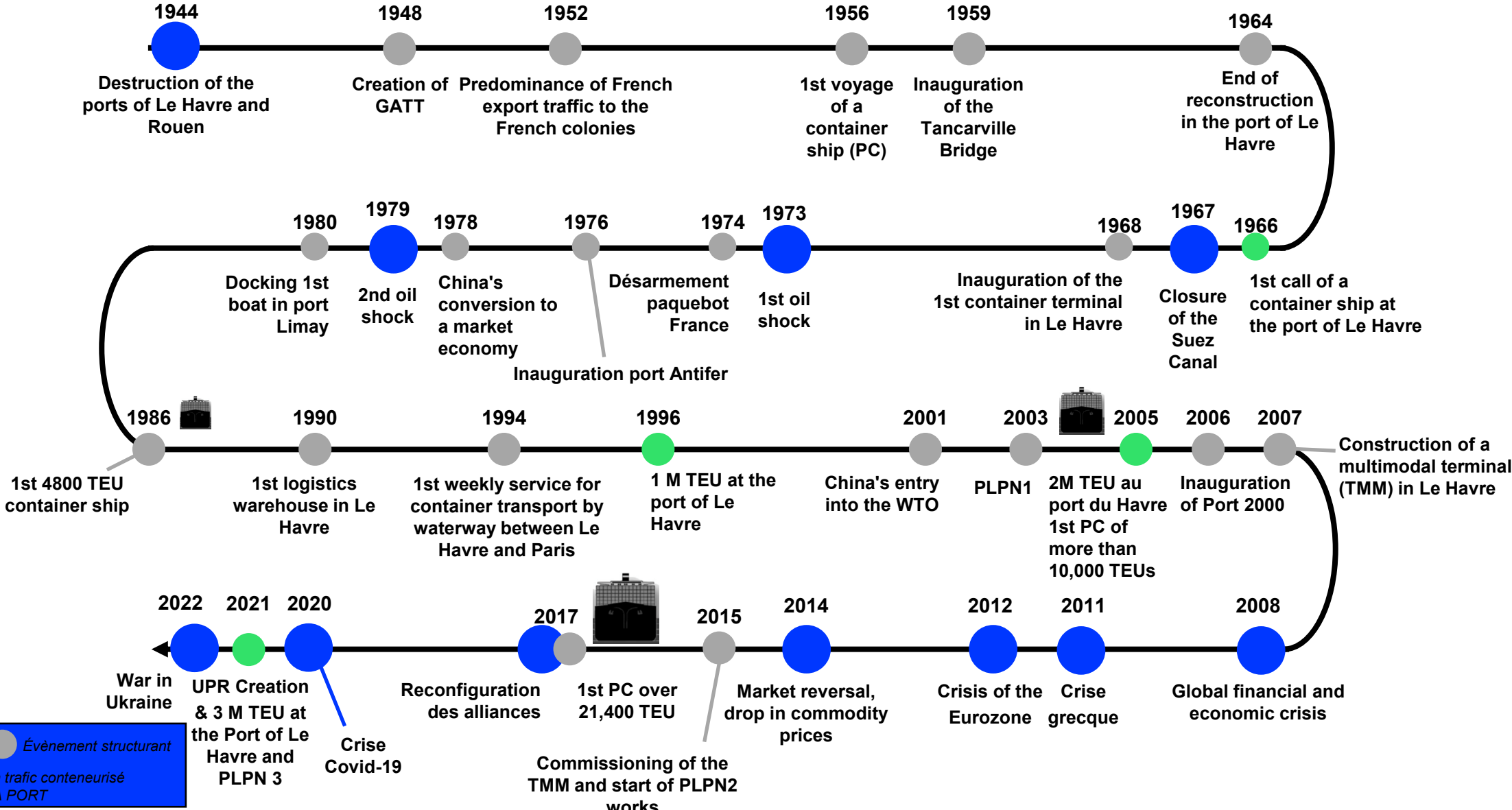


Tommaso Spanevello

23rd April 2026, Ruse (BG)



The evolution of the Seine Valley since 1944



● Crise
● Événement structurant
● Évolution trafic conteneurisé HAROPA PORT

Le Havre

Port of call for the world's largest container vessels

Maritime gateway

Rouen

Port specialized in breakbulk and dry bulk

#1 port for grain in Western Europe

Paris

6 multimodal platforms and 70 urban ports operational

Spearhead of last-mile logistics

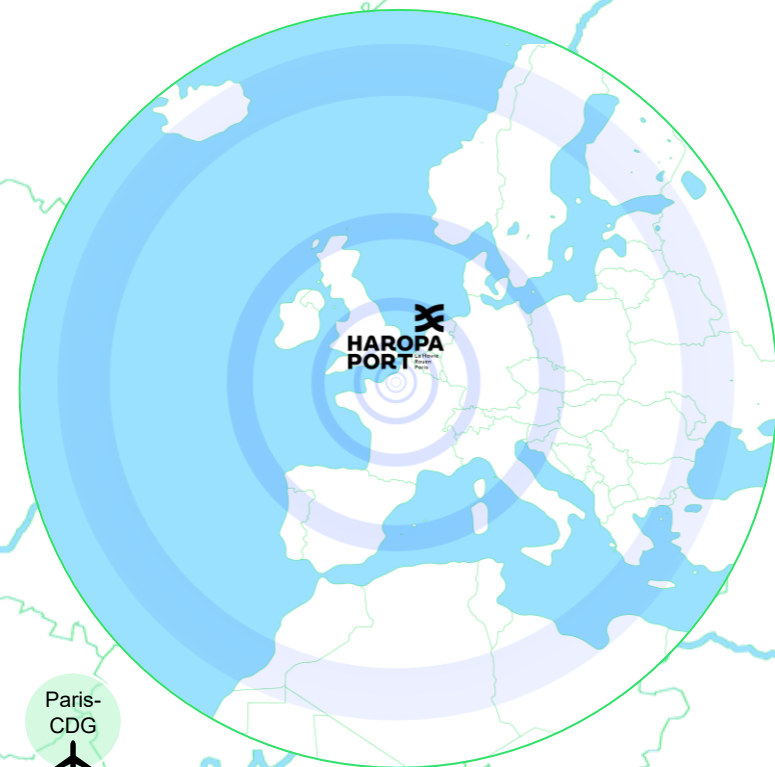
Paris-CDG



Paris-Orly



RUNGIS
WORLD'S LARGEST FRESH PRODUCE MARKET



84.7 Mt + **25,5 Mt**

of maritime traffic

of river traffic

#1st port of France
+2% vs. 2024

#1st inland port of France
+1% vs. 2024

3.2 M TEUs

of maritime containers

#9th European port
+4% vs. 2024

2025 figures

HAROPA PORT,
the **single** port authority of the Seine corridor

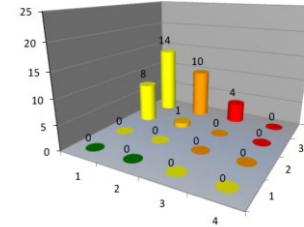
CYMPATI : “Port, Maritime and Industrial Cybersecurity Platform” Project

A port community cyber-defence strategy

Smart Port City
program

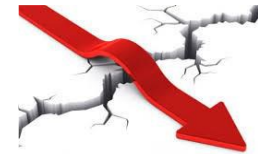


- Defining/carrying out a resilience strategy together (Governance)
- Community concern (Understanding / Involvement)
- Methodology (Risk analysis, KPIs...)
- Prepare rather than react
- Pooling knowledge and skills
- Sharing information and experience
- Analyse / Experience feedback / Exercises
- Agility of the approach



ISO 28000

Supply Chain Security Management



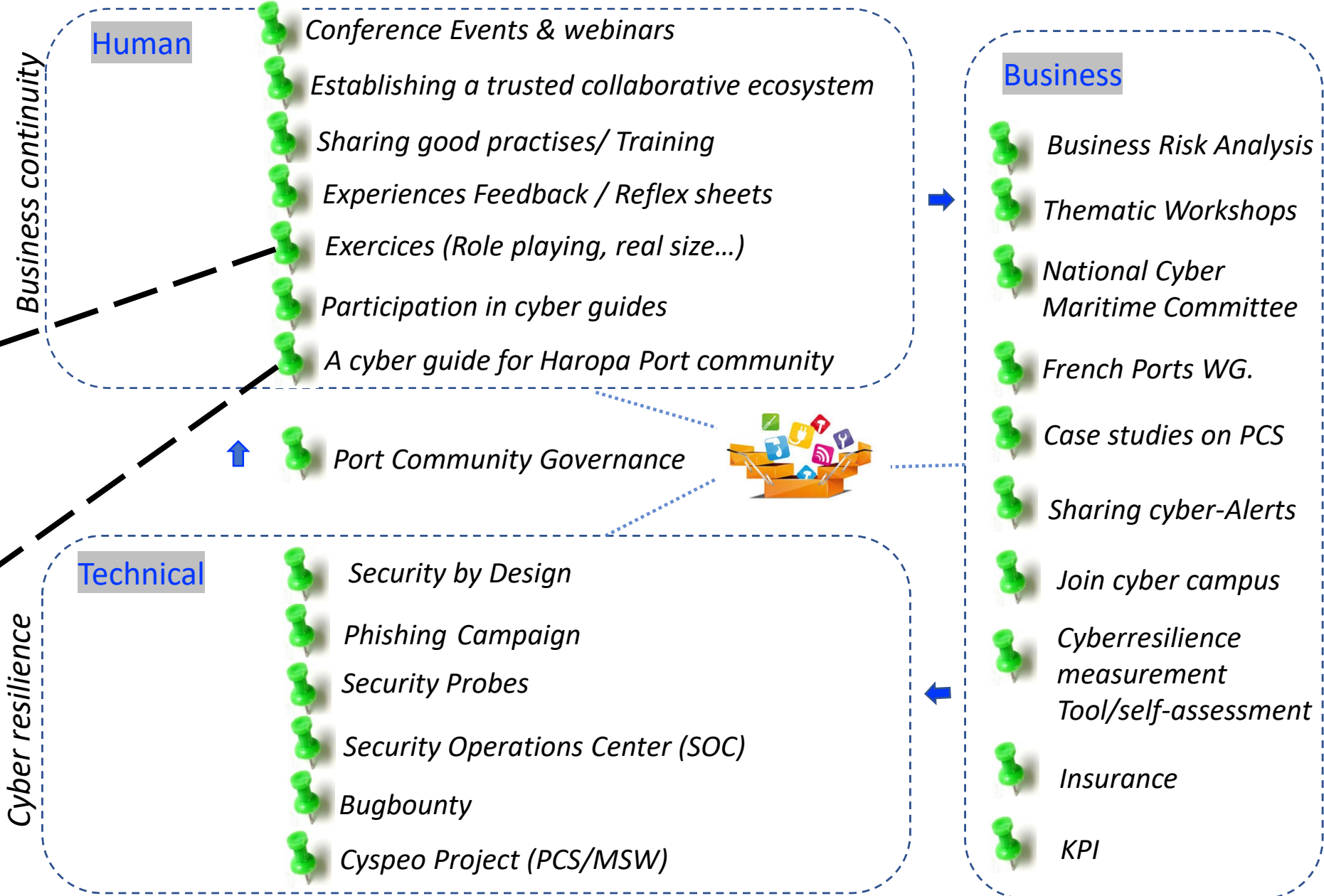
Needs / Assets
Risk
Crisis Management
Resilience
Methodology
Services Catalogue



Building a community
for Cybersecurity



Cympati project - Phase 1 : main achievements



Cympati Project – Phase 2

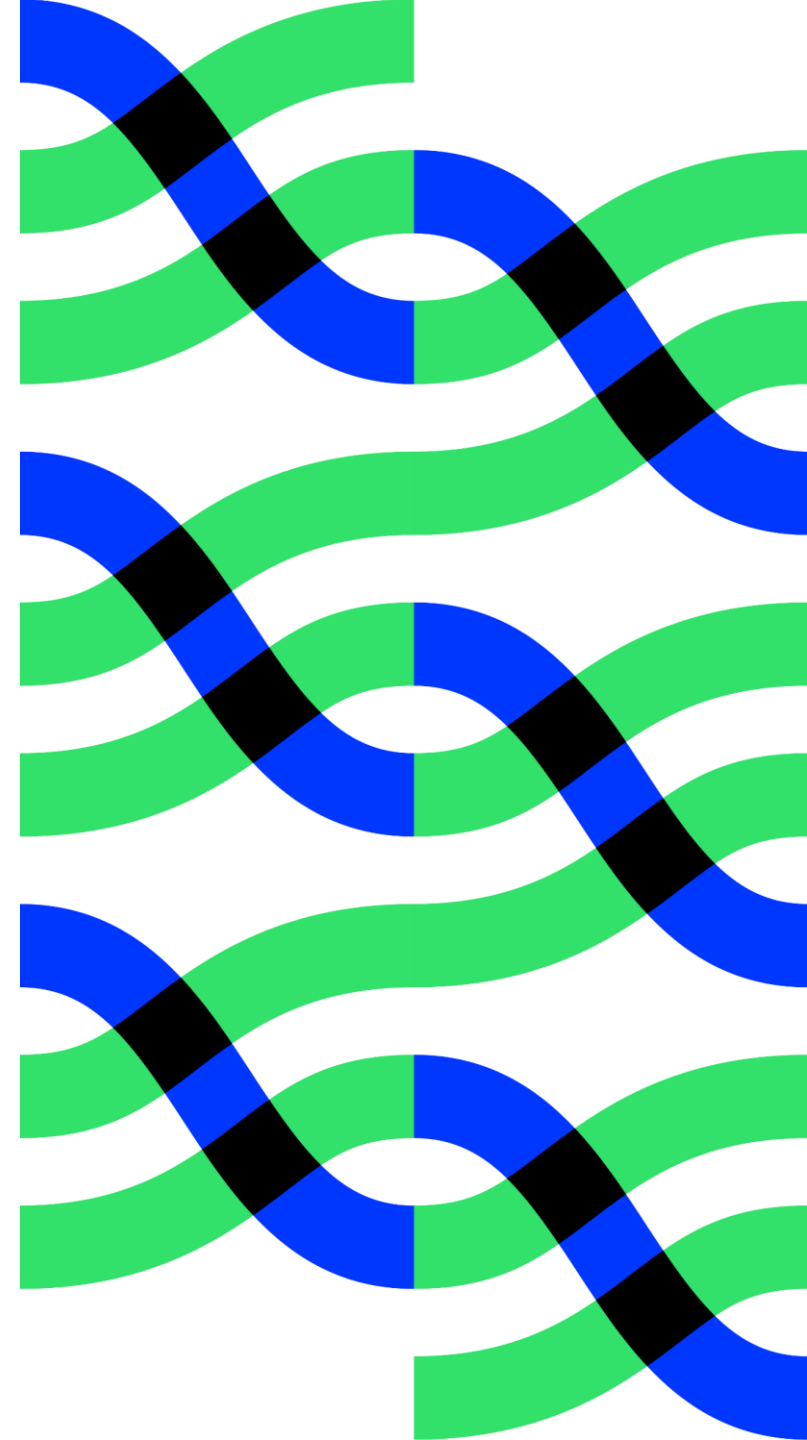
- **Broader Territory Perimeter:**
 - **Seine Axis:** Awareness and consciousness
 - **Community Mobilization:** Addressing long-term issues (4 port communities)
 - **Creating a Circle of Trust:** Sharing relevant information in the event of a cyber incident over a large territory
- **Cooperation Between Ports:**
 - **French Ports:** National sovereignty
 - **International Collaboration:** Enhancing cyber resilience of the supply chain through cooperation between international ports
 - **ISAC (Information Sharing and Analysis Center):**
 - Connecting ports
 - Automatically sharing threats
- **Cybersecurity Framework:**
 - **Standardization:** Establishing cyber norms to strengthen security on PCS and MSW



Developing collective awareness across the whole Seine axis (1/2)



- ❑ Launched for the first time by HAROPA PORT and Seine Port Union in 2023.
- ❑ The first cyber guide for the industrial-port sites along the entire Seine axis, from Le Havre to Paris.
- ❑ To support a collective awareness-raising initiative for professionals in the field of cybersecurity.
- ❑ To help security managers of the port infrastructure along the Seine axis and their partners understand the cyber threats they face, as well as adopt the necessary measures to protect their systems and sensitive data.



Developing collective awareness across the whole Seine axis (2/2)



2023

- First Cyber Guide across the whole Seine axis from Le Havre to Paris.



2025

- Organisation of the 1st Summit « *Matinale Cybersécurité* » entre le Port et les acteurs industriels.



2026

- Together with ANSSI, ongoing work to update the Cyber Guide, expanding the river-focused chapters.



June 2026

- Organisation of the event « *Escale Cyber* », addressed to the economic actors in the Seine axis.

Strengthening ties – Strengthening (cyber) resilience



Since 2025, HAROPA PORT has been a member of the **France Cyber Maritime** association.

This collaboration enables us to benefit from the expertise of the M-CERT (*Maritime Computer Emergency Response Team*), the national center responsible for monitoring, analyzing, and sharing information on maritime and port cybersecurity.

- Strengthen protection measures through regular security audits.
- Develop innovative technological solutions to anticipate cyber threats.



HAROPA PORT is a member of **Campus Cyber**, the national cybersecurity totem that brings together key players in the field (companies, government services, training organizations, researchers°).

- Unite the cybersecurity community and strengthen control over digital risks;
- Develop synergies among these stakeholders to steer technological innovation;
- Support training initiatives to upskill the entire ecosystem.

- ❑ HAROPA PORT participated in the drafting of the **IAPH Guide** “*on the cyber impact of emerging technologies in the maritime supply chain*”.
- ❑ The Guide was presented at the IAPH Annual Congress in 2025 in Kobe, Japan.
- ❑ Topics covered: Quantum; Artificial Intelligence (AI); Drones; Internet of Things (IoT) ; 5G; Automation.



Thank you for your attention !

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Connection makers

