



# **GREEN PORTS: The Starting Point**

## **MARPOL implementation and enforcement in Latin America and the Caribbean**

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**Panama, Panama**  
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**on Logistics, Innovation, and**  
**Competitiveness**

# Agenda

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- I. Regional growth in trade and shipping
  - II. Environmental concerns and governance
  - III. MARPOL implementation and enforcement
  - IV. Next steps
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# I. REGIONAL GROWTH IN TRADE AND SHIPPING

# Growth in trade → more shipping

- Real GDP growth of 2% in Latin America and the Caribbean in 2018
- Many countries with annual GDP growth of over 5%
- CEPAL recorded a 6% growth in LAC shipping in 2017



# Major trade routes in the region

- Panama Canal
- Caribbean and Central American transshipment
- Increase in Transpacific and Transatlantic traffic in South America
- Importance of intra-regional trade







## II. ENVIRONMENTAL CONCERNS AND GOVERNANCE

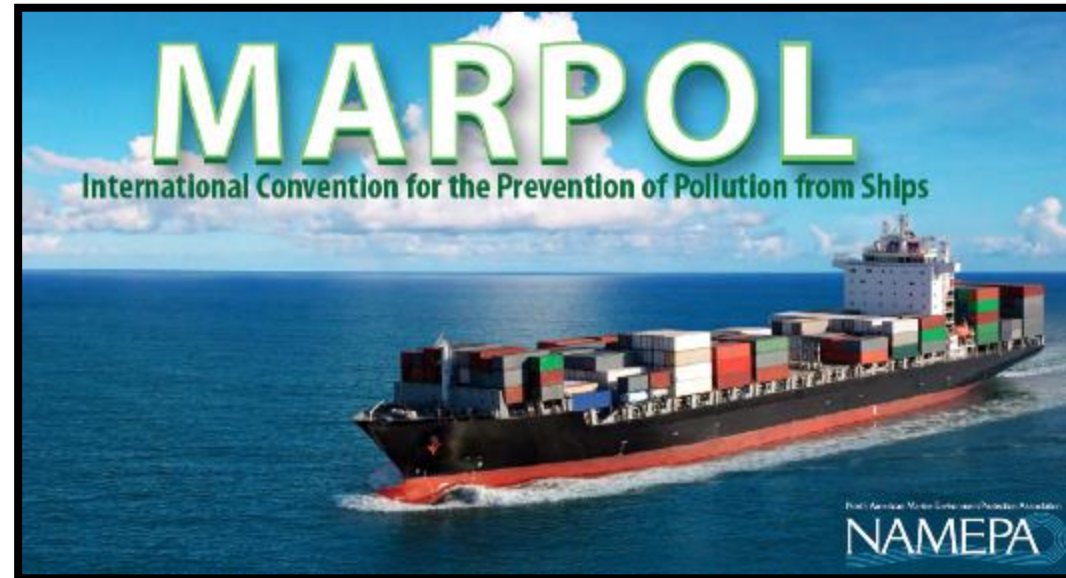
# Increase in shipping → increase in environmental pressures

- Oil pollution
- Air pollution
- Waste discharge
- Ballast water discharge



# IMO/MARPOL

- Shipping is governed by IMO
- IMO adopted MARPOL convention and its six Annexes
- Flag-state control
- Port-state control



# MARPOL ratification in Latin America and the Caribbean

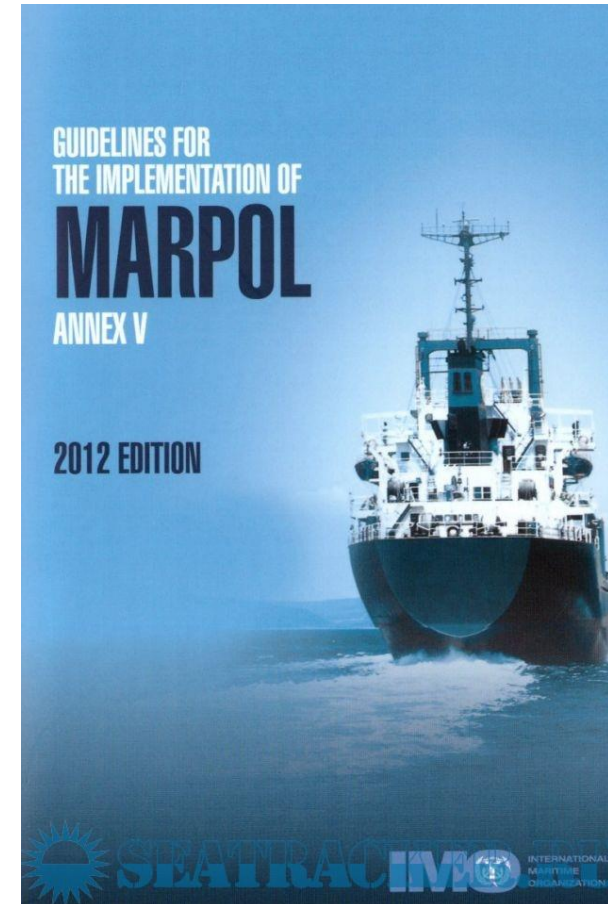
Annex	Subject	% Ratified
Annexes I/II	Prevention of pollution by oil and noxious liquid substances in bulk	97%
Annex III	Prevention of pollution by harmful substances carried by sea in packaged form	83%
Annex IV	Prevention of pollution by sewage from ships	77%
Annex V	Prevention of pollution by garbage from ships	89%
Annex VI	Prevention of air pollution from ships	54%



### **III. MARPOL IMPLEMENTATION AND ENFORCEMENT**

# Difficulty of implementation and enforcement

- Lack of legislation to implement and enforce MARPOL at the national level
- Lack of infrastructure can make execution difficult
- Lack of readily available best practices and expertise



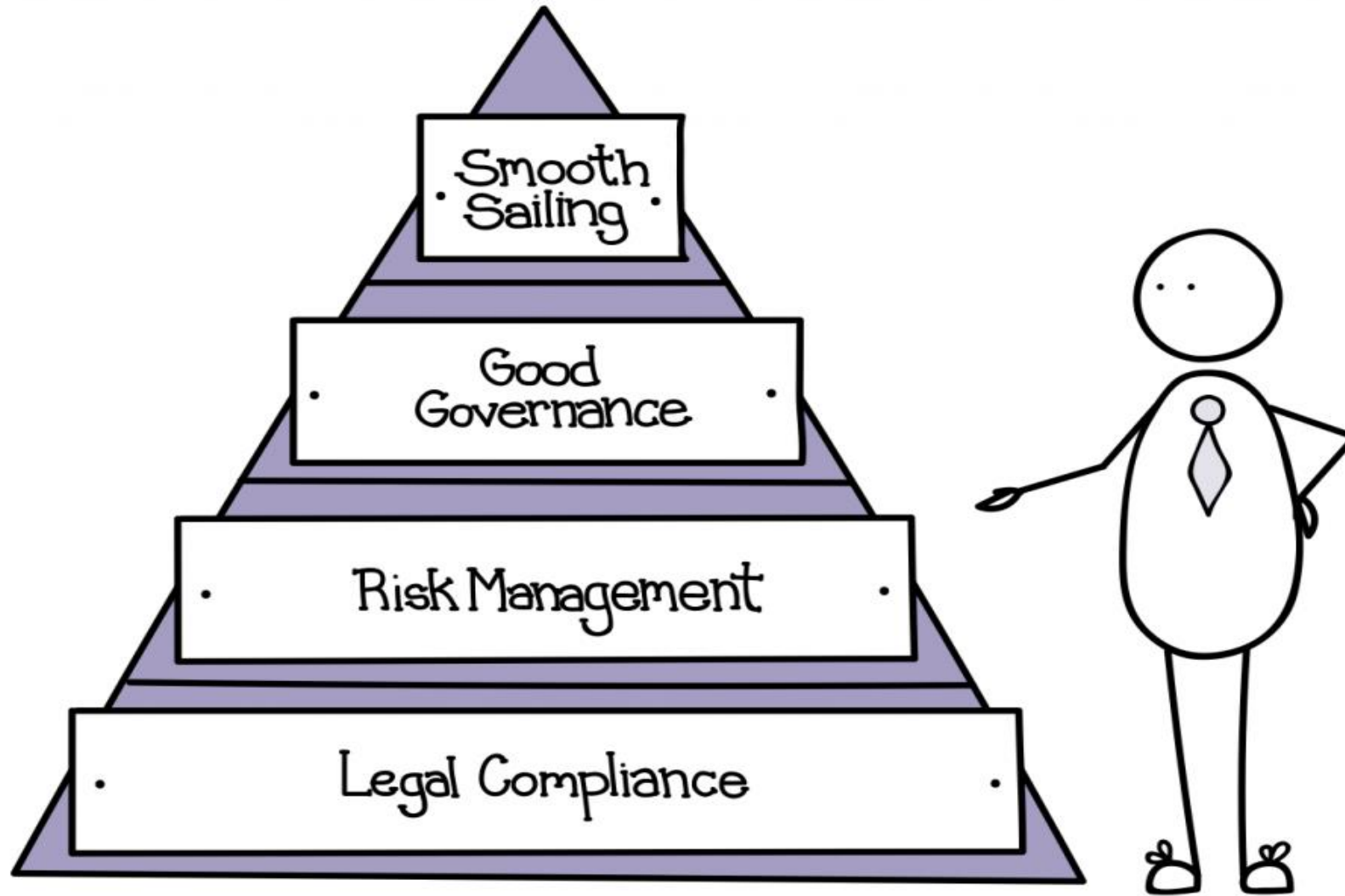
# Importance of implementation and enforcement

- MARPOL is important for sustainability and resilience
- Environmental sustainability is important for many industries, including tourism and fishing





## IV. NEXT STEPS



# OAS/CIP, CARIBMEPA, and Hudson

- Joint survey conducted by OAS CIP, CARIBMEPA, and HudsonAnalytix
- Measure implementation and enforcement in Latin America and the Caribbean
- Identify specific implementation and enforcement challenges
- Serve as basis for development of an implementation and enforcement solution workshop

