# Widening and strengthening marine protected area stakeholder engagement using an integrated ecosystem-based approach

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## Table of Contents

**INTRODUCTION** ..... **1**

**OBJECTIVES** ..... **2**

**METHOD** ..... **3**

**RESULTS** ..... **4**

**DISCUSSION** ..... **9**

**KEY LESSONS LEARNED** ..... **10**

**REFERENCES** ..... **11**

**APPENDIXES** ..... **12**

APPENDIX 1: BACKGROUND INFORMATION: EXISTING LEGISLATION AND DESIGNATION CATEGORIES. ..... 12

APPENDIX 2: WORKSHOP DRAFT AGENDA ON STRATEGIC PLANNING FOR WOBURN CLARK'S COURT BAY MARINE PROTECTED AREA (WCCBMPA) MANAGEMENT. ..... 14

APPENDIX 3: INVITE LETTER TO THE PS. ..... 15

APPENDIX 4 : SAMPLE STAKEHOLDER INVITE LETTER. ..... 16

APPENDIX 5: WORKSHOP ATTENDANCE LIST ..... 17

APPENDIX 6: WORKSHOP POWER POINT PRESENTATIONS ..... 19

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## Introduction

The Grenada Fisheries Division developed a marine protected area (MPA) programme in 1980, with assistance from an external funding source. The Division coordinated the designation of the Woburn/Clarke's Court Bay and Moliniere/Beausejour MPAs in 2001 (Gardner 2006). Currently, independent consultants are working with the Fisheries Division to develop the Woburn/Clarke's Court Bay MPA (WCCBMPA) management plan and zoning plans. While the MPA management plan development is underway, a number of governance issues and the integration between government institutions will shape the quality and effectiveness of MPA implementation.

Under the CERMES NOAA MPA adaptive governance project, this team has been conducting follow up activities at the WCCBMPA. The first site based activity focused on fishermen consultations. The second follow up activity took place during the MPA governance workshop field trip, and focused on multi-stakeholder consultation meetings for the WCCBMPA. The two MPA governance activities for WCCBMPA highlighted the following key main issues affecting the protected area planning process:

- Lack of coordination and communication between government departments in the current development process of the WCCBMPA.
- Lack of clear vision as to how the on going marina and private home developments will be incorporated in the WCCBMPA management planning.
- Lack of clear response of how the WCCBMPA management plan is going to deal with pollution problems coming from the factory outlet and yacht discharges in the MPA.

Furthermore, at the national level, it is not clear how the National Implementation Strategic Partnership (NISP) Committee, the institution guiding national protected area management, will address the integration of national economic development plans with protected areas, including MPAs. This issue has been also frequently highlighted by the NISP members, who recognize that strengthening and integrating all sectors will impact protected areas planning, management, regulation and enforcement.

In Grenada, there is great need for understanding the diverse mix of regulations needed to manage ecosystems effectively, each pertaining to a particular use and addressing a particular threat. This can be implemented effectively only through an integrated approach. To reduce stakeholders conflicting interests and gain public support and community respect that may steer people to comply with management in future, it is important to focus MPA management on what matters the most, and connect the management activities that may have previously

been planned and executed in isolation by the planners (Clarke & Jupiter 2010). Deliberate work to build collaboration and coordination across diverse sectors such as through land use planning is highly critical at this stage of WCCBMPA development. Industrial developments that may be isolated from or conflict with one another are problematic. Wherever possible, it is preferable to work with and through development of existing institutions to achieve the overarching policy and program frameworks needed to achieve ecosystem based management (EBM) goals.

Protected area integration fosters collaborative processes between protected area managers, as well as other stakeholders and decision makers from broader natural resource sectors. These collaborations will enhance protected area management into the future. Agencies responsible for protected area management are often small and increasingly are managed under the umbrella of large natural resource management agencies. Thus effective relationships and partnerships must be forged with other local communities and stakeholders (Clarke & Jupiter 2010). The complexity of the issues facing marine and coastal ecosystems will require that governance and management be integrated, just as ecosystems are interconnected.

Ecosystem based management provides this integrated approach. It seeks to link previously sector-based management, like forestry and fisheries, and considers the full range of uses that affect an ecosystem or ecosystems.

- Rather than single sector management, the EBM process seeks management of the whole ecosystem; integrating all sectors that impact, or are impacted by, the ecosystem; with coordinated management at all levels relevant to the ecosystem.
- EBM builds on what is already being done through sector or issue specific approaches.
- EBM does not require that everything be done all at once but allows for prioritization of the most important management issues and actions (CERMES 2011).

## Objectives

- To apply an integrated ecosystem based approach to the WCCBMPA management planning process.
- To strengthen relationships within government agencies responsible for the management of land and marine resources across the broader landscape in WCCB.
- To develop informative and procedural understanding with different government sectors in relation to industrial development and resource management and biodiversity protection. Environmental Impact Assessment (EIA) and MPAs, how industrial development will be impacting the MPA management plan process.
- To identify an effective coordination and communication strategy between multiple government sectors in relation to protected areas, using existing policy instruments

such as the Systems Plan, Marine and Land strategy and coastal zone management plan.

- To find ways for the National Implementation Strategy Partnership to play a stronger role in the guidance of the WCCBMPA and overall in national protected area management.

## Method

A half-day workshop was organized to bring relevant institutions together to discuss the key issues mentioned above. The Permanent Secretary (PS) for the Ministry of Agriculture Forestry and Fisheries was invited to be the guest speaker for the opening of the workshop to spearhead the call for the inter-sectorial collaboration between his departments and other relevant ministries in relation to MPA management.

The focus of this half-day workshop meeting was primarily to identify stakeholders directly related to the issues of ongoing resource development and pollution issues in the MPA area. Therefore, this meeting focused on how select stakeholders related to these issues and did not attempt to include all key institutions as listed in Appendix 1.
The following workshop details are attached in the Appendixes:

- Appendix 2: Workshop agenda
- Appendix 3: Invite letter to the PS
- Appendix 4: Sample invite letter to the departments
- Appendix 5: Workshop attendance list.
- Appendix 6 Workshop presentations

## Results

### A. Stakeholder Identification

Before the stakeholder engagement process began for this activity the key institutions listed in Table 1 were carefully identified in relation to the urgent issues (ongoing resource development and pollution) highlighted from the first governance project activity. These stakeholders were identified as people who would have information on, knowledge and expertise of, and control and influence over the development and pollution issues in the WCCBMPA.

Table 1: List of target Institutions and their role in relation to the protected area

| Target Institutions | Role |
|---|---|
| Ministry of Finance: Physical planning unit (PPU). | The department's Physical Planning unit is responsible for approvals of development plans in the area. |
| Grenada Industrial Development Corporation (GIDC). | GIDC is the investment promotion agency of the Government of Grenada. GIDC is responsible for promoting development in the area. |
| Clarke's Court Rum Distillery, Grenada Distillers Limited (GDL). | GDL is the largest distillery in Grenada. The distillery waste outfall is in the WCCB MPA. The industry needs to find ways to manage its waste. |
| National Water and Sewage Authority (NAWSA). | NAWSA is responsible for the treatment and disposal of liquid sewage. |
| Ministry of Agriculture, Forestry and Fisheries.<br>The Forestry and National Parks Department, Fisheries Division | The Ministry responsible for the development of protected area plans. |

Table 2. Stakeholders in this participatory process identified were represented in three main stakeholder groups: · Government sectors & authorities, business/ private sector, civil society and other.

| **Government Sectors & Authorities** | **Business / private sector** | **Civil Society** | **Other (Technical and scientific team)** |
|---|---|---|---|
| Ministry of the Environment | GIDC | Grenada Fund for Conservation | Saint George University / MPA scientific team. |
| Ministry of Finance. PPU | GDL | | WCCBMPA plan consultant |
| MAFF<br>The Forestry and National Parks Department, Fisheries | | | CERMES MPA Specialist |
| Ministry of Health:<br>Environmental health officer | | | Grenada Dove & Forest protected Area advisor |
| Ports Authority | | | |
| National Water Sewage authority | | | |

**B. Stakeholder analysis.**

Table 3: Multi stakeholder Matrix showing stakeholder interest, shortcomings, roles and power, in their capacities for participation and their potential contributions to the planning and implementation of management actions.

| Stakeholder Analysis Matrix | Interest related to MPA management | Development plans in the area | Fisheries Division Relation with other stakeholders in relation to current WCCMPA planning | Potential role in the MPA, need for support | Degree of influence of stakeholder over the WCCBMPA project. 1.Unknown 2.Little or No influence 3. Some influence 4. Moderate influence 5.Significant influence 6.Very influential |
|---|---|---|---|---|---|
| **Government sector** | | | | | |
| Ministry of Finance: Physical Planning department | Resource development in the Bay | South Coast development plan 2012 | No | Provide information on Grenada South Coast development plan. | Very influential |
| Ministry of Environment: Environment Unit | Resource protection, Coastal zone management | No update | Poor | Environment and coastal management coordination of activities in the area. | Significant influence. (EIA assessments) |
| Ministry of Health: Environmental Health Officer | Create and foster healthy environment | No update | No | Assisting the environment health and sewage / factory pollution issues. | Some influence |
| MAFF Department of Lands | Land development | | Poor | Assist integrate reef and ridge concept as per the land and Marine strategy | Very influential |
| MAFF Department of Forestry | Forest protection | Mt Hartman forest protected area | Poor | PA planning. | Significant influence |
| Department of Fisheries | Protect the nursery grounds | WCCBMPA | | Need to coordinate more with other sectors | Very influential |
| Ports Authority | | | Unknown | Law and enforcement | Unknown |
| **Private sector** | | | | | |
| GIDC | Promote economic development. Facilitate and coordinate development procedures | Marine development, promote South Coast development | No relationship | Advertise on the web site. The area is marked as protected | Very influential |
| Rum distillers | No interest. | On going factory waste disposal and pollution | No relationship | Need cooperation in dealing with factory waste and pollution in the park. | |

## C. Stakeholder Communication

Table 4: Stakeholder current communication status and proposed communication in relation to WCCBMPA planning and establishment.
Key: Who is talking to Whom X . Who should talk to whom.✓Absent Departments who were invited to the meeting but did not attend.

| Stake-holders | PPU | Environ-ment Unit | Fisher-ies | NAWAS | Min of Health | GIDC | Rum Factory | Forestry | Lands | Ports Authority /Law enforce-ment |
|---|---|---|---|---|---|---|---|---|---|---|
| PPU | Absent | | | | | | | | | |
| Environment unit | **X** | | | **X** | | | | **X** | | |
| Fisheries | ☐ | **X** | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| NAWASA | Absent | | | | | | | | | |
| Health | Absent | | | | | | | | | |
| GIDC | **X** | **X** | | | | | | **X** | | **X** |
| Rum Factory | Absent | | | | | | | | | |
| Forestry | ☐ | | ☐ | | | ☐ | **X** | **X** | | |
| Lands | Absent | | | | | | | | | |
| Ports Authority / Law enforcement | Absent | | | | | | | | | |

## D. Steps towards Strategic planning for strengthening collaborative processes in WCCBMPA.

| Objectives: | Strategic Direction | Resource requirement | Who is responsible |
|---|---|---|---|
| Establish inter-government sectorial linkage | More follow up meetings to develop the understanding of the integrated approach to meet biodiversity protection agenda.<br><br>More efforts, drives, and calls needed for inter-sectorial coordination PA.<br><br>Update MPA plans and implementation challenges at sustainable development planning level. | Capacity needed for steps to integrated ecosystem approach / planning and implementation.<br><br>Human resources to facilitate the change in traditional government single sector based. | Currently Ministry of Environment plays a coordinating role. This should be strengthened in relation to the MPA<br><br>Sustainable Development Council<br><br>Should fisheries division take a lead in the case of WCCBMPA? |
| Establish relationship with GIDC | Develop awareness and understanding of development plans through stakeholder engagement.<br><br>Call meetings with GIDC or attend meetings with GIDC to update the economic development board on the resource protection and management plans.<br><br>Learn about GIDC operations. | Communication | Fisheries division. |
| National level efforts: Strengthen NISP coordination | Strengthen NISP committee to provide technical and policy guidance to protected areas planning and implementation. | The coordination role needs full time position with Ministry of Environment | Not clear. |

| Objectives: | Strategic Direction | Resource requirement | Who is responsible |
|---|---|---|---|
| Bridge the gaps between Grenada government South Coast development plans and WCCBMPA plan. | • Inter – sectorial workplan planning<br>• Develop coherent in economic and resource protection and management planning process between sectors and other relevant stakeholders. | Information mobilization<br><br>Communication and mobilization | Not clear |
| Establish relation ship with Rum Distillers together with other inter government agencies | Follow up meetings and engagement with the rum factory managing body.<br><br>Follow up with any existing strategies to deal with the factory pollution in the bay affecting the ecosystems. | Private sector engagement and communication | Fisheries with NAWSA, and other government sectors. Who is going to take the lead ? Not clear |
| Strengthen inter-sectorial administrative linkage between Ministries and private sector | Follow up and strengthening on National communication strategy. | Communication and mobilization | Fisheries Division and MAFF.<br><br>Not clear in particular which office and personnel. |

## Discussion

Implementation of integrated, ecosystem-based approaches to resource management has been urged for decades; however, it was not until recently that EBM became firmly established as a guiding principle for resource management in the oceans. EBM is now central in efforts to recover depleted marine species and their sustaining ecosystems (deReynier et al. 2010)

Government agencies operate within significant financial and human resource constraints, and there are often limited internal and external structures for cross-sectorial engagement. Consequently, government agencies tend to adopt a fragmented approach to management of

natural resources and the environment. In many cases, this fragmentation leads to poor ecosystem management outcomes and this has been well noted by the technical staffs of the Ministry of Forestry and Fisheries (MAFF) in the WCCBMPA planning process.

WCCBMPA management planning and establishment provides an opportunity for the MAFF Fisheries division to use it as a case study of an integrated ecosystem management approach, and identify practical opportunities for improved institutional integration at the government level.. The ongoing site-based MPA issues such as industrial, sewage pollution and south coast economic development plans, provide an important call for broader policy processes. Effective communication with government requires an understanding of the policy priorities of each relevant agency, and may involve assessing and presenting the benefits of EBM in socio-economic terms and the need for a change in approach.

Creating an enabling environment for cross-sector engagement is a key step towards integrated ecosystem based approach. Recognized during this participatory exercise was the high level ministerial engagement, who also highlighted the need for inter-sectorial engagement and commitment between the heads of other ministries and departments.

This activity led to the first multi-stakeholder consultation meeting to discuss WCCBMPA management planning process. It gave MPA managers a first hand experience on government sector stakeholder engagement. The multi sector stakeholder identification and engagement exercise provided the MPA coordinator, Mr. Roland Baldeo, guidance in identifying the key institutions that need to be engaged in the early process of WCCBMPA planning. He noted the need for interagency liaisons early in the planning process organized around specific issues affecting the WCCB ecosystem problems. The engagement provided stakeholders with an opportunity to share their departments' upcoming plans in relation to the WCCBMPA and discuss the steps towards strategic planning for strengthening collaborative processes.

## Key Lessons Learned

- To meet the above objectives, a series of workshop and meetings need to be conducted to follow up on the strategic direction for an effective MPA planning process. Although, the preliminary workshop made the first small step in the direction of multi government sectorial communication under MPAs, more discussions are needed to further implement the strategies outlined.
- Attendance by some of the department heads was low. In the future, further outreach and face-to-face communication is needed prior to these meetings so that they can understand the significance of their participation in the process.
- The multi-stakeholder workshop process enabled the MPA planner to build capacity in stakeholder engagement and tailored consultation processes.
- Effectiveness of government interventions in natural resource management issues is often undermined by fragmentation of responsibilities within and between

government agencies. An internal and external communication strategy is critical for administrative and institutional support.

- The strategic planning process enabled stakeholders to find ways that an EBM approach can lead government agencies to look for responsible, cost-effective ways to share the roles and responsibilities of the policy implementation of WCCBMPA and, at the same time, achieve the goal of resource protection. However, this can be restricted by administrative, communication and institutional challenges.
- National-level government agencies have an interest in ecosystem-based management, but private sector NGO's and research institutions may be able to push modifications in the government institutional process necessary for implementation of EBM.

## References


CERMES. 2011. Report of the first workshop on adaptive capacity for marine protected area governance in the eastern Caribbean. MPA Governance Project. Centre for Resource Management and Environmental Studies (CERMES), UWI Cave Hill Campus, Barbados. 42pp.

Clarke, P. and S. Jupiter. 2010. Principles and Practice of Ecosystem-Based Management: A Guide for Conservation Practitioners in the Tropical Western Pacific. Wildlife Conservation Society. Suva, Fiji.

deReynier, Y., P. Levin, N. Shoji. 2010. Bringing stakeholders, scientists, and managers together through an integrated ecosystem assessment process. Marine Policy 34: 534–540

Gardner, L. 2006. Review of the Policy, Legal, and Institutional Frameworks for Protected Area Management in Grenada. Environment and Sustainable Development Unit, Organization of Eastern Caribbean States.

## Appendixes

### Appendix 1: Background information: Existing Legislation and Designation Categories.

In Grenada, terrestrial and/or marine protected areas, including designation as national park, protected area, marine reserve (protected area), heritage conservation area and forest reserve, are designated under the National Parks and Protected Areas Act (1991), the Fisheries Act 1986, the 2001 Fisheries (Marine Protected Areas) Regulations, the 2002 Physical Planning and Development Control Act, the 1990 National Heritage Protection Act and the 1947 Forest, Soil and Water Conservation Act, or, in some cases of forest reserves such as Grand Etang and Annandale, by separate acts of the Legislature.

The National Parks and Protected Areas Act grants authority for the Governor-General to proclaim government land, leased or purchased land or donated land, as a national park. In addition, the Minister responsible for the Act, currently the Minister of Agriculture, can declare government land to be a protected area for the purpose of:

- preserving the natural beauty, including flora and fauna
- creating a recreation area
- commemorating an historic event of national importance
- preserving a historic landmark or a place or object of historic, prehistoric, archaeological, cultural or scientific importance

The Fisheries Act 1986 allows the Minister responsible for the Act, currently the Minister of Agriculture, to declare any area of fisheries waters and any adjacent or surrounding land as a marine reserve for the purpose of:

- affording special protection to the flora and fauna of the area and to protect and preserve the natural breeding grounds and habitats of aquatic life, with particular regard to flora and fauna in danger of extinction
- allowing for the natural regeneration of aquatic life in areas where such life has been depleted
- promoting scientific study and research preserving and enhancing the natural beauty. The accompanying 2001 Fisheries (Marine Protected Areas) Regulations further defines a marine reserve as a marine protected area4. The Regulations, in turn, allow a part of a marine protected area to be established as a:
- marine historical site (contains structures, art facts or human remains and which needs to be protected for its historical or cultural value)
- marine park (reserved for public recreation) marine reserve (special management for the purpose of protecting the natural resources)
- marine sanctuary (open only for the purpose of scientific research)
- or a combination of any. These designations generally serve as zones for management

planning processes of marine reserves but they can also be specific to categorize a site.

The 2002 Physical Planning and Development Control Act includes an objective to protect and conserve the natural and cultural heritage of Grenada. The Minister responsible for the Act, currently the Minister of Finance, may give general policy direction to national or community plans to achieve that objective by designating a heritage conservation area or an environmental area.

The selection, and possible deletion, of protected areas must be in concert with overall land use planning for Grenada. The Physical Planning Unit, in its ongoing program to prepare local area plans, is gathering comprehensive inventories of natural and cultural values and recommending land uses, such as conservation and heritage, based on those values. This planning process also recognizes resources in the marine environment. The process, with extensive community involvement and consultation, has considerable merit in ensuring support for establishing protected areas.

The National Heritage Protection Act is directed at the protection of Amerindian and pre-Columbian artefacts and allows for designation of a protected area to restrict extraction and disturbance.

The key institutions which have a mandate for managing aspects of biological diversity include the following:

- Ministry of Agriculture (Forestry Department, Fisheries Division, Pest Management Unit, Agronomy Division, Extension Division, Pesticide Control Board and the Land Use Division);
- Ministry of Tourism (National Parks Department); Grenada Board of Tourism; l
- Ministry of Finance (Economic Planning, Physical Planning Unit, Land Control Development Authority);
- Ministry of Legal Affairs, Ministry of Foreign Affairs Ministry of Health and the Environment; national Science and Technology Council; National Water and Sewerage Authority.

Guiding policy instruments

- Protected Area Systems Plan
- Land and Marine Strategy plan

Appendix 2: Workshop Draft Agenda on strategic planning for Woburn Clark's Court Bay Marine Protected Area (WCCBMPA) Management.

**09:00 – 12.30 pm on 8th May 2012, Fisheries Division Conference Room, Melville Street. St George's**

| **May 8th Tuesday** | **Workshop sessions** |
|---|---|
| 9.00 – 9.15 | Welcome<br>Workshop objectives and expectation: Facilitator |
| 9.15 - 9.30 | Link to policy to practice: Ecosystem based approach: Opening remarks by the MAFF (PS): Spear heading the call for inter-sectorial collaboration |
| 9.30 – 9.45 | Strategic goals of national MPA plans<br>Case WCCBMPA management development: (Fisheries division presentation) |
| 9.45 – 10.15 | Ecosystem based approach: Current MPA management issues in relation to resource development. (CERMES and Fisheries Division) |
| 10.15 - 10.30 | Tea Break |
| 10.30 – 11.15 | (Discussion) What are the different departments or entities shortcomings in the national development in relation to WCCBMPA.<br>Updates from different departments in reflection to the issues<br>How to Bridge the gap between PPU and implementers of the system plan. (Facilitator) |
| 11: 15 – 12: 15 | (Discussion) Steps towards Strategic planning for strengthening collaborative processes between protected area managers and other stakeholders and decision makers from broader natural resource sectors. (Facilitator) |
| 12.15 – 12.30 | Wrap up |

## Appendix 3: Invite letter to the PS.

The letter was printed on The Fisheries Division Letter head and signed by the Chief Fisheries officer.

April 24th 2012,
Mr Aaron Francois,
Permanent Secretary,
Ministry of Agriculture, Forestry and Fisheries
Ministry Complex, St Geroge's.

Dear Mr Francois,

**Re: Workshop on strategic planning for Woburn Clark's Court Bay Marine Protected Area (WCCBMPA) Management 09:00 – 12.30 pm on 8th May 2012, Fisheries Division Conference Room, Melville Street. St George's.**

The Fisheries Division under its Marine Protected Area program is in the process of finalizing the 'Management Plan' for the Woburn Clark's Court Bay Marine Protected Area. Specific issues will be addressed relating to how current national natural resource development plans in the MPAs or in protected areas will be addressed by respective protected area management plan. The need of strengthening and integrating all sectors that impact the protected areas planning, management, regulation and enforcement was recognized.

**Thus, we cordially would like to invite you to be the guest speaker for the opening of the workshop to spearhead a call for the inter-sectorial collaboration**.

The half- day workshop project will focus on strengthening relationships between conservation practitioner's and government agencies responsible for the management of land and marine resources across the broader landscape in WCCB and the business development agencies. The specific objective is

- To develop clear informative and procedural understanding with different government sectors in relation to industrial development and resource management and biodiversity protection.
- To identify an effective coordination and communication strategy between multi government sectors in relation to protected areas.

Yours will be a valuable contribution to this MPA strategic planning. We very much hope that you will be able to attend this event and we look forward to your participation. A draft workshop programme is attached for your information. For any further information, please contact Mr. Roland Baldeo – MPA Coordinator rolandbaldeo@hotmail.com or Ms. Zaidy Khan, [zaidy.khan@gmail.com] CERMES MPA Governance project field manager.

Sincerely,
..Justin Rennie Chief Fisheries Officer

## Appendix 4 : Sample Stakeholder invite letter.

The letter was printed on The Fisheries Division Letter head and signed by the Chief Fisheries officer.

Dear ……

**Re: <u>Workshop on strategic planning for Woburn Clark's Court Bay Marine Protected Area (WCCBMPA) Management</u>**

**<u>09:00 – 12.30 pm on 8th May 2012, Fisheries Division Conference Room, Melville Street, St George's.</u>**

The Fisheries Division under its Marine Protected Area program is in the process of finalizing the 'Management Plan' for the Woburn Clark's Court Bay Marine Protected Area. Specific issues will be addressed relating to how current national natural resource development plans in the MPAs or in protected areas will be addressed by respective protected area management plan. The need of strengthening and integrating all sectors that impact the protected areas planning, management, regulation and enforcement has been recognized.

The half- day workshop project will focus on strengthening relationships between conservation practitioners and government agencies responsible for the management of land and marine resources across the broader landscape in WCCB and the business development agencies. The specific objective is

- To develop clear informative and procedural understanding with different government sectors in relation to industrial development and resource management and biodiversity protection.
- To identify an effective coordination and communication strategy between multi government sectors in relation to protected areas.

Thus, we cordially would like to invite you or your designate to be discussant in the workshop to share your department's current plans with protected areas.

Yours will be a valuable contribution to this MPA strategic planning. We very much hope that you will be able to attend this event and we look forward to your participation. A draft workshop programme is attached for your information. For any further information, please contact Mr. Roland Baldeo – MPA Coordinator rolandbaldeo@hotmail.com or Ms. Zaidy Khan, [zaidy.khan@gmail.com] CERMES MPA Governance project field manager.

Sincerely,

.....
Justin Rennie
Chief Fisheries Officer

## Appendix 5: Workshop Attendance list

**Guest speakers**

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## Appendix 6: Workshop Power Point Presentations

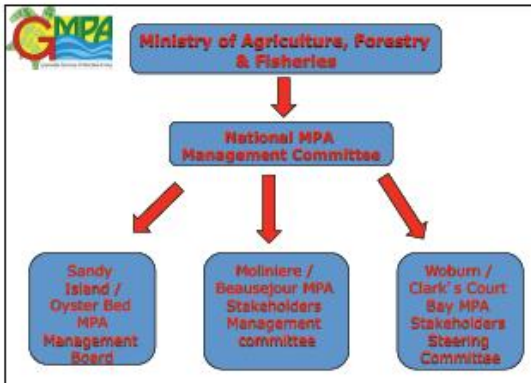
MPA Governance Activity 2

Roland Baldeo

Strategic Goals of National MPA Program

Roland A. Baldeo
MPA Coordinator

Management Structure of MPA



## Woburn / Clark's Court Bay Stakeholders Steering Committee

## Stakeholders Management Committee

## Moliniere Beausejour MPA Stakeholders Advisory Committee

## MPA Regulations

- Grenada Marine protected Area Regulations SRO #78 of 2001

## How MPA's are Finance

- Government of Grenada
- DONOR AGENCIES,
- TNC
- USAID
- UNEP / CaMPAM
- Bucco Reef Trust
- CERMES UWI
- National Fish & Wildlife Foundation
- NOAA

## Warden Operation MBMPA

Sustainable Financing & Management of Eastern Caribbean Marine Ecosystem Project

The first component would support the establishment of sustainable financing mechanisms for Protected Areas (PAs) in the 5 participating countries

The second component would support the phased expansion of Marine Protected Areas (MPA) networks.

The third component would support the deployment of a regional monitoring and information system network.

The fourth component would undertake project management and coordination.

Trust Fund

WOBURN / CLARK' S COURT BAY MPA

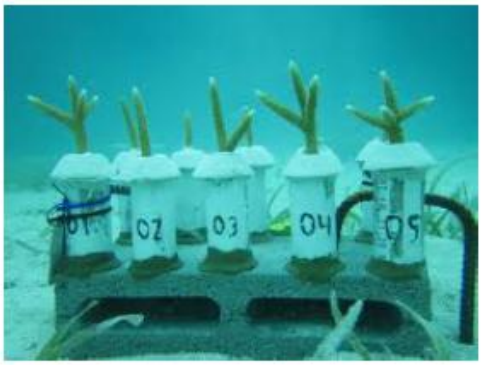
Fisheries Division - Ministry of Agriculture, Forestry and Fisheries
Key Action Plan leading up to the official launching of the Woburn / Clark's Court Bay Marine Protected Area

| Activity | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preparation of Management Plan | | | | | | | | | | | | |
| Meeting with Stakeholders Management Steering Committee | | | | | | | | | | | | |
| Delivery of Draft Management Plan | | | | | | | | | | | | |
| Stakeholders consultation to discuss and accept draft Management Plan | | | | | | | | | | | | |
| Conduct Baseline Survey | | | | | | | | | | | | |
| Conduct Socio Econ Survey | | | | | | | | | | | | |
| Initiate WCCBMPA Management Board | | | | | | | | | | | | |
| Planning meetings with Management Board | | | | | | | | | | | | |
| Preparation of Zoning Plan | | | | | | | | | | | | |
| Demarcation of the area. | | | | | | | | | | | | |
| Installation of mooring buoys | | | | | | | | | | | | |
| Public Awareness Campaign: Radio, TV, Newspapers, Billboards, Flyers, Posters, Internet | | | | | | | | | | | | |
| Recruitment and Training of 2 MPA Wardens | | | | | | | | | | | | |
| Procurement of Patrol Vessel | | | | | | | | | | | | |
| Official Launching of the WCCBMPA | | | | | | | | | | | | |
| Active Management of the WCCBMPA | | | | | | | | | | | | |

Grand Anse MPA

Enforcement Challenges

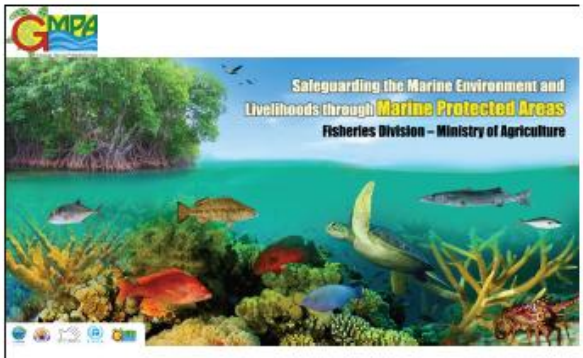
REEF RESTORATION
PROJECT

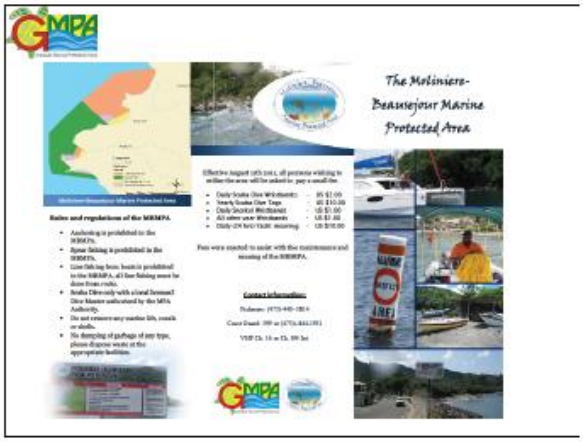


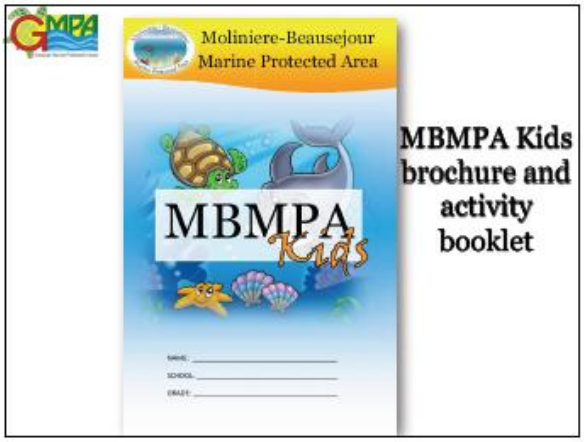
Fl Aom 4

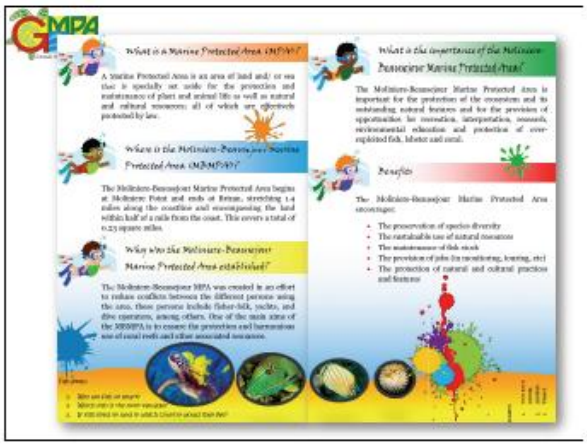
Fragmenting

Public Awareness Promotion

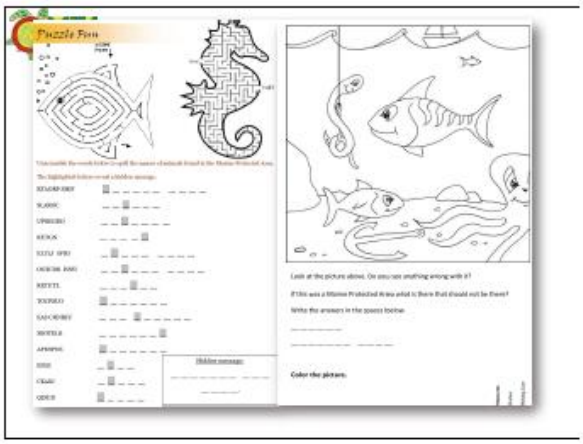


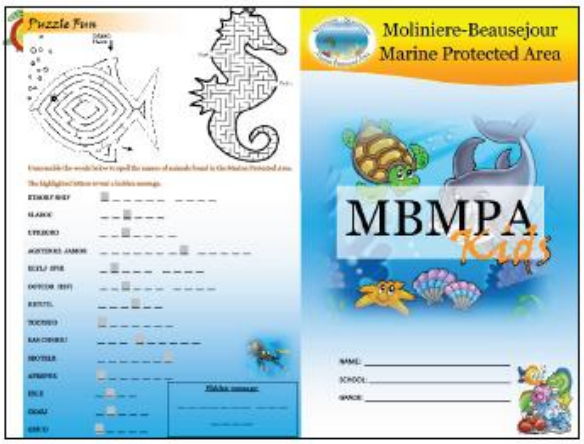

The Moliniere-Beausejour Marine Protected Area


Moliniere-Beausejour Marine Protected Area
MBMPA Kids
MBMPA Kids brochure and activity booklet


What is a Marine Protected Area (MPA)?
What is the importance of the Moliniere-Beausejour Marine Protected Area?
Where is the Moliniere-Beausejour Marine Protected Area (MBMPA)?
Benefits
Who was the Moliniere-Beausejour Marine Protected Area established?

Threats to the Marine Protected Area
Pictures from the Marine Protected Area
Macro algae


Puzzle Fun
Color the picture.


Puzzle Fun
Moliniere-Beausejour Marine Protected Area
MBMPA Kids

Activity 2 : MPA Governance
Zaidy Khan

Ecosystem Based approach
( Integrated approach )
Woburn / Clarke's Court Bay

## Outline

* Introduction on CERMES MPA Governance Project.

* WCCBMPA Governance Activity Updates

## Introduction

* The Centre for Resource Management and Environmental Studies (CERMES) UWI , Project :

Adaptive Marine Protected Area Governance Capacity Building In the Eastern Caribbean Countries.

## Project Objective 1

- Develop the adaptive capacity of key stakeholders in Grenada for MPA governance

Strategic planning , governance reform and adaptive management capacity for resilience.

65

## Why MPA Governance : Problem!

- Most MPA interventions focus upon bio-physical, and sometimes socio-economic, activities and benefits.
- Few focus on governance despite growing evidence that ecologically well-designed and managed MPAs fail due to insufficient attention to the human dimension of governance.

66

## Solution?

- Focus on what can or does make MPA governance sustainable or resilient enough to absorb shocks and carry on as strategically planned. ( learning by doing )
- Focus further on the features that give MPA governance arrangements the capacity to be adaptive for this.

67

## MPA Governance : WCCBMPA Activities

* 3 Fishermen Consultation meeting.

## MPA Governance : WCCBMPA Activities

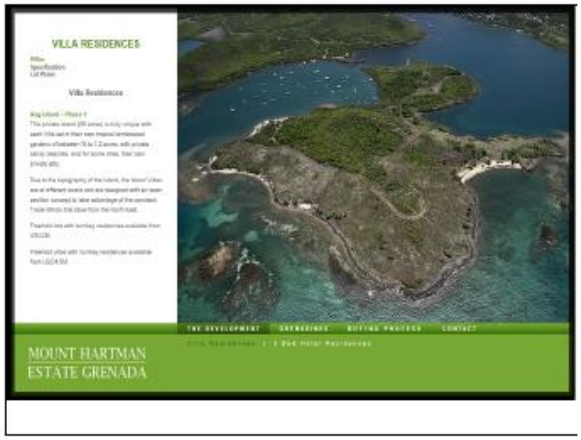
1 Multi stakeholder meeting with fishermen , Yachting sector , Marina operators and developers.

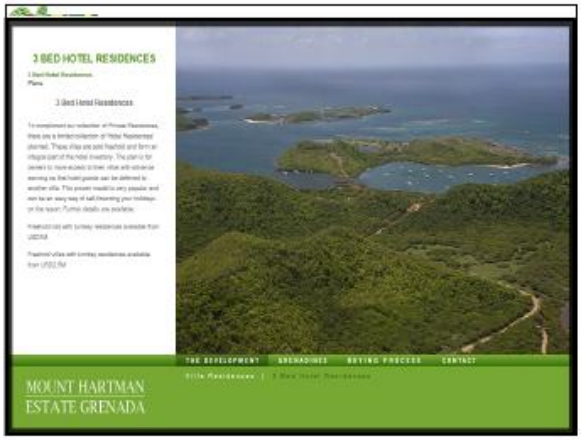
## Preliminary Findings

* lack of coordination and communication between government departments in the current process of WCCMPA
* More information is needed to see how the MPA management plan is going to deal with cumulative pollution ( Factory & Yachting industry) problem in the bay.

## Preliminary Findings

- A clear vision is needed to see how the on going marina development and private home developments will be in incorporated in the WCCBMPA management planning.


VILLA RESIDENCES
THE DEVELOPMENT
GRENADINES
BUYING PROCESS
CONTACT
MOUNT HARTMAN
ESTATE GRENADA


3 BED HOTEL RESIDENCES
THE DEVELOPMENT
GRENADINES
BUYING PROCESS
CONTACT
MOUNT HARTMAN
ESTATE GRENADA

BirdLife
Government of Grenada to sell off National Park for Four Seasons resort
Grenada's Four Seasons resort future funding questioned

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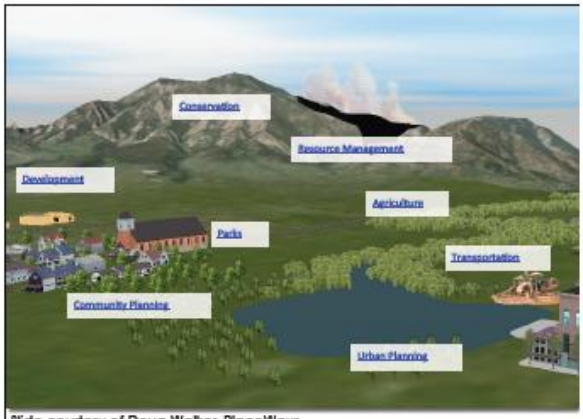
## What Process ?

* The complexity of the issues facing in case of WCCB require that governance must be integrated, just as ecosystems are interconnected.
* Governance that allows and promotes cooperation between agencies, between governments, and between government and other institutions is essential.

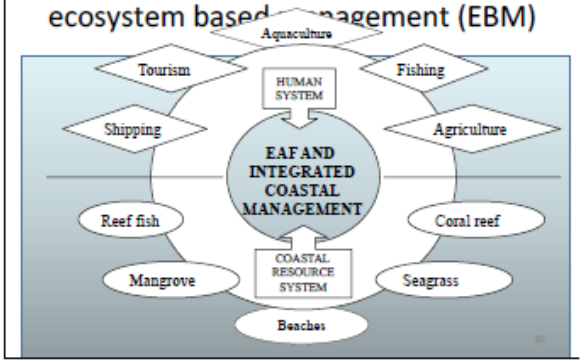



Slide courtesy of Doug Walker, PlaceWays

## Multi – sector approaches

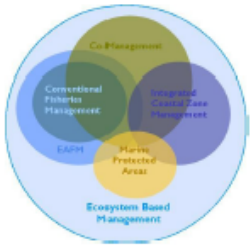
* Multi- sector approaches, such as EBM and ICM, deal with goals for sustainable development in a given region or ecosystem, including all sectors.
* Ecosystem-based management : EBM, is an approach that goes beyond examining single issues, species, or ecosystem functions in isolation.

## Fisheries and coastal resources in ecosystem based management (EBM)




## Ecosystem based Management

- Sector approaches, such as EAFM, focus on managing one sector, e.g. fisheries, in a way that is consistent with a wider ecosystem well-being focus.
- MPAs are likely to be used to address multiple objectives, covering both fisheries management and




## Ecosystem based Management

- Rather than single sector management, the EBM process seeks management of the whole ecosystem; integrating all sectors that impact, or are impacted by, the ecosystem; with coordinated management at all levels relevant to the ecosystem.
- EBM builds on what is already being done through sector or issue specific approaches.
- It does not require that everything be done all at once but allows for prioritization of the most important management issues and actions.

## Ability to Achieve

While MPA implementation is based on the plan and agreements, the quality and effectiveness of MPA implementation are shaped by a number of governance issues or the "ability to achieve"

•Institutions (the different organizations which are involved in governing the resource)

## Steps Towards EBM

- Stakeholder analysis and engagement

## Exercise : process