



# BARBADOS REPORT

IMPLEMENTATION OF  
MARPOL CONVENTION –  
ANNEX VI: REGULATION FOR  
THE PREVENTION OF AIR  
POLLUTION FROM SHIPS

# Presentation Outline

Overview

Institutional

Legislative

Technological

Opportunities  
for  
Partnership

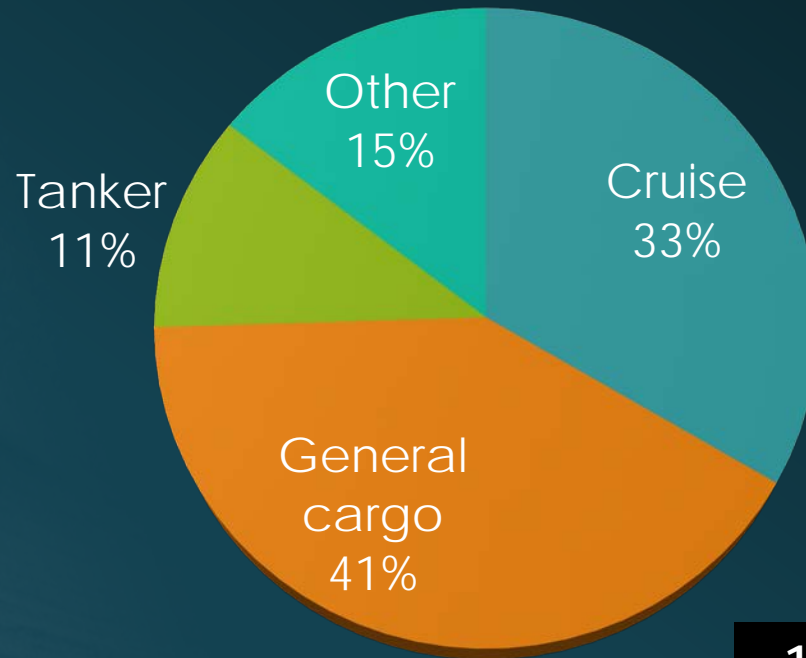
# Introduction

Barbados  
Port Inc.



# Bridgetown Port Statistics

## Vessel Calls



1475 in 2017/2018

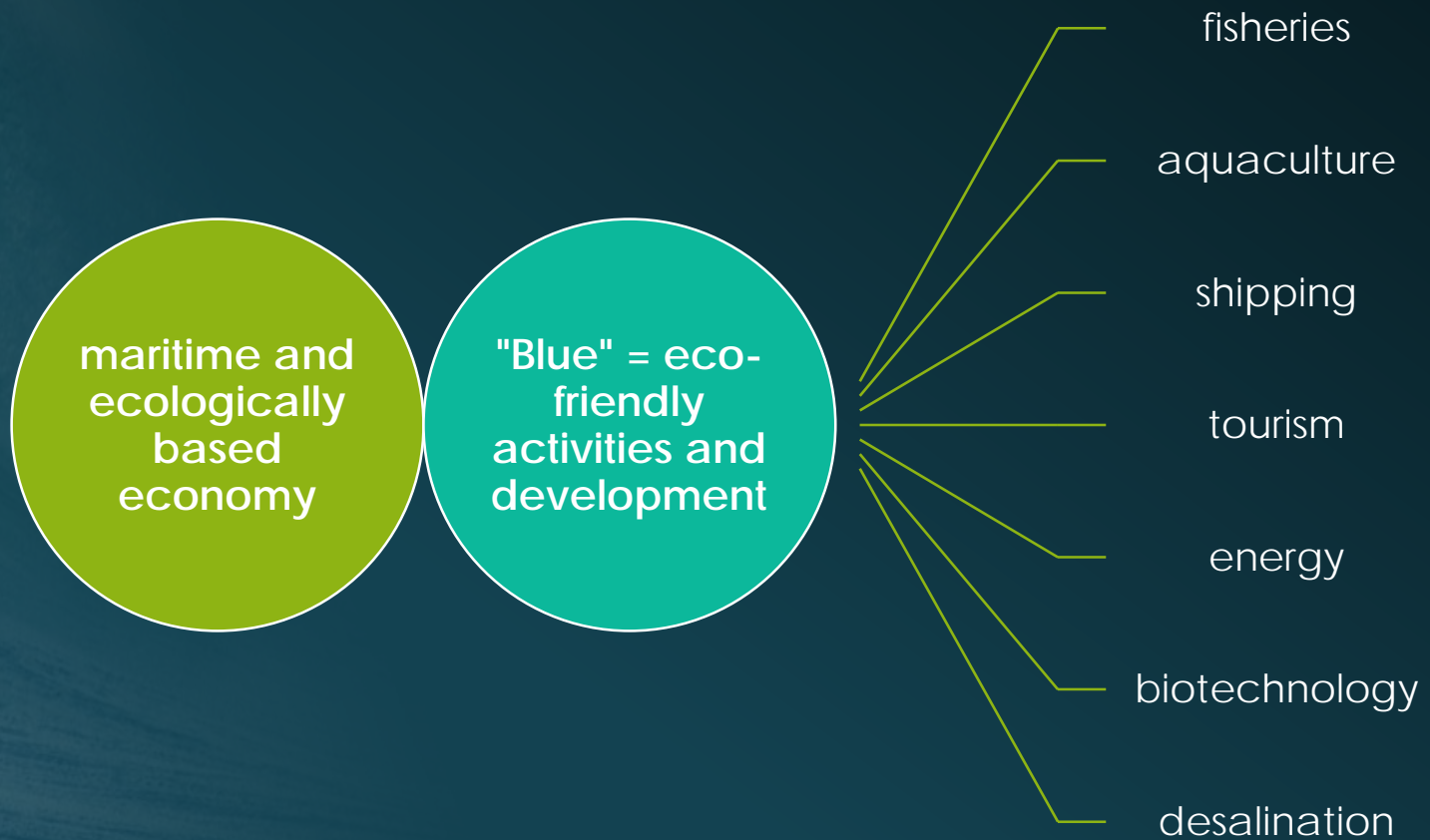


# Blue Economy

## Four main pillars

- sustainable growth
- environmental protection
- social inclusion
- livelihood improvement

# Blue Economy





INSTITUTIONAL

# Functions

Regulation of shipping

Promulgation of legislation

Casualty investigation

Search and rescue

Port state control

Oversight of Barbados' Ships registry



# Administration

Coastal Zone  
Management  
Unit

Environmental  
Protection  
Department

Barbados Port  
Inc.

Ministry of  
Foreign Affairs  
and Foreign  
Trade

Ministry of  
Energy and  
Water Resources

Ministry of the  
Environment and  
National  
Beautification

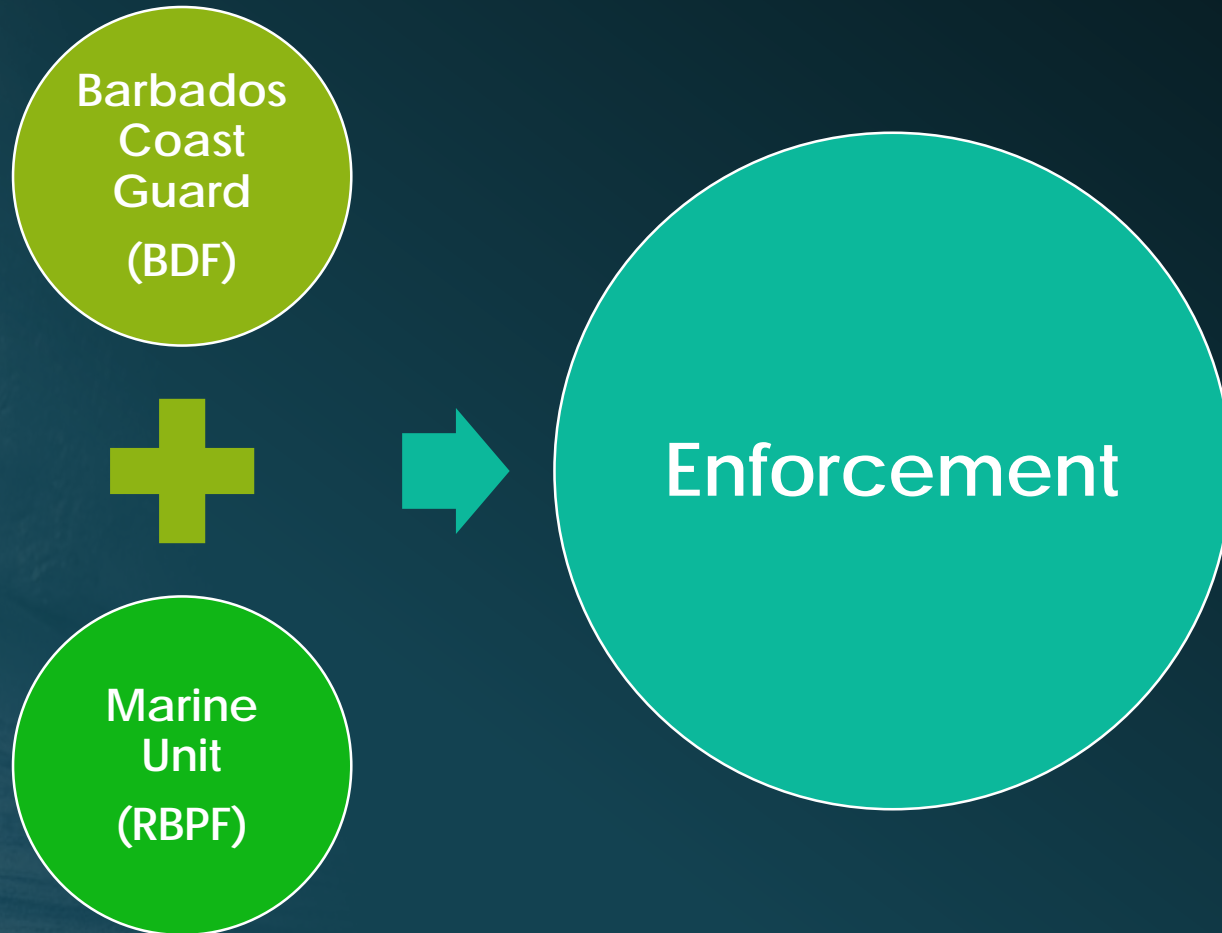
Telecom-  
munications Unit

Environmental  
Health  
Department

Fisheries Division

Ministry of  
Labour

# Enforcement



# Recent changes in structure

Shipping Section of  
International  
Transport Division



Ministry of  
Maritime Affairs  
and the Blue  
Economy (MMABE)

# IMO Member State Audit Scheme (IMSAS)

Mandatory  
Audit for all  
Member  
States

- 1 January 2016

Maritime  
Policy

- maritime vision
- pillars
- strategic objectives

Corrective  
Action Plan

- address deficiencies
- systematic
- achievable

# Primary Agencies

## Shipping Section, MMABE

- Administrative oversight

## Environmental Protection Department (EPD)

- Regulatory
- Monitors land, air, water
  - Complaint investigation
  - Pollution incidents
  - MPCA CAP 392A

## Barbados Coast Guard (BCG)

- Enforcement
- Primary Response Coordination Centre
- Search and rescue

## Barbados Maritime Ships' Registry (BMSR)

- Registration
  - > 150 T
- Multilateral agreements
  - Recognised organisations
  - Classification Societies

## Barbados Port Inc.

- Operational
- Navigational aids
- Hydrographic services
- Lighthouse authority
- Port reception

# Primary Agencies Resources

## The Shipping Section, MMABE

- 2 dedicated officers Port State Control functions
  - Superintendent
  - Assistant Superintendent
- 3 administrative staff

## Environmental Protection Department

- 3 officers in Air and Noise pollution section
- Senior Environmental Technician
- 2 Environmental Technician

## Barbados Coast Guard

- 70+ personnel overall
- regulation, quarantine, immigration, fisheries, safety at sea, territorial waters and exclusive economic zone

## Barbados Maritime Ships' Registry

- 2 managers
- 2 principal investigators
- 3 administrative staff
- 326 private contractors - flag state inspectors, auditors and/or surveyors

## Marine Section of Barbados Port Inc.

- 57 staff- administrative staff, berthing masters, radio operators, marine cadets, mooring gang and tug crew



LEGISLATIVE



# International Maritime Law

Safety of Life at Sea (SOLAS), 1974 as amended

Convention on the International Regulations for Preventing Collisions at Sea (COLREG) 1972

International Convention on Standards of Training, Certification and Watch-keeping for Seafarers (STCW) 1978 as amended

Convention on Maritime Search and Rescue (SAR) 1979 and 1988





# International Maritime Law

Convention on Facilitation of International Maritime Traffic (FAL) 1965

Load Lines (LL 66 and its 1988 Protocol)

Tonnage Measurement of Ships (Tonnage 1969)

MARPOL Convention (all Annexes)



# National Maritime Legislation

Shipping Act, Cap.296A as amended

Shipping (Oil Pollution) Act, Cap 296A as amended

Barbados Marine Pollution Control Act, 1998-40

Fisheries Act, Cap 391



# National Maritime Legislation

Telecommunications Act, Cap.282B

Harbor Regulations Cap 285B

Barbados Port. Inc. Act 2003-18

Maritime Labour Convention Regulations

# Barbados' Current Status

International conventions must be transformed into domestic legislation

Barbados acceded to the MARPOL Convention Annex VI on April 5, 2004

Entered into force on May 19, 2005

Annex has not been incorporated into the national laws of Barbados

# Barriers and Limitations

## Human resources

- legal counsel

## Financial resources

- extremely limited

## Process length

- 7 steps

# Monitoring and Enforcement

No incentives  
and penalties  
applicable to  
vessels

- flagged to Barbados
- visiting our Ports

National  
legislation  
required

- Incorporation of Annex
- AAQ standards
- AAQ monitoring

# Monitoring and Enforcement AAQ

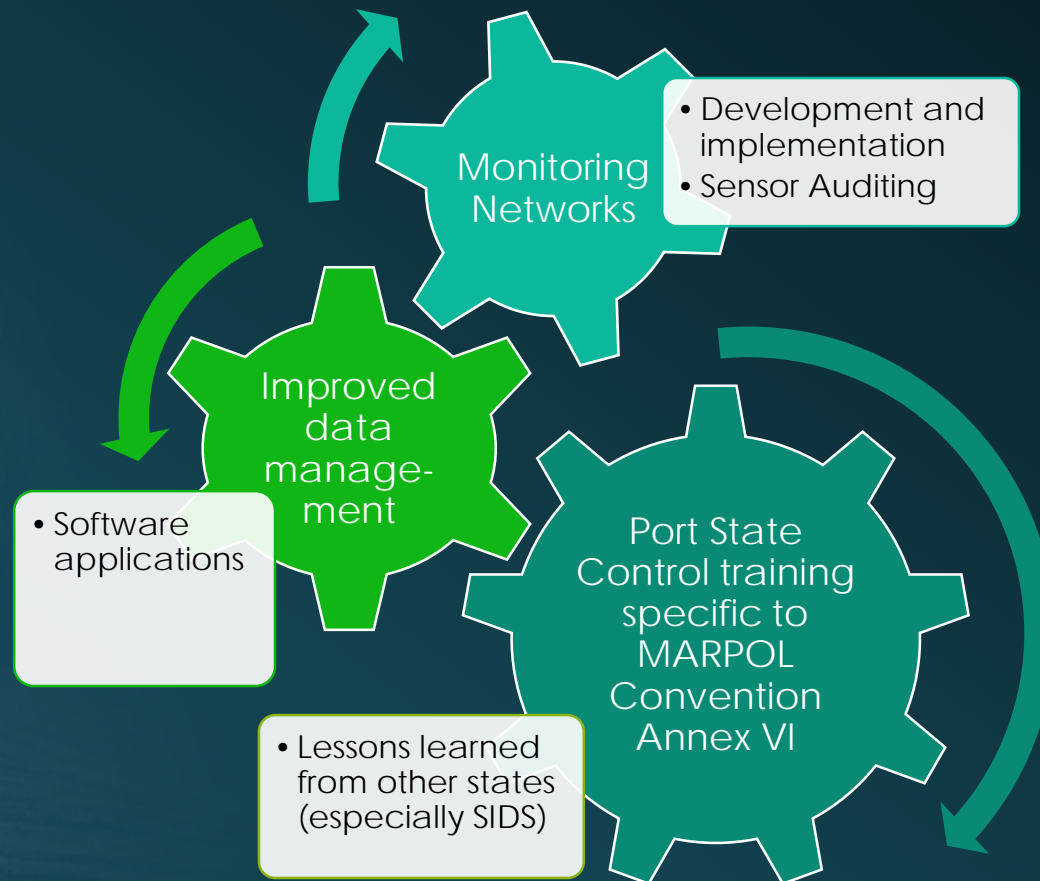
Passive Sampling



Active Sampling



# Proposed Training





A large, stylized teal wave is the central focus, set against a dark blue background. The wave is depicted with a white crest and a white outline, giving it a three-dimensional appearance. The background features a subtle, repeating pattern of the same wave, creating a sense of depth and movement. The overall color palette is dominated by various shades of blue and teal.

TECHNOLOGICAL

# Reporting system

## Cruise and cargo vessels

- **Terminal Operations Department, Barbados Port Inc.**
  - vessel assigned unique number
    - *ship visit report*
  - departing
    - *clearance certificate*

## Smaller vessels (e.g. pleasure yachts)

- **Customs and Immigration departments**
  - Personal information

Moving towards VTS

# National initiatives



National Climate Change Committee

White Paper on the Development of Tourism in Barbados and National Adaptation Strategy to Address Climate Change in the Tourism Sector in Barbados

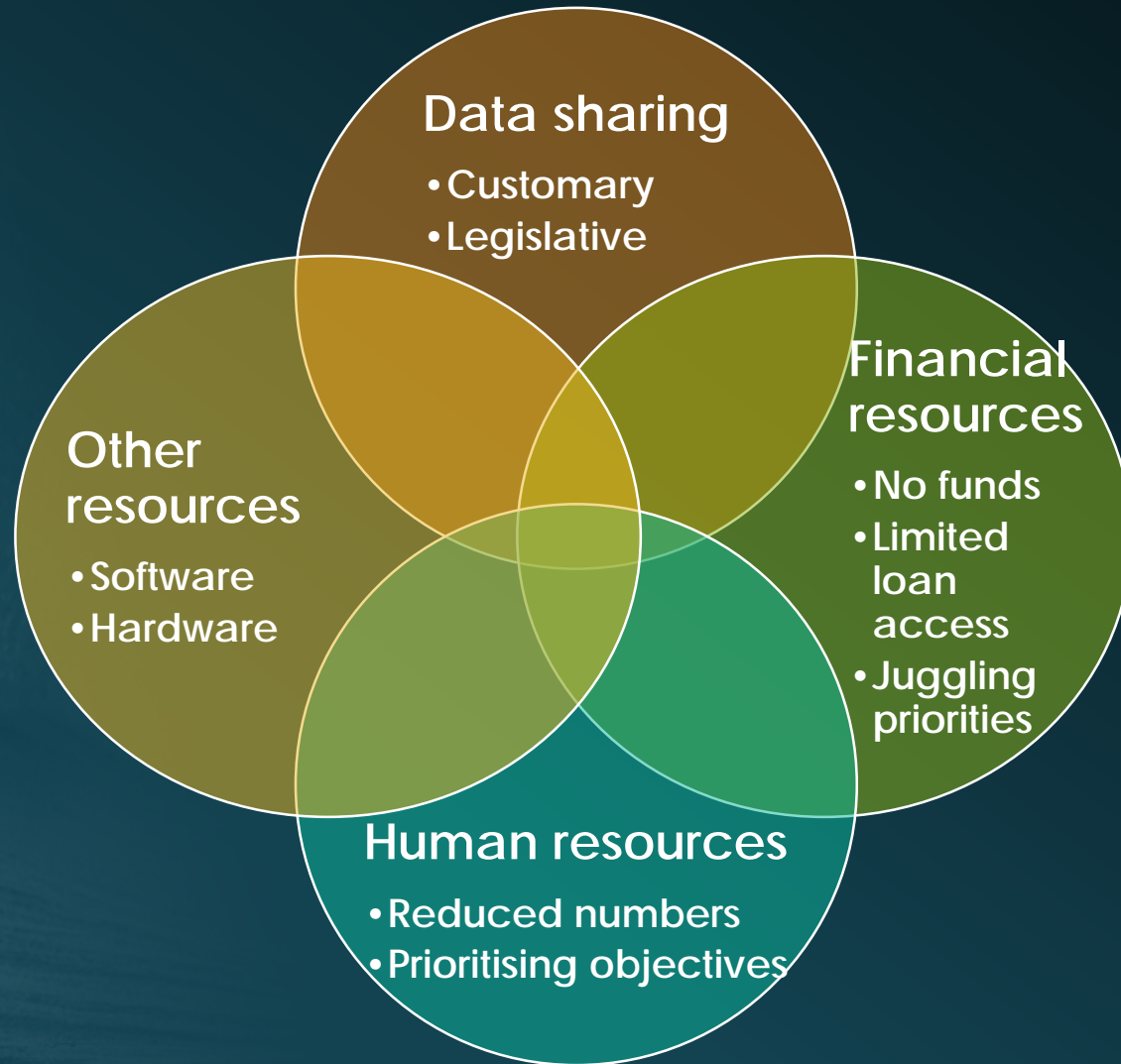
Regional Monitoring and Evaluation System for Disaster Risk Management (DRM) and Climate Change Adaptation (CCA) in the Caribbean Tourism Sector

# National initiatives

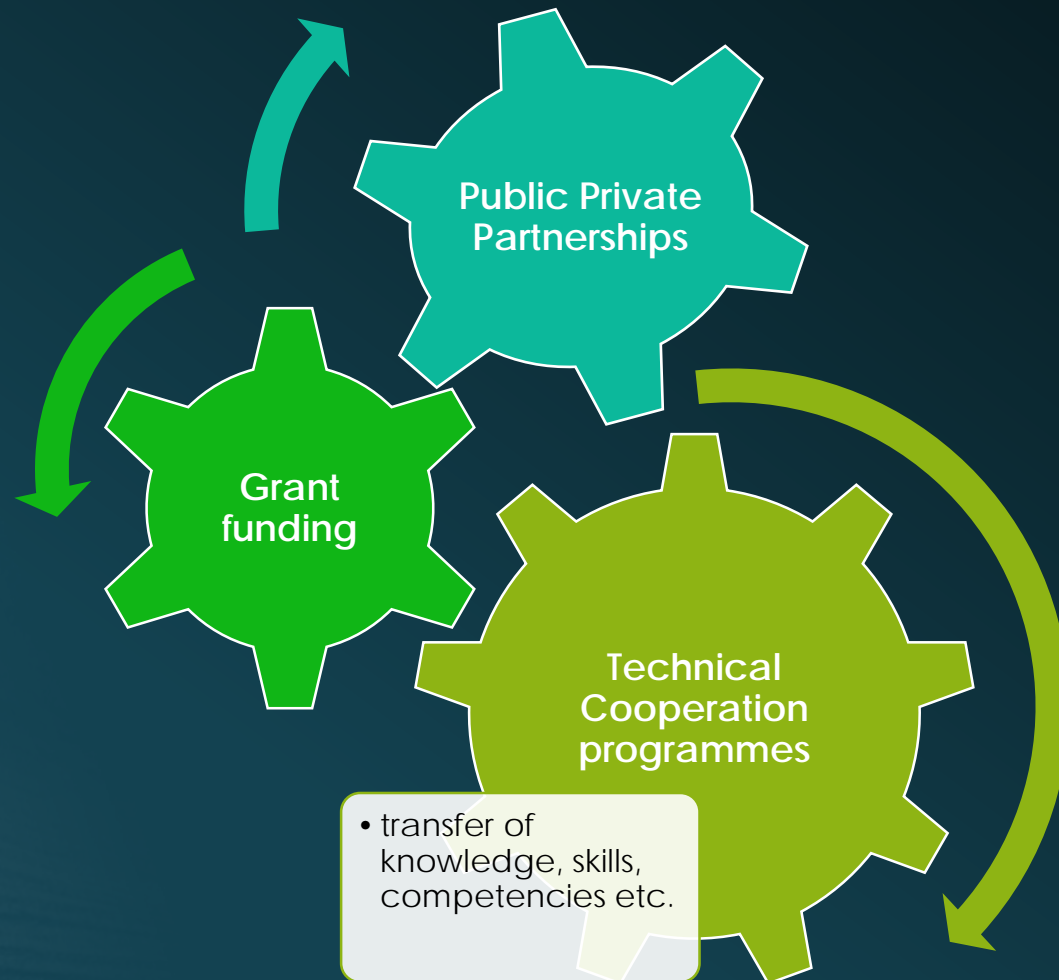
## Near future

- port-based incentives for low emission ships
- data collection mechanism and reporting
  - fuel consumption
  - energy efficiency technology

# Barriers



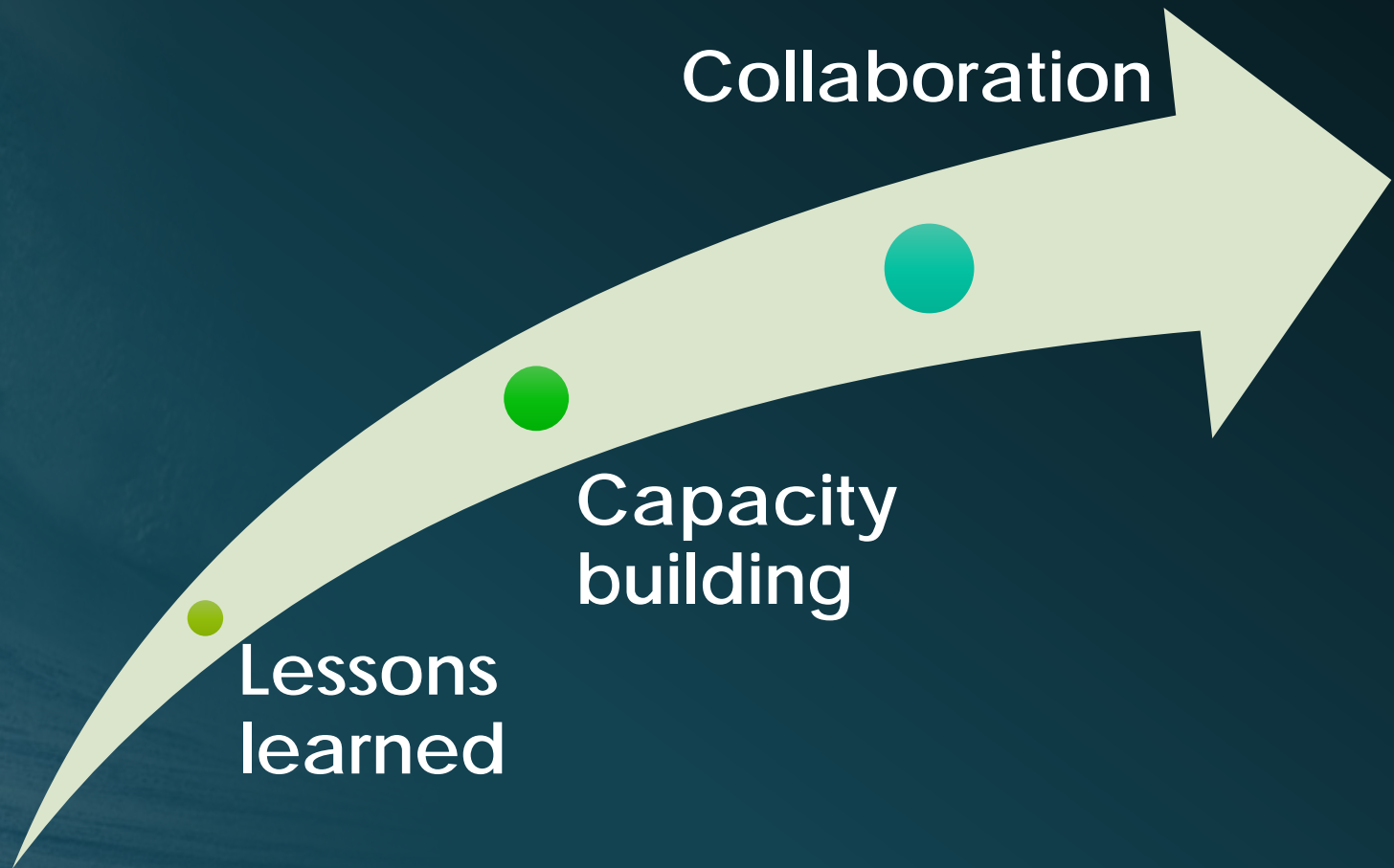
# Mitigation Strategies





# OPPORTUNITIES FOR PARTNERSHIP

# The way forward







# THANK YOU

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Shaina McAllister