

# **Port Sustainability in Small Island Developing States (SIDS)**

**By: International Maritime Organization (IMO)**

ASSOCIATION OF CARIBBEAN STATES (ACS)  
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Mr. Colin P. Young  
Regional Coordinator, Caribbean  
Technical Cooperation Division, IMO



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# Overview

- IMO's recognition of the importance of ports in the decarbonization pathway through resolution [MEPC.323\(74\)](#)
- Revised and strengthened GHG Strategy in 2023
- Enhanced engagement of the ports sector in IMO meetings
- Ports will be where alternative fuels are supplied and incentives offered to greener vessels
- Ports will assist in reducing emissions from ships with "just-in-time" arrival



# GreenVoyage2050 Project

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- Supporting shipping's transition towards a low carbon future
- Selected developing countries around the world, including Small Island Developing States (SIDS) and Least Developed Countries (LDCs)
- Partnering with maritime-related international associations, other UN organizations, and the industry
- The project will strengthen:
  - MARPOL Annex VI compliance;
  - prevention of air pollution from ships;
  - sharing of operational best practices, catalyze the uptake of energy efficient technologies; and
  - explore opportunities for low- and zero-carbon fuels



**GREEN VOYAGE**  
**2 0 5 0**

# GreenVoyage2050 Project

- Hosts the Global Industry Alliance to Support Low Carbon Shipping (Low Carbon GIA)
- 12 pilot countries from five high priority regions (Asia, Africa, Black Sea/Caspian Sea, Latin America and Pacific)
- Focus is on providing support for the creation of policy frameworks and National Action Plans (NAPs) to address GHG emissions from ships
- Working with partnering countries on the adoption of green technologies
- Strategic partnership signed by the International Association of Ports and Harbors (IAPH) and the GreenVoyage2050 Project, executed by IMO



**GREEN VOYAGE**  
**2 0 5 0**



# GreenVoyage2050 Project

- Maritime ports are major hubs of economic activity
- Pollution prevention efforts have not focused on port-related sources
- Ports are driven to understand the magnitude of the air emissions impact from their operations on the local and global community and to develop strategies to reduce this impact
- Port Emissions Toolkit (PET) was developed and rolled out to developing countries
- Provides practical guidance on assessing emissions so that a national emission reduction strategy for the maritime sector can be developed



**GREEN VOYAGE**  
**2 0 5 0**

# GreenVoyage2050 Project

- **PET Guide No.1** – Assessment of port emissions
  - focuses on planning and key decision steps related to port emissions assessments
  - points the reader to those organisations and ports that are at the forefront of emissions inventories, metrics and forecasts
  - provides up-to-date methods and proxy data

The logo for the 'PORT EMISSIONS TOOLKIT' is displayed within a large, light blue circular graphic. The text is arranged in three lines: 'PORT' in large, bold, blue capital letters; 'EMISSIONS' in smaller, bold, blue capital letters; and 'TOOLKIT' in large, bold, black capital letters. The letters are slightly shadowed, giving them a 3D appearance as if they are floating or attached to the circular background.



# GreenVoyage2050 Project

- **PET Guide No.2** – Development of port emissions reduction strategies
  - Builds on the principles discussed in Guide No.1
  - Describes the approaches and methods to develop, evaluate, implement, and track voluntary emissions control measures
  - Focuses on measures to be considered as part of an emissions reduction strategy (ERS) plan
  - Highlights key elements that ports should consider when developing an ERS
  - Contains links to resources that provide further details into specific areas

The logo for the 'PORT EMISSIONS TOOLKIT' is displayed within a large, light blue circular graphic. The text is arranged in three lines: 'PORT' on the top line, 'EMISSIONS' on the middle line, and 'TOOLKIT' on the bottom line. The letters are bold and blue, with a slight 3D effect. The background of the text is a collage of images related to ports, including ships, cranes, and industrial structures.

**PORT  
EMISSIONS  
TOOLKIT**

# The Global Maritime Technology Cooperation Centres' Network (GMN) Project

- Global efforts to reduce greenhouse gas emissions from shipping rely heavily on:
  - improvements in energy efficiency
  - increased uptake of low-carbon technologies
- Funded by the European Union (EU) and implemented by the IMO
- Unites Maritime Technologies Cooperation Centres (MTCCs) in targeted regions
- promote technologies and operations to improve energy efficiency in the maritime sector
- help navigate shipping into a low-carbon future



# The Global Maritime Technology Cooperation Centres' Network (GMN) Project

- MTCCs act as regional focal points for a wide range of activities to:
  - improve compliance with existing and future international energy-efficiency regulations;
  - help participating countries develop national energy-efficiency policies and measures for their maritime sectors;
  - promote uptake of low-carbon technologies and operations in maritime transport; and
  - establish voluntary pilot data-collection and reporting systems to feed back into the global regulatory process

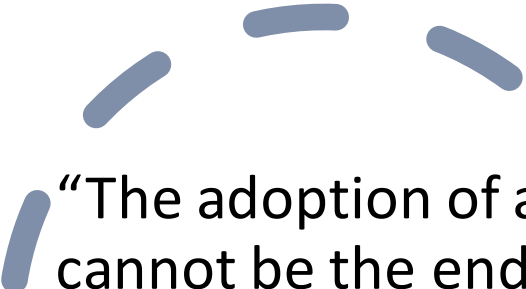


# The Global Maritime Technology Cooperation Centres' Network (GMN) Project

- Solomon Islands example:
  - solar-powered lights
  - weighing in motion systems
  - repairing cracks in the road surface
- **Estimated that savings of up to 75% can be made in the shipping and port industries just by using existing technology and doing things a little bit differently**







“The adoption of an IMO convention cannot be the end of a process. A conference is held, the text agreed, there are handshakes all round. But it’s not the end of the process. It should be just the end of the beginning.

Because an IMO convention is only worthwhile and meaningful if it is effectively and universally implemented”

Former IMO Secretary General, Mr. Koji Sekimisu



## Carib-SMART Preparatory Phase Project

## Carib-SMART Preparatory Phase Project

The International Maritime Organization (IMO) is implementing the Norwegian funded Carib-SMART Preparatory Phase Project to:

- undertake preparatory work for developing, designing and securing regional endorsement for a long-term technical assistance Programme (Carib-SMART Programme) for the small island developing states (SIDS) of the Caribbean region
- effectively develop and implement a **Sustainable Maritime Transport (SMART)** system that will enable Caribbean SIDS to build-back better from the impact of the Covid-19 pandemic on the crucial maritime sector on which SIDS economies in the Caribbean are heavily dependent

# Carib-SMART Preparatory Phase Project

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## Addresses:

- existing legal, policy, institutional and regulatory frameworks
- their significant and common challenges

# Carib-SMART Preparatory Phase Project

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## Activities:

- Conducting a series of national and regional level consultations
- Identifying needs and gaps for maritime sectors of Caribbean SIDS
- Identifying opportunities to build back better
- Design of the essential components of a long-term Technical Assistance Programme
- Identifying suitable strategic partners and potential donors for the Programme
- Seeking the political commitment for the Programme at the level of the Caribbean Community (CARICOM).



# Carib-SMART Preparatory Phase Project

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## Outputs:

- Survey questionnaire to maritime transport stakeholders
- National and Sub-regional Needs Assessment Reports
- Regional Needs and Gap Assessment Report
- Roadmap and Action Plan
- Technical Cooperation Programme and Donor Financing Plan

# Carib-SMART Preparatory Phase Project

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## Preliminary Indications :

- Legal and regulatory issues
- Gaps in reporting obligations
- Unfulfilled training and certification requirements
- Legislative drafting drawbacks
- Less than effective institutional structures

# Carib-SMART Preparatory Phase Project

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## States need to:

- Prioritise the Conventions and Instruments
- Identify the underlying interests and policy determinants
- Benchmark clear indicators
- Identify new trends and causative regional and national factors
- Periodic reviews to ensure relevance

# International Maritime Organization

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2<sup>nd</sup> Floor Clarence House  
127-129 Duke Street  
Port of Spain  
Trinidad

Tel: +868 224 5490  
Mob: +868 727 1926  
Email: [cpyoung@imo.org](mailto:cpyoung@imo.org)

