OVERCOMING THE CHALLENGES TO MARITIME ENERGY EFFICIENCY IN THE CARIBBEAN

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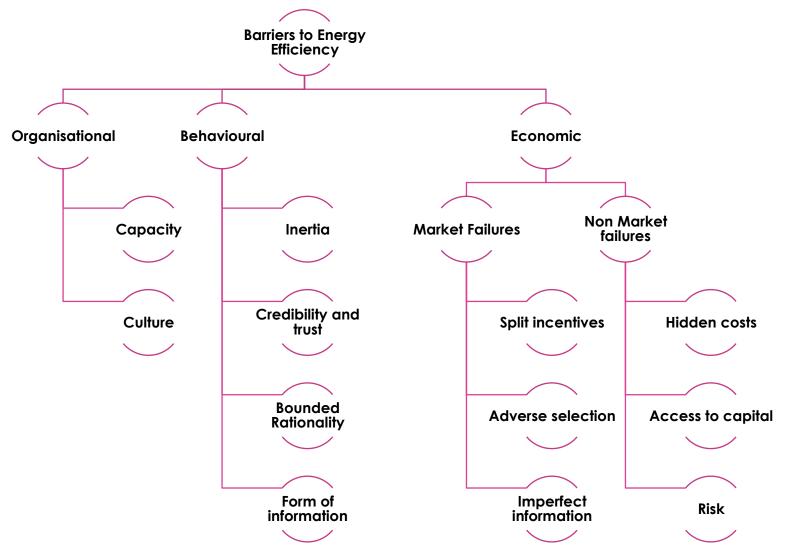
OVERCOMING MARITIME ENERGY EFFICIENCY IN THE CARIBBEAN

- Maritime Energy Efficiency is an imperative for the small island developing States of the Caribbean.
- With limited research and development into maritime technology being undertaken in the region, technology transfer from developed States to the Caribbean is a key requirement for facilitating compliance with the applicable international standard
- The region must be vested with the appropriate legal and institutional framework, to create the enabling environment to promote technological uptake, and drive compliance and enforcement.
- The enabling environment will need to be created in the context of existing legislation and institutional players that maybe unconventional when compared to developed States.

OUTLINE OF PAPER

- The barriers to maritime energy efficiency peculiar to the region
- Opportunities for overcoming these barriers
- The enabling framework to facilitate uptake of energy efficiency
- An approach for implementing relevant international standards based on an analysis of existing legislative frameworks.

BARRIERS TO ENERGY EFFICIENCY



KEY BARRIERS IN THE CARIBBEAN REGION

- Inadequacy of Legal and Institutional Framework
- Absence of Market Based Measures
- Inadequate Baseline Data
- Insufficient Technology Transfer

DRIVERS & ENABLERS FOR ENERGY EFFICIENCY IN THE CARIBBEAN REGION

- Compliance factor: allow vessel operators compliance with MARPOL 73/78 Annex VI requirements.
- Financial factors: to reduce the operating costs or lower the capital cost compared to existing operational conditions.

While financial considerations and regulatory compliance are noted drivers for energy efficiency, the inadequacy of enforcement of international standards in the region creates an environment where ship operators do not perceive the need to comply.

OVERCOMING THE BARRIERS TO ENERGY EFFICIENCY IN THE CARIBBEAN

- Invest in Capacity Building & Enabling environment to facilitate uptake of energy efficient measures in shipping.
 - Enabling environment: recognizing the disparity between the available technology and technology in use, This will require investment into institutions, infrastructure and socio economic environment.
 - Capacity building: to extract and absorb complete benefits of any new technology adapted, human and institutional capacities need to be prepared accordingly.
 - Enhancing the reach of existing Institutional Actors
- Financial Incentives for Efficient Fuel Operations

AN APPROACH FOR IMPLEMENTING RELEVANT INTERNATIONAL STANDARDS

 Monitoring, Reporting and Verification Governmental Institutional Partnerships to facilitate implementation Incentives • Regional integration Regulatory Compliance via Private Sector Capacity Building Initiatives Flag, Port and Interests Coastal State Leveraging the MTCC-Caribbean Jurisdiction Training Energy Efficiency • Partnerships and adoption of Low carbon technology