Mrs. Vivian Rambarath-Parasram
Assistant Professor, Director & Head of MTCC Caribbean
The University of Trinidad and Tobago
Caribbean

Population: 43,735,525
% World Population: 0.58
Source: https://www.worldometers.info/world-population/caribbean-population/

Source: https://data.worldbank.org/indicator/
MTCC Interventions & Impact 2017-2021

Capacity Building & Pilot Projects
Pilot Projects - Outcomes

Pilot 1
Uptake of ship energy efficient technologies and operations.

- A baseline of existing EE Technology onboard ships trading in the Caribbean (captures 62% of ships > 400GT)
- An EEE database for the region

Pilot 2
Fuel consumption data collection and reporting in line with IMO regulations.

- A baseline of GHG emissions and EEOI from ships calling to ports in the Caribbean (captures 50% of ships in the combined approached)
- An inventory of the type of fuel consumed by vessels within the region (Captures 62% of ships > 400GT).

Contribution to Decarbonization

Established the first Online Voluntary Reporting System in the region, providing a database for 16 Maritime Administrations, in addition to developing a Regional Network for cooperation in Maritime Climate Action.

Created a Scientific foundation for policy makers and solution providers to better tailor their intervention strategies to support uptake from both Regulatory and Market perspectives respectively.

Paved the way for better regional approaches towards MARPOL Annex VI implementation and the creation of an enabling environment for technology uptake.

Next Steps

Support capacity building and sensitization with relevant stakeholders towards meeting the goals of the Paris Agreement, the IMO’s Initial GHG Strategy and Agenda 2030.

Develop a regional approach by engaging with major ports of the region to carry out Port GHG Emission inventories and the implementation of Port Emissions Reduction Strategies (ERSs).

Design and implement a demonstration project on onshore power systems, supported by the supply of renewable energy, as well as integrate decarbonization and blue economy initiatives.
GHG Emissions Inventory on Select Port in Trinidad

November 2021
Future Focus of MTCC Caribbean for Decarbonizing Maritime Shipping

Building Capacity across Region to enhance Implementation of new and existing regulations

Developing and implementing Demonstration Pilot Projects

Promoting access to Climate Finance for Maritime interventions

Maritime Decarbonization in Multimodal Logistics
Just in Time Shipping
Digitalization/Maritime Informatics

Recognizing that the relatively low volumes of trade complicate the business case for investment in maritime infrastructure