

# **Oceans Economy and Trade Strategies (OETS) Project**

National Stakeholder Workshop -  
BARBADOS

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# COASTAL AND MARINE ENVIRONMENTAL SERVICES

# Environmental Services

- In the context of the World Trade Organization (WTO), “***Environmental services***” include ***various tradable services*** such as:
  - sewage services
  - refuse disposal
  - sanitation and similar services
  - reducing vehicle emissions
  - noise abatement services
  - nature and landscape protection services
  - and “other” environmental services

# Environmental goods and services

- UNCTAD uses in concept “***Preferable Environmental goods and services***”, meaning those that generate:
  - lower environmental harm
  - lower natural resource use
  - no or minimum negative impact on human, animal or plant health
  - and level of contribution to the preservation of the environment (UNCTAD, 1995).

# Environmental services in CARICOM

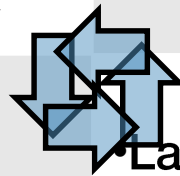
Cluster	Business areas
<b>Pollution management</b>	<ul style="list-style-type: none"><li>• Solid waste management</li><li>• Waste water management</li><li>• Air pollution control</li></ul>
<b>Environmental science</b>	<ul style="list-style-type: none"><li>• Environmental R&amp;D</li><li>• Environmental education</li><li>• Research/data services</li></ul>
<b>Resource efficiency</b>	<ul style="list-style-type: none"><li>• Recycling/circular economy</li></ul>
<b>Resource Management</b>	<ul style="list-style-type: none"><li>• Renewable energy</li><li>• Water treatment and distribution</li><li>• Natural asset protection and management</li><li>• Environmental planning</li><li>• Disaster risk management</li></ul>

# Existing Services offered in the Coastal and Marine Environmental Sector

- Engineering: ports, harbours, waterfronts, water quality, flooding & storm water management
- Climate risk assessment, resiliency
- Natural resource management

# Environmental services in Barbados: drivers

	Environment-related	Neutral
Cross-border	<ul style="list-style-type: none"> <li>• SDGs/green demand</li> <li>• Climate + oceans action (oceans clean-up, sargassum)</li> <li>• Business sustainability/circularity</li> </ul>	<ul style="list-style-type: none"> <li>• Regional demand ("hubbing")</li> <li>• Cultural/geographic proximity</li> <li>• Relatively high tradeability</li> </ul>
Domestic	<ul style="list-style-type: none"> <li>• Coastal assets</li> <li>• Transition to renewables</li> <li>• Ratification of MEAs</li> <li>• Green capital inflows (GEF)</li> </ul>	<ul style="list-style-type: none"> <li>• Large tourism sector</li> <li>• Public-private momentum</li> </ul>



# Coastal and Marine Protection

- The Coastal Zone Management Unit (CZMU) was formed in 1996 to manage the coastal zone of Barbados.
- This Unit is globally recognized as a best practice model



# Coastal and Marine Protection

- Barbados currently has *one marine protected reserve along the island's west coast*: The **Folkestone Park and Marine Reserve**, also known as Barbados Marine Reserve that was established in **1981**.
- It is a **no fishing area** with four zones: a scientific research zone, a northern water sports zone, a recreational zone, and a southern water sports zone.
- There are plans to extend the existing boundaries of this marine managed area.
- There are also plans to establish a new marine management area on the south coast through the designation of Carlisle Bay with extended boundaries.

# Trade Liberalisation

- EU-Cariforum EPA
- Environmental provisions in the EPA call for promoting capacity building and cooperation to improve environmental management, eco-innovation, and the production of environmental goods and services.
- Trend towards and need for environmental management, especially when link to tourism

# Challenges in the sector

- Limited data on services
- A very broad classification



# Recommendations



- Can the CZMU trade their services and expertise?
- Could an independent institute be created in addition to their exchange in expertise and technical assistance to other countries which would be a model to benefit from the capacity created through their best practice ICZM?
- Could this function as a regional hub for best practices in the Green/Blue Economy?

# Recommendations

- Explore the areas where data may exist but have to be disaggregated from other existing data
- Establishment of new data requirements that need to be collected
- Create a voluntary e-register of companies and firms providing these services.

# Discussion