



UWI

CAVE HILL CAMPUS
BARBADOS, WEST INDIES



Roundtable

1

Oceanography & Climate Change



ROUNDTABLE REPORT

Roundtable One: Environmental Research Agenda

Topic: Oceanography & Climate Change

INSTRUCTIONS

Persons should have selected this topic because they have an interest or expertise in the specific area.

This is a regional issue, therefore do not focus exclusively on the Barbadian situation, but think about the regional experience and brainstorm regional, international as well as local actions that might be required.

Each group must **select a rapporteur** who will be responsible for summarising and recording the main points made for each question.

Over the next **2 hours** have been allocated for this discussion. The Moderator will announce time checks every 20 minutes. Groups should try to use their time to ensure that they **address all 5 questions**.

At the end of the session this booklet must be handed to one of the administrative staff.

The information will be compiled and emailed to all of the Symposium participants.

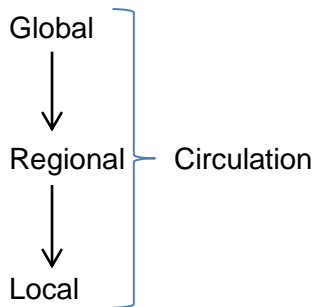
1. What is being done and lessons learnt?

- University of Southern Mississippi – Oceanographic Modelling (see Prof. Hazel Oxenford's presentation).
- Texas A & M – SEAS Sargassum Early Advisory System
- Ph2 – Expanding to cover the Caribbean
- Dr. Emma Smith – Logging actual vs. predicted
- University of French Antilles – Guadeloupe – Proposal for funding to understand Oceanography
- Mark Hill – Biogen/Innogen
- Circulation Studies – Has identified landing hot-spots
- CRMP/Baird
- Coastal Risk Assessment & Management Programme – Circulation and Water Quality Study – Specific to Barbados
- Dr. Brian LaPointe – Sargassum Expert
- University of South Florida

2. What are the issues to be investigated?

Prediction:

- Onset/Frequency
- Quantity
- Locations of Landing



Understanding sources/triggers – Climate Change Y/N?

How does Sargassum relate to Climate Change?

Application of existing work/technology to Barbados:

- Ground truthing SEAS for ex.
- Citizen science contribution – Hotline/'app'

→ Validate models

APPLICATION OF SCIENCE:

- Business – Using it – Need to know sustainability/quantity of raw material
- Warnings – Plan beach clean ups | Two-way Communication
- Fishermen avoid

↓
Users send info – Like traffic warnings

LITERATURE REVIEW:

- Experience from history, other locations

INFORMATION COLLECTION AND DISSEMINATION:

- Targeted/Strategic Response/Warning Systems

DATA MANAGEMENT/COORDINATION:

- Centralised System → Training

ECONOMIC VALUATION/COST-BENEFIT – 2 APPROACHES:

- Remove it vs. Use it

Local efforts to improve water quality? Would they make a difference?

3. Who are the stakeholders to be involved?

FISHER FOLK/BOATERS

BEACH USERS - Local → Citizen Science

Training Required

- Tourists → Particularly repeat guests who want to help.

RESEARCH PARTNERS:

- University of Mississippi, TAMU, University of French Antilles, USF

LOCAL GOVERNMENT AGENCIES:

- CZMU - CRMP Circulation & Water Quality Study - UWI
- NCC

REGIONAL:

- CCCCC
- CRFM
- CDEMA

BUSINESS COMMUNITY –

E.g., Biogen/Innogen

- Regional?
- Energy Sector

4. What resources are required?

Money goes without saying

DATA:

- Water Quality
- Location of Mats (Citizen Science)
- Satellite Imagery
- Currents

DATA MANAGEMENT SYSTEM & TOOLS

MODELLING:

- Scientists & Computer Software

LABORATORY RESOURCES

PARTNERSHIPS WITH OTHERS DOING SIMILAR WORK

5. What are potential sources of funding?

- UNEP
- CDB
- GEF
- IDB (CRMP)
- FAO
- Private Sources – Business Community (Market Study), Tourism Sector
- CCCCC
- “Green Funds” – Climate Change
- Crowd Sourcing
- Use of Government Environment Fund
- African Partnerships?

SARGASSUM ROUNDTABLE REPORT



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Thank You for Your Participation

**At the end of the session please hand this booklet to one of the
administrative staff.**