



# **PSHEMS as a Framework for Implementing Gender Balance, Climate Mitigation and Environmental Marine Protection**



# Rationale

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Ports and harbor are an integral part of coastal communities of the East Asian region.

Port authorities and port operators face a number of challenges with respect to their role and impact in sustainable development of coastal areas through ICM programs.



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# Sustainable Develop. Strategy for the Seas of East-Asia (SDS-SEA) and challenges for ports

## Challenges

### SDS-SEA Challenges

- Reducing pollution from land- and sea-based activities
- Increasing preparedness and response to natural/man-made hazards
- Protecting and restoring health, resilient habitats and biodiversity
- Enhancing equitable, sustainable fisheries, food security, livelihoods

Responding to demands on:

- Innovative national ocean policy → blue economy
- Knowledge sharing, capacity development → global learning
- Investable projects → sustainable use of coastal/ocean services
- Gender balance

### SDS-SEA Port Challenges

Ports are an integral part of coastal communities in the East Asia region. SDS-Sea and port operation of today's address challenges

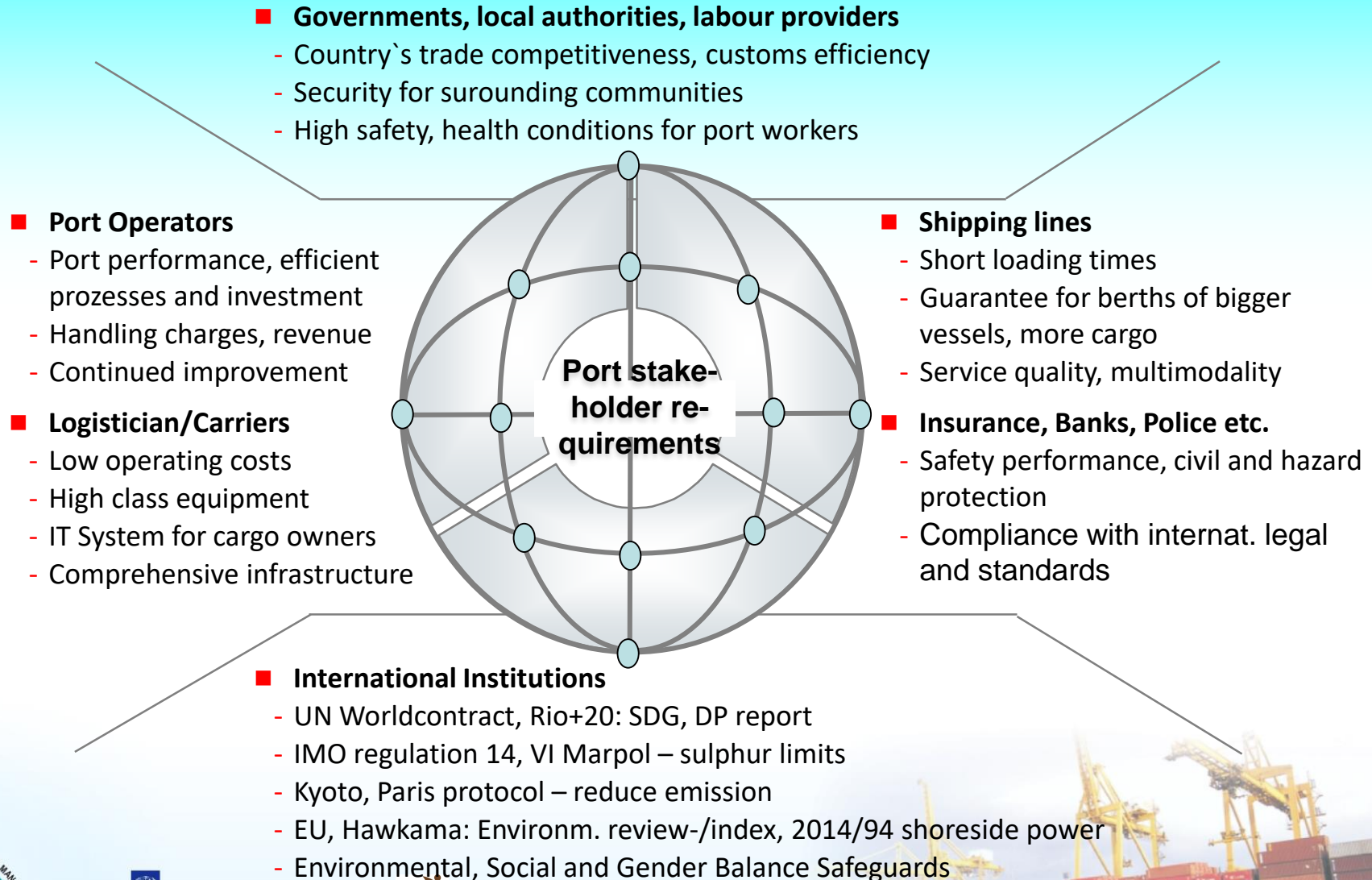
- Preventing accidents and enhancing preparedness to hazards
- Reducing/avoiding environmental impacts within/around the port
- Protecting the health and welfare of port workers and surrounding communities



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# Different prioritized demands of stakeholder, increase the pressure and complexity on port performance

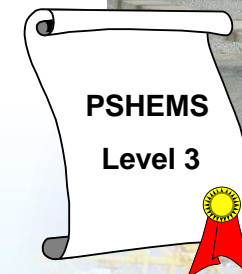


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# PEMSEA's Response to the Challenge

- Port Safety Health and Environmental Management Code (**PSHEM Code**)
  - Document specifying the requirements for a PSHEMS
- Port Safety, Health and Environmental Management System (**PSHEMS**)
  - System implemented by Port Authorities/Operators to manage port processes and activities to address safety, health and environmental concerns (may be integrated with quality management system)
- **PSHEMS Recognition Scheme**



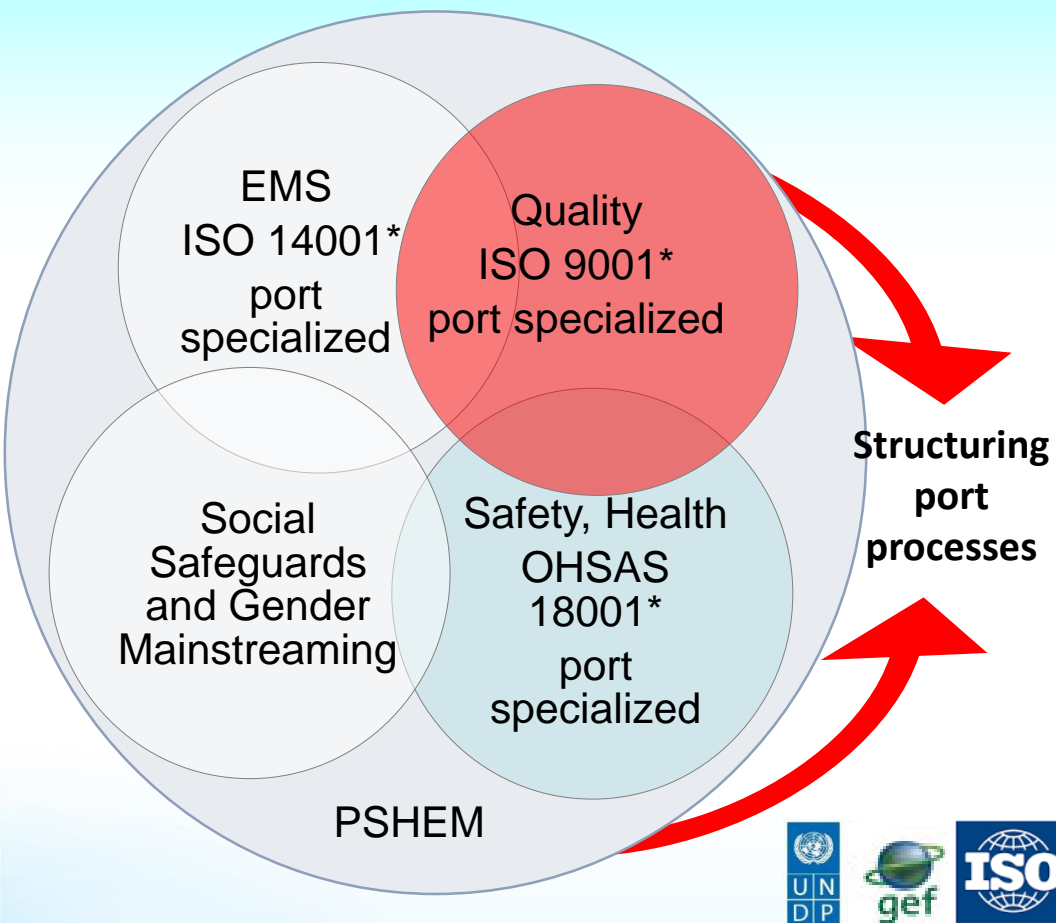
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# Port organizations towards PSHEM, Safety, Health, Environment; Quality Management Systems; ISO; and Social, Environmental and Gender Safeguards

## PSHEM Code - Port Safety, Health and Environment Management Code



## Port activities covered by PSHEM System

- **Port Top Management**
  - Business plans and resource control
- **Port Administration**
  - Immigration, health, custom, commercial documentation control
  - Control of all modes of vehicles in/out
  - Environmental control
  - Dangerous, hazardous cargo control
  - Safety, security within the port area
  - Environmental safeguards
  - Social and Gender safeguards
- **Port Operations**
  - Navigational aids for traffic, vessel
  - Facilitating arrival, departure and berth
  - Facilitating Supply chain logistics
  - Loading, discharging, storage and distribution of cargo, use of sheds
  - Allied: pilotage, tugging, mooring



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# PEMSEA PSHEMS Implementation

- The PSHEMS has been successfully implemented at:
  - Port of Tanjung Pelepas, Malaysia;
  - Bangkok Port, Thailand;
  - Laem Chabang Port (in cooperation with 3 private terminal operators), Thailand;
  - Port of Iloilo, Philippines;
  - Port of Cagayan de Oro, Philippines;
  - Port of Batangas, Philippines;
  - Port of SOCSARGEN, Philippines;



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# PEMSEA PSHEMS Implementation

- The PSHEMS is also being implemented at:
  - Sihanoukville Autonomous Port, Cambodia
  - Phnom Penh Autonomous Port, Cambodia



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# Impacts of PSHEMS Implementation

- Achieved Compliance to Regulatory Requirements
- Increase in Green Cover
- Reduction in CO2 Emission through Environmental Initiatives
- Spill Reduction and Spill Control
- Awards and Recognition
- Substantial Economic Gains
- Reduced occurrence of accidents and incidents
- Stronger implementation of gender program



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# Impacts of PSHEMS Implementation in Bangkok Port and Laem Chabang Port

- Institutionalization of Safety, Health and Environmental Organization within the port
- Achieved consistent 100% Compliance to Regulatory Requirements
- Increased in Green Cover inside the port.
- Reduction in CO2 Emission through Environmental Initiatives through mangrove planting and management
- Substantial Economic Gains through more efficient operations
- Reduced occurrence of accidents and incidents
- Spill Reduction and Spill Control



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# PSHEMS as Platform for Gender Balance in the Port Sector

## The PSHEM Code call for:

- Ensuring the wellbeing of employees and community;
- Sustainable development goal for SDG 5 and SDG 14;
- The PSHEMS can be used to develop environment, social and gender balance safeguards in the ports.



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# Lessons Learned

- Management commitment is key to the successful establishment and implementation of the PSHEMS;
- PSHEMS process of regular monitoring ensures control of processes and achieve compliance of regulations;
- Use of PSHEMS process Hazard Identification and OTPs in establishing engineering projects, safety controls and environmental, social and gender balance safeguards in ports;
- PSHEMS promotes active working groups composed of representatives from different departments of the port ensures ownership and implementation of safeguards for environment, social, safety and gender balance
- Careful identification of projects for PSHEMS implementation bring **substantial social environmental and economic benefits** to the port, the port employees and the communities.



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