

IAPH Technical Committees

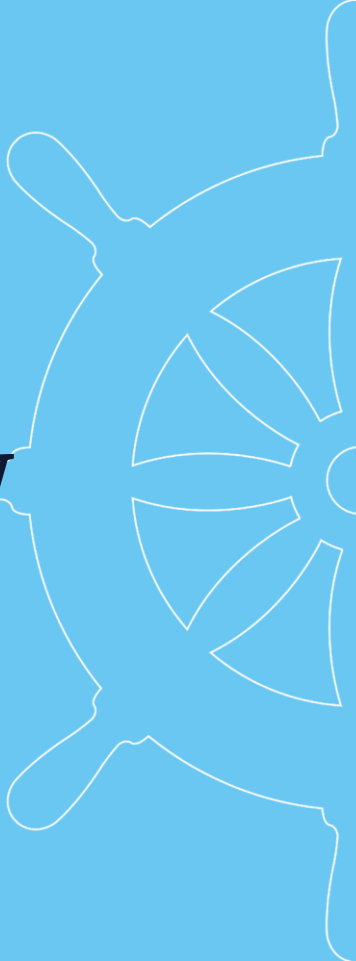
Patrick Verhoeven

IAPH Japan Seminar

Tokyo, 18 September 2026



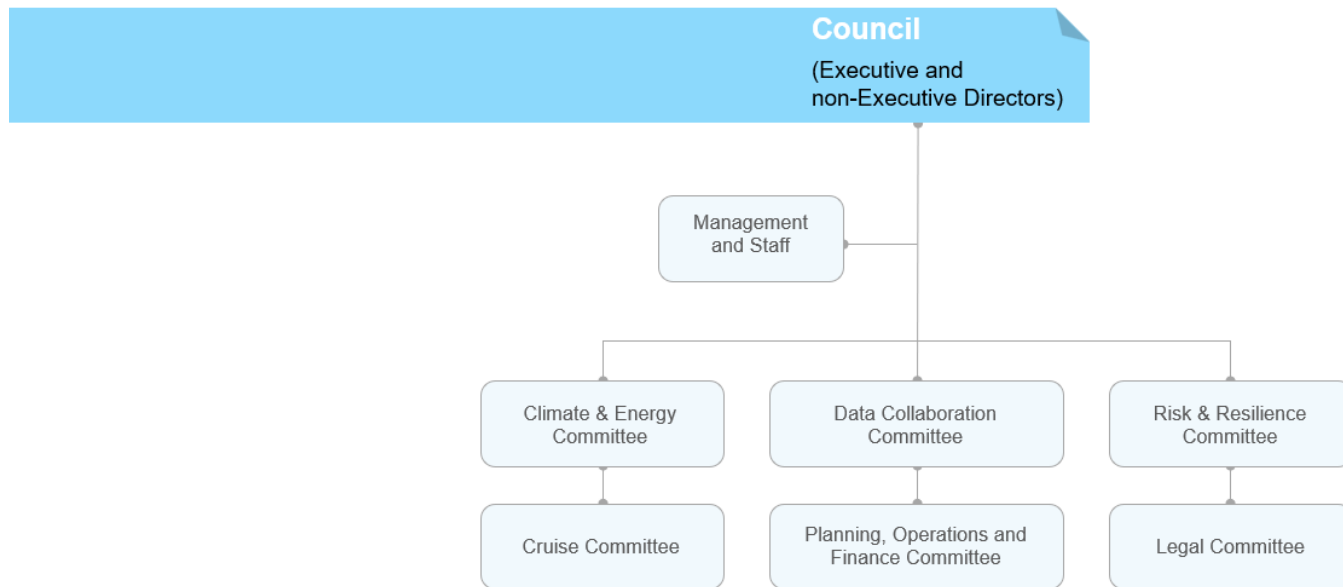
Overview



1. Introduction
2. Climate and energy
3. Data collaboration
4. Risk and resilience
5. Cruise
6. Planning, operations & finance
7. World Ports Sustainability Program



1. Introduction





Climate & Energy Committee

Chair: Edvard Molitor (Port of Gothenburg)

Vice-chair:
Sarah Ogier
(Port of Seattle)



Data Collaboration Committee

Chair: Ingrid Boqué (Port of Barcelona)

Vice-chair:
Gadi Benmoshe
(Marinovators)



Risk & Resilience Committee

Chair: Niels Vanlaer (Port of Antwerp-Bruges)

Vice-chair:
Fabian Steinmann
(Cranfield University)



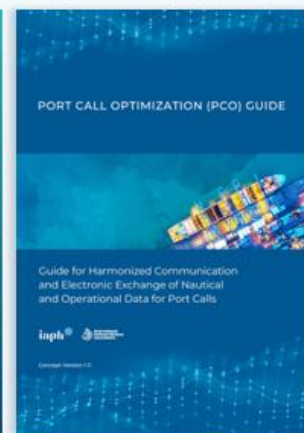
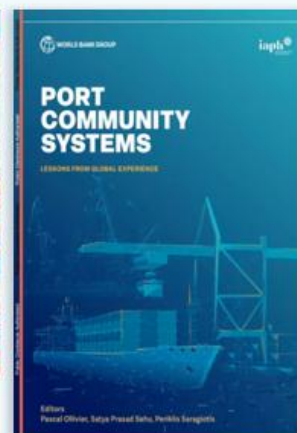
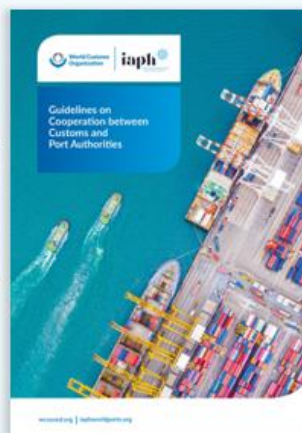
Planning, Operations & Finance Committee

Chair: Ichio Motono
(Yokohama Port Corporation)



Cruise Committee

Chair: Simone Maraschi
(Hamburg Cruise Gate)



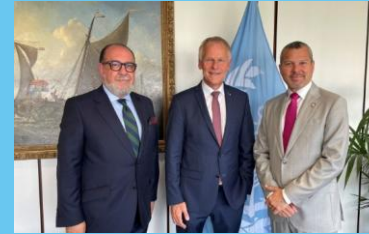
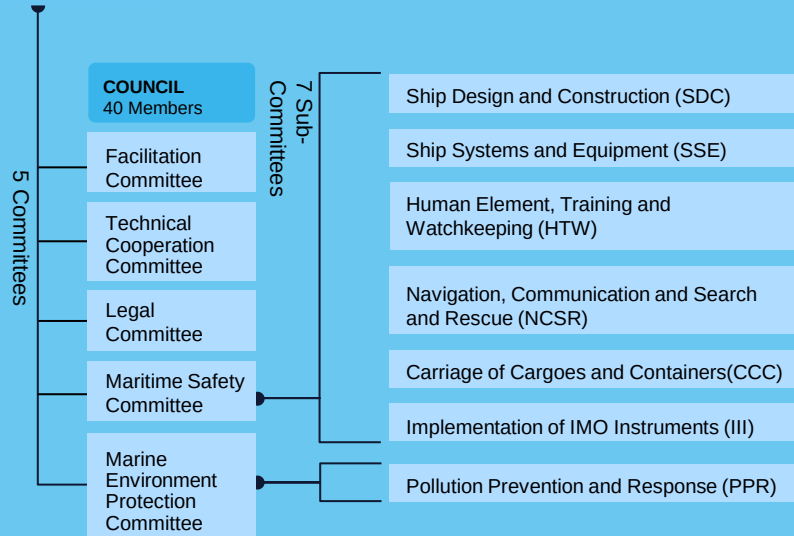


IAPH Technical Committee Days – Singapore, 22-24 April 2026



ASSEMBLY

176 Member States
3 Associate Members





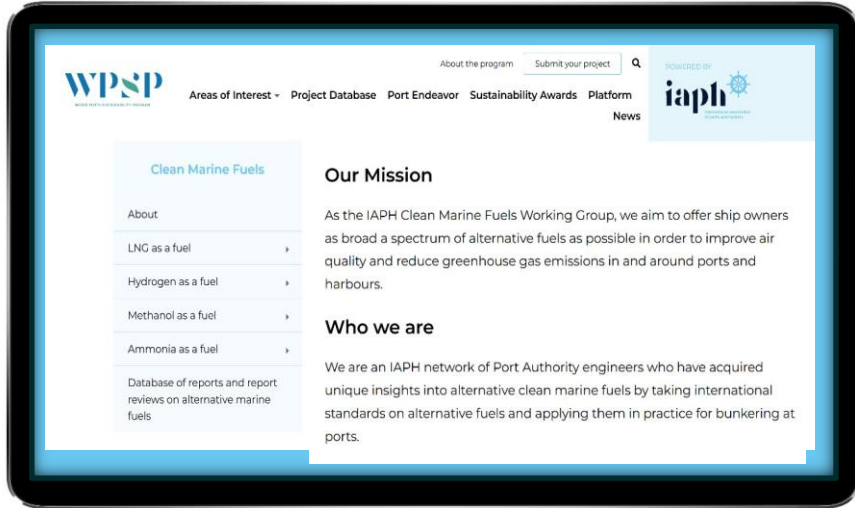
2. Climate and energy

- IMO agenda on GHG emissions from ships
- Transition to ESI 2.0
- Completion of the CMF new fuels safety toolkit
- Further development of the PRL-MF toolkit (PRL bunkering, PRL call, PRL commodities)
- Coordinated contribution to the CEM Hubs
- Guidance and dissemination pillar of the OPS Working Group
- New work streams on Onboard Carbon Capture and NOx emissions from vessels





www.environmentalshipindex.org



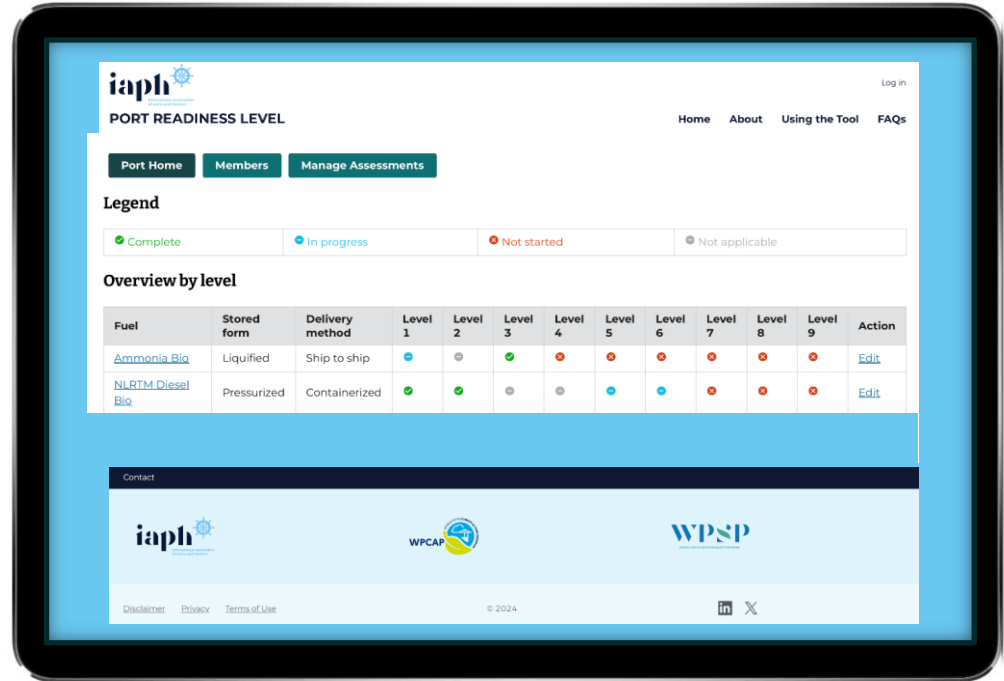
www.sustainableworldports.org/clean-marine-fuels/



Port Readiness Level for Marine Fuels (PRL-MF) digital assessment tool:

A Fuel-agnostic assessment framework ports can use to self-assess their readiness and identify areas requiring further development to facilitate bunkering of a new low- or zero-carbon marine fuel

www.fuelreadyports.org



3. Data collaboration

- Dissemination of Cyber Security Guidelines for Emerging Technologies
- Development of a cybersecurity training game with UNCTAD
- Co-release of an all-industry Port Call Optimization Guide
- UN CEFACT project on supply chain resilience
- Active involvement in developing the IMO Strategy on Maritime Digitalization



IAPH cyber guidelines for emerging technologies

- Focus on emerging technologies in the maritime supply chain
- Selected technologies:
 - Artificial Intelligence and machine learning
 - Automation
 - IoT
 - 5G
 - Drones
 - Quantum computing
 - Green energy



Accelerating port call optimisation in practice

- Essential findings and key insights from various in-depth interviews with port authorities and maritime stakeholders on how they implemented Just-in-Time Arrival best practices.
- Early adopters: ports of Gothenburg, Hamburg, Rotterdam, Tanger-Med and Valencia.
- The results are summarised in an implementation checklist, which focuses on enhancing data quality in the context of Port Call Optimization.



In collaboration with:



dcsha

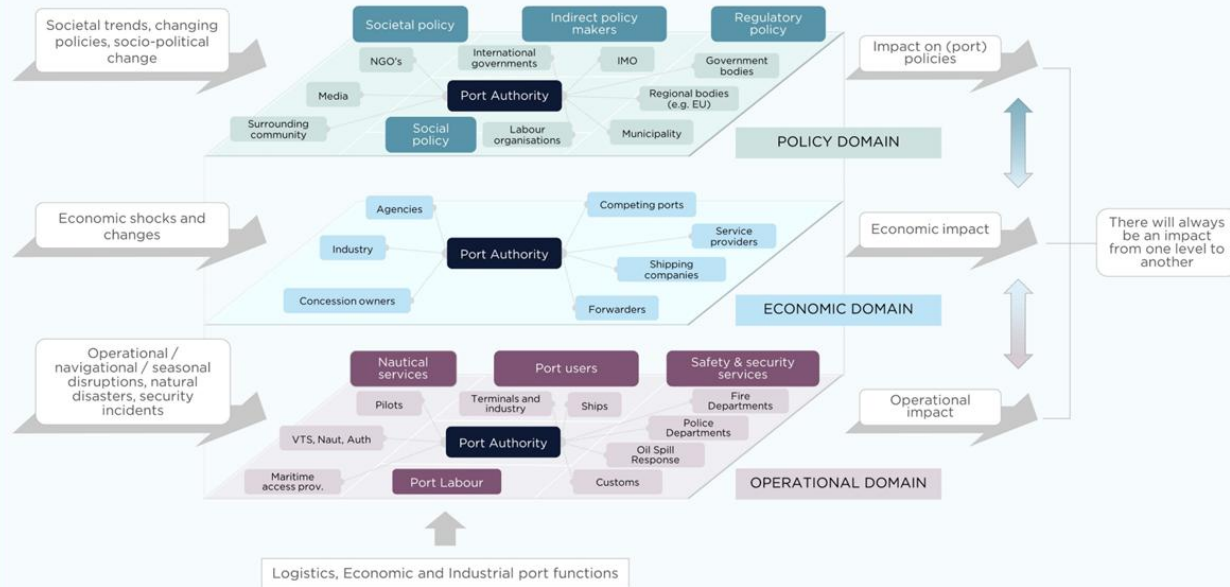


4. Risk and resilience

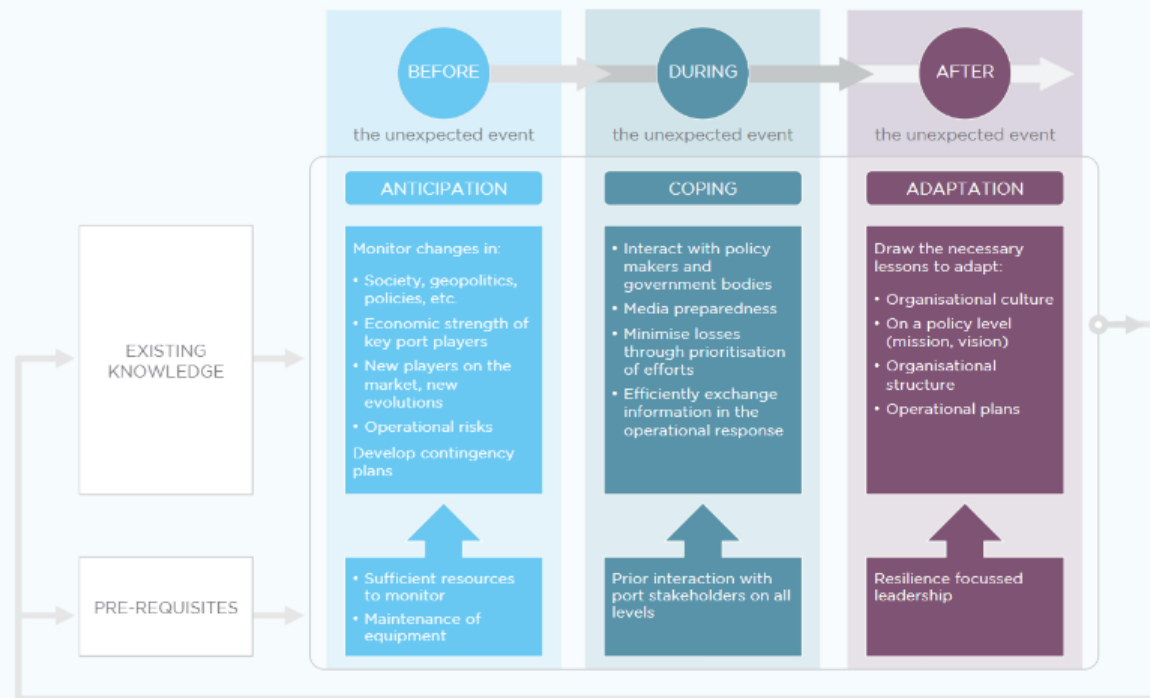
- Extending risk and resilience guidelines for ports to protecting port infrastructure against hostile attacks
- Further work towards improving ports' ability to be climate resilient
- Assessing and sharing best practices on risk management of storing and handling lithium batteries in container and breakbulk cargoes
- Input to review of the IMO ISPS Code



DEVELOPMENT OF AN **ORGANISATIONAL RESILIENCE MODEL FOR PORTS**



ORGANISATIONAL RESILIENCE MODEL FOR PORT AUTHORITIES



5. Cruise

- Development of Cruise Sustainability Accreditation Pilot concept
- Concept to be presented at World Ports Conference in London
- Selection of an accreditation partner to follow
- Launch envisaged for Seatrade Cruise Global 2027 (Miami, 5-8 April)



6. Planning, operations & finance

Transformation of obsolete terminals:

- Report with good practices to be published by end of 2026
- 43 practical case studies of ports undergoing land-use restructuring
- Analysis identifies three strategic transformation vectors:
 - Functional Purification & Consolidation Vector
 - Infrastructure Inheritance & Green/Digital Transition Vector
 - Urban Coexistence & Regional Connectivity Vector

Review of public private partnerships in ports:

- Draft questionnaire to IAPH member ports about management status of port concessions is being finalised
- Pilot test of questionnaire in India, Korea and Africa
- Launch of questionnaire end of 2026



7. World Ports Sustainability Program







Vote for the 2026 shortlist – deadline 2 October!

<https://sustainableworldports.org/iaph2026-sustainability-awards/vote/>



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BOOK NOW

3 – 6 November 2026 | London, UK

Registration open
www.worldportsconference.com

Thank you!

www.iaphworldports.org

