Ongoing work and key challenges for the sustainable development of ports

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international association
of ports and harbors

The Port Conference, Kristiansand

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Overview
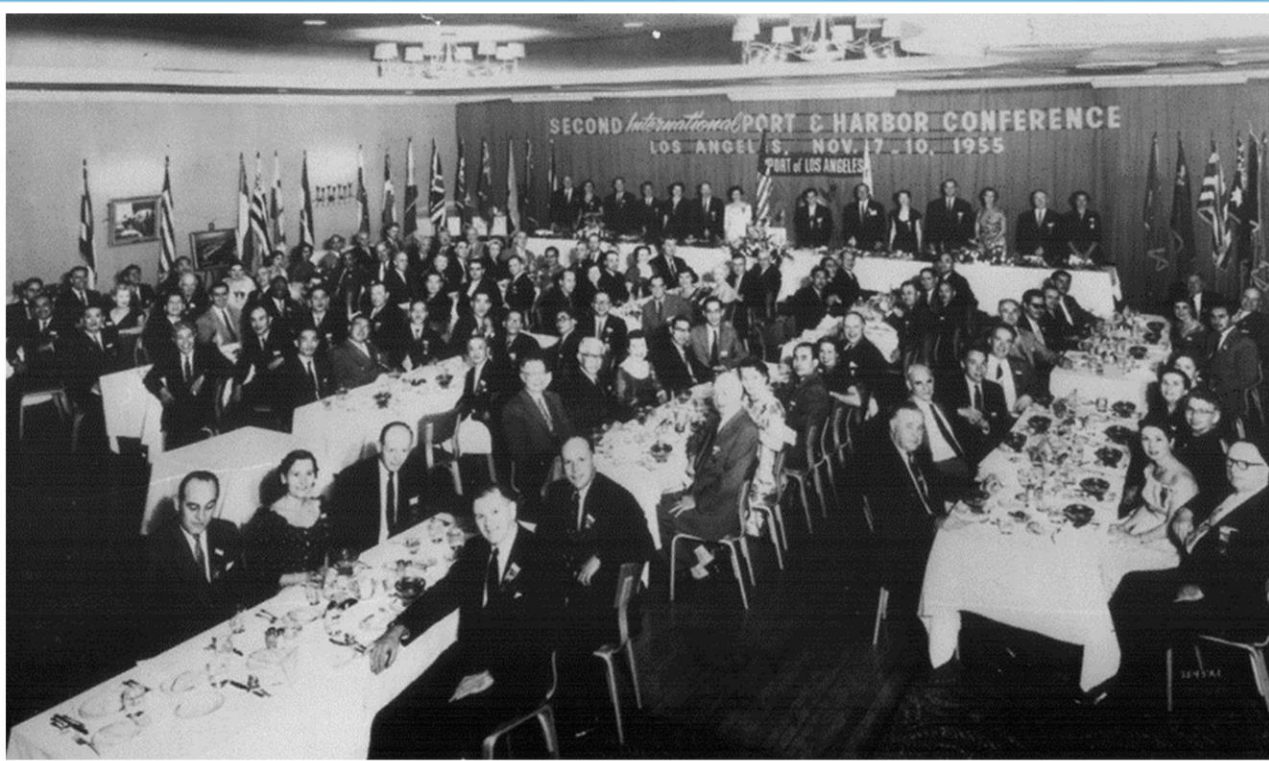
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Founded in1955, IAPH is the global port alliance, representing today around 170 port regular members and 126 associate members linked to ports in 87 countries. Together, IAPH port members handle more than one third of global maritime traffic and more than 60% of container traffic.

IAPH has a consultative status and represents the interests of world ports at IMO and additional UN agencies such as such as the ILO, UNCITRAL, UNCTAD (UN Conference on Trade and Development), UNEP (UN Environment Program) and the UN Global Compact.

IAPH works closely with the World Bank, and World Customs Organization, the Global Maritime Forum, and World Economic Forum.

Three strategic focus areas: Climate and Energy, Data Collaboration, Risk and Resilience
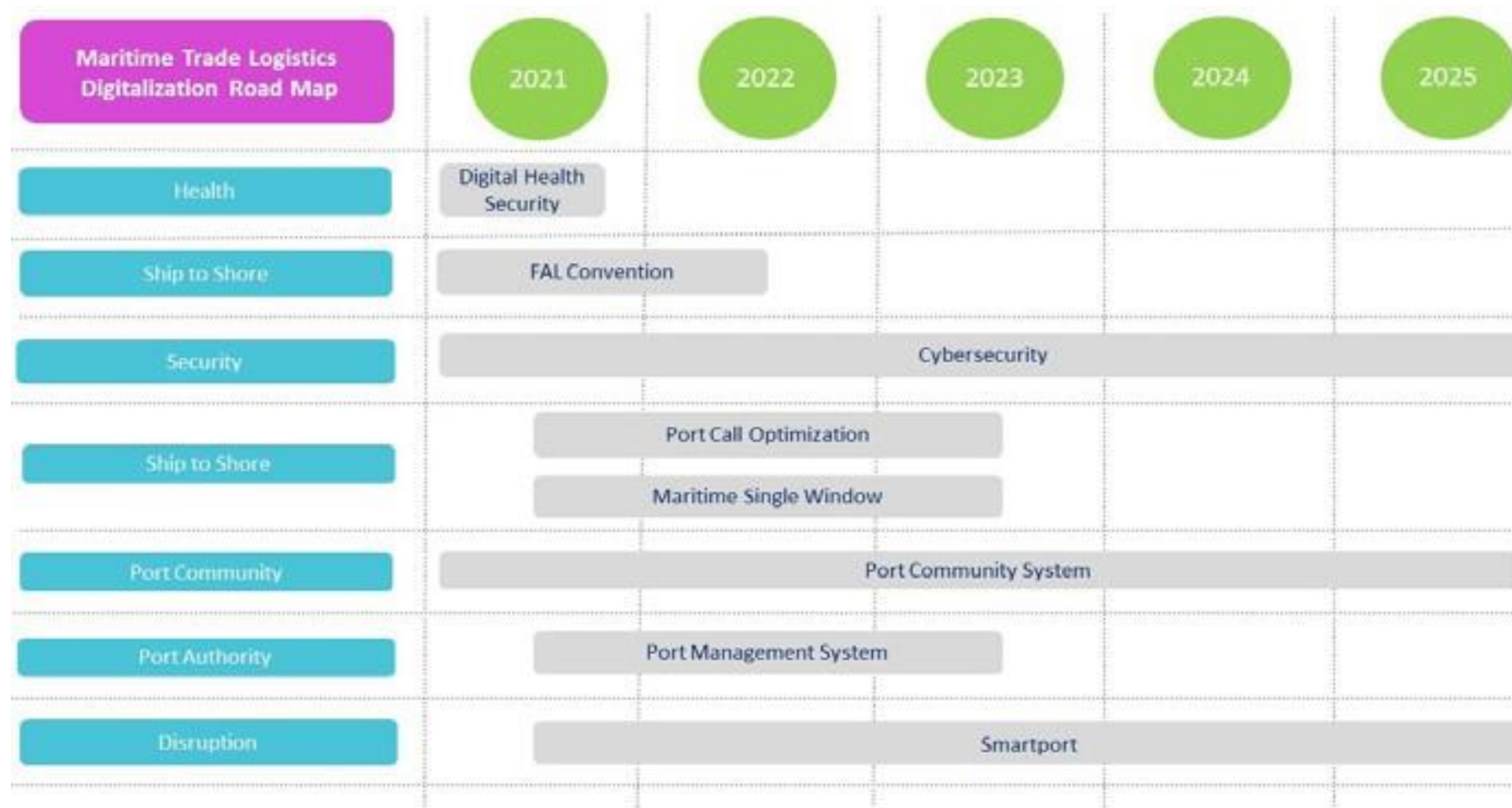
Ports as decarbonisation hubs

1 Electrification of port-connected activities

2 Fuel switch for maritime transport

3 Electrification of industry

4 Integration of offshore wind

5 Energy system integration

6 Hydrogen as feedstock and energy vector

7 Phase-out of fossil fuelled power plants

8 Carbon capture and storage

9 New regulations

10 Circular and bio-based economy

Source: DNV-GL and Eurelectric (2020)

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Maritime Trade Logistics Digitalization Road Map

	2021	2022	2023	2024	2025
Health	Digital Health Security				
Ship to Shore	FAL Convention				
Security		Cybersecurity			
Ship to Shore		Port Call Optimization			
		Maritime Single Window			
Port Community		Port Community System			
Port Authority		Port Management System			
Disruption		Smartport			

Source: World Bank / IAPH 2021

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Increasing resilience potential

Monitor
- Understanding what is going on around us
- The situational awareness
- Short term

Anticipate
- Understanding what is going to come
- Imagining the possibilities
- Long term

Learn
- Learning from inside and outside
- First order learning
- Second order learning

Respond
- Relevant and effective
- Timely but only when necessary
- Competencies and resources

Source: Vanlaer 2021

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World Ports Sustainability Program

Mission : To integrate the 17 UN SDGs in port governance
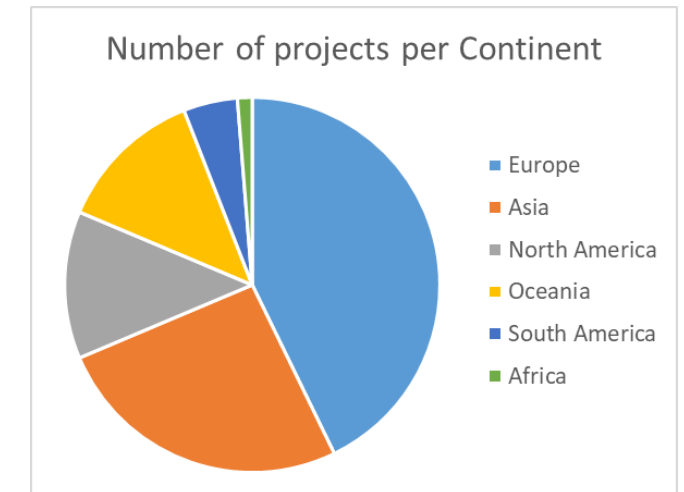

www.sustainableworldports.org

WPSP Database of sustainability projects

- ✓ **240 projects**
- ✓ **110 ports**
- ✓ **47 countries**

Number of projects per Continent

- Europe
- Asia
- North America
- Oceania
- South America
- Africa

sustainableworldports.org/portfolio/type/port-projects/

WPSP
WORLD PORTS SUSTAINABILITY PROGRAM
www.sustainableworldports.org

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Port Endeavor: a port journey to SDGs

- Knowledge base concept was created at a joint UNCTAD-IAPH workshop in Geneva HQ in April 2019

- Blueprint of ports' contribution to each of the 17 SDGs

- Development game dynamics and content by IAPH and experts from Port of Antwerp Bruges

- Real life examples from the WPSP database of 240+ projects and best practices from 110 ports from 38 countries

- Offered in partnership with: APEC – Antwerp & Flanders Port Training Centre and UNCTAD TrainForTrade

https://sustainableworldports.org/iaph-launches-port-endeavor-game-to-share-port-projects-applying-un-sustainable-development-goals-in-practice/

Conclusions / reflections

- Decarbonisation ambitions are increasing, leading to regional disparities amidst uncertainty about fuel choice and funding. Ensuring a just and equitable transition is key to unlock the discussion at IMO.
- Digitalisation of the maritime sector is lagging behind, lack of trust between stakeholders in data sharing is the prime barrier.
- Disruption is becoming 'business as usual'. Resilience management and business continuity planning are a must for critical infrastructures such as ports.
- IAPH is targeting an integrated approach to sustainability through WPSP and its ongoing initiatives – Join us in this effort!

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Thank you!

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