Business as unusual:
the global landscape and the role of ports

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international association
of ports and harbors

Ports Australia Biennial Conference – 31 August 2022

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'I'll have my usual —
whatever that was'

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: Risk and Resilience, Data Collaboration, Climate and Energy
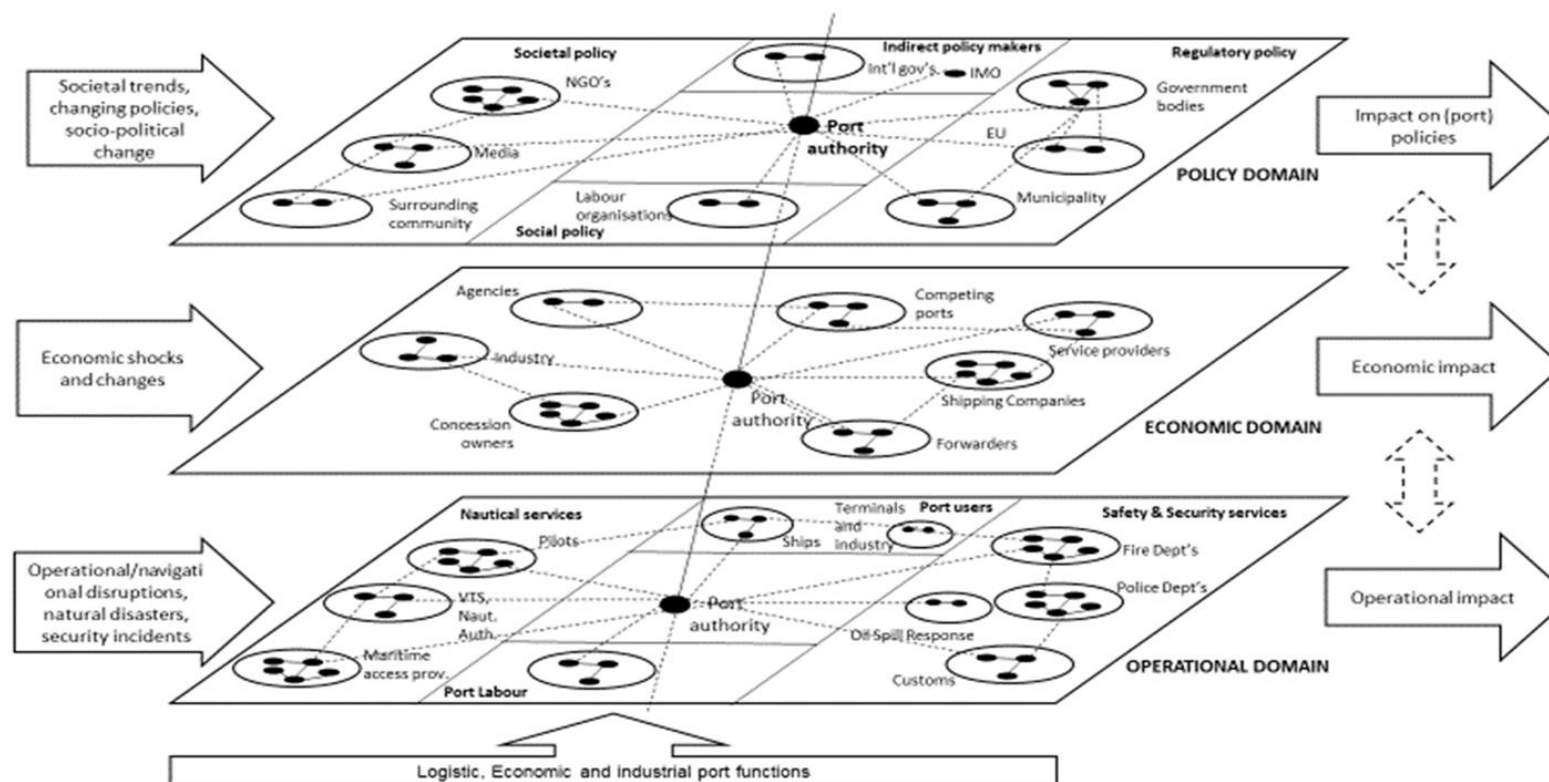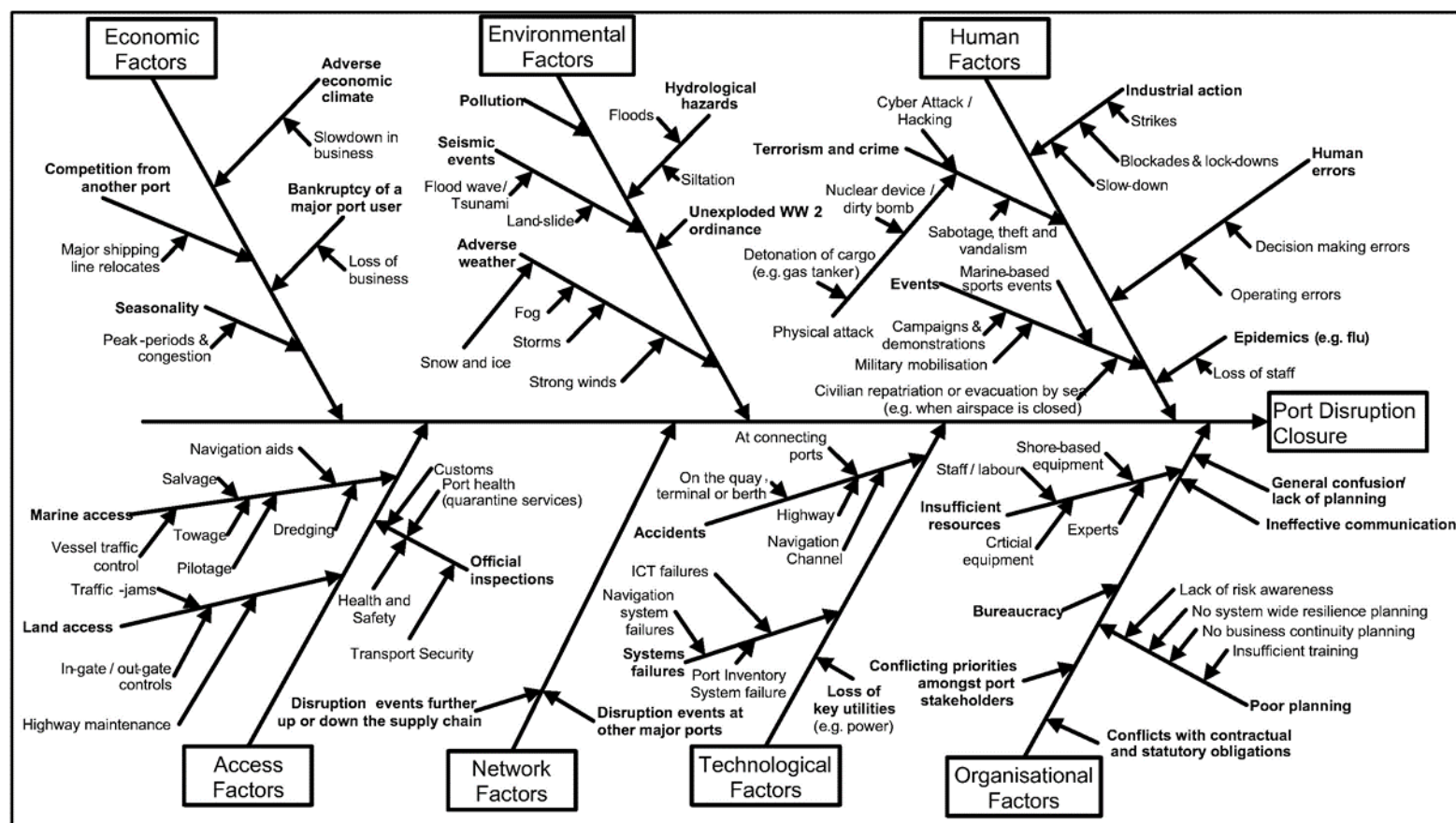
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Port ecosystem in relation to adversities

Source: Vanlaer 2021

Causes of port disruption

Source: Vanlaer 2021

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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How would you describe the status of implementing electronic data exchange at your port(s) following the IMO FAL requirement?

Answer choices	Responses %	Responses actual
No action yet / inception stage	31.53%	35
Design stage	17.12%	19
Implementation stage	17.12%	19
Operational stage	34.23%	38
TOTAL		111

Source: IAPH 2021

Source: World Bank / IAPH 2021

	Road	Rail	Waterborne	Air
Hardware Infrastructure	High Infrastructure Quality	Keeping Track with Main Network	Shore Control Centers	Aerial Corridors/ Flight Zones
	Sufficient Road Markings		Auto-Mooring Facilities	Framework for New Services
Digital Infrastructure	Sensor Technology	Sensor Technology	Sensor Technology	Safe Navigation Systems
	HD Maps	Data Transmission Systems	HD Maps	Data Transmission Systems
	Data Transmission Systems		Data Transmission Systems	

Source: Frauenhofer / Hamburg Port Authority / IAPH 2019
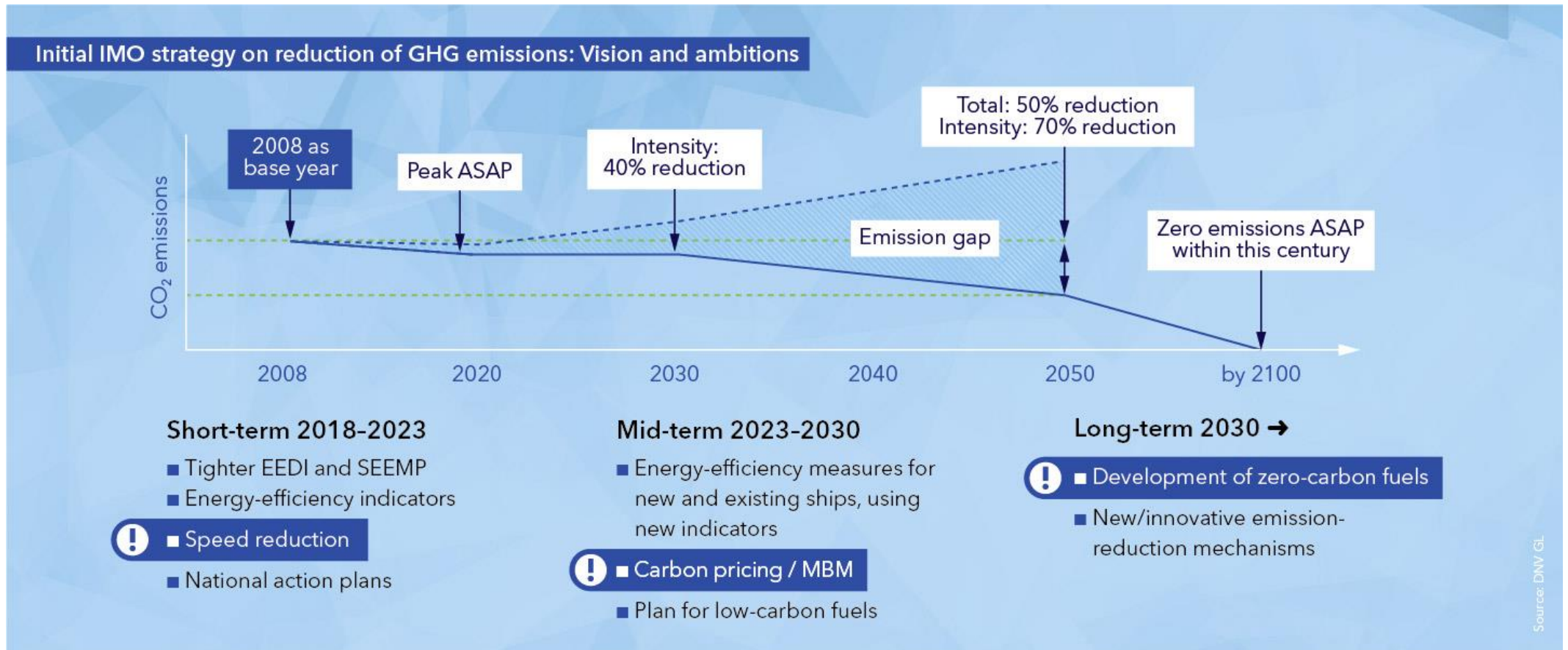
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Ports as decarbonisation hubs

Source: DNV-GL and Eurelectric (2020)

Source: DNV GL 2020

Indicative status of key barriers for selected alternative fuels in 2020

Source: DNV-GL (2020)

'Closing The Gaps' – World Ports Conference 2022

World Ports Sustainability Program

www.sustainableworldports.org

Mission : To integrate the 17 UN SDGs in port governance

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
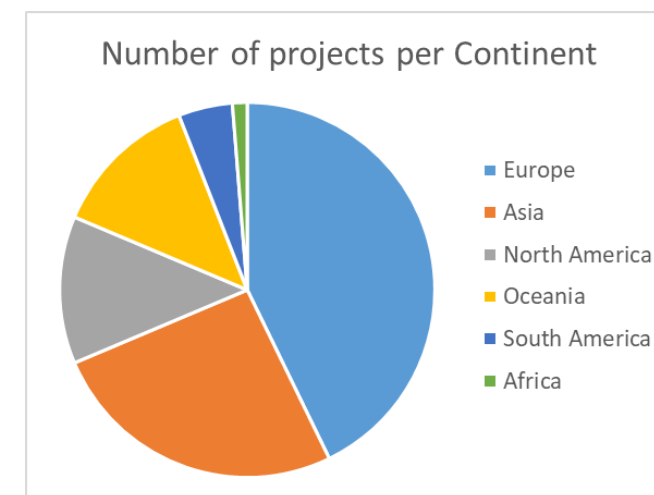
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IAPH Sustainability Awards – 2022 winners

#IAPH2022 SUSTAINABILITY AWARDS FINALISTS

CLIMATE & ENERGY

- **Fiji Ports** - Green Port Initiative
- **Port of Colombo** - GHG Emission Reduction Project
- **DP World Posorja** - Mangrove Reforestation Project

DIGITALIZATION

- **Collaborative project** - MAREMIS
- **Port of Antwerp** - Automated drones to prevent pollution
- **Collaborative project** - PASSport

ENVIRONMENTAL CARE

- **Port of Seattle** - Ocean Acidification Action Plan
- **Port of Tacoma** - Lower Wapato Creek Habitat Project
- **Hamburg Port Authority** - SeaClear Project

HEALTH SAFETY & SECURITY

- **Port of Montreal** - CargO2ai
- **Port of Amsterdam** - Multi fuel Port / Spatial Safety
- **Northport (Malaysia) Bhd** - Journey towards HSE excellence

INFRASTRUCTURE

- **Port of Rotterdam** - Flood Risk Management Programme
- **Port of Vigo** - Living Ports
- **Vancouver Fraser Port Authority** - Maplewood Marine Restoration Project

COMMUNITY BUILDING

- **Solomon Islands Ports Authority** - Renewable Energy for a Sustainable Community
- **Freeport of Riga Authority** - Ghetto Games street sports and culture movement
- **Johor Port Authority** - Community Empowerment through Science and Research

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 and reflections

- Disruption is becoming 'business as usual'. Resilience management and business continuity planning are a must for critical infrastructures such as ports.
- Digitalisation of the maritime sector is lagging behind, lack of trust between stakeholders in data sharing is the prime barrier to overcome.
- 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.
- Energy transition offers multiple opportunities for ports, certainly for those that are in energy trade.
- IAPH is targeting an integrated approach to sustainability through WPSP and its ongoing initiatives – Join us in this effort!

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- Will globalisation make (some) way for regionalisation? How will this affect supply chains?
- Is the economies-of-scale business model of global shipping and logistics still valid?
- Has the landlord port governance model reached its expiration date? Should port authorities become more entrepreneurial?
- Has the single-port governance model reached its limits? Will we see more far-reaching forms of cooperation?
- Are port labour arrangements adapted to the digital and automated era?
- Is there a need for global regulation of the port sector?

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Thank you!

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