



A bi-monthly electronic bulletin about interdisciplinary research, teaching and outreach at the
Centre for Resource Management and Environmental Studies (CERMES)
Editors: Maria Pena and Dr. Patrick McConney

Funding for MPA research

By Maria Pena and Patrick McConney

CERMES has received two grants totalling just over USD 183,000 to support two one-year MPA projects within the Caribbean. In June, the National Oceanic and Atmospheric Administration (NOAA) approved a grant of USD 115,000 for *Adaptive capacity for MPA governance in the Caribbean*. Delivered by an international team with considerable practical experience, led by Dr. Patrick McConney, this project approaches MPA capacity development in Grenada, and two comparison countries - St. Lucia and St. Vincent and the Grenadines - through information exchange, tailored training and assistance with learning-by-doing to bring about beneficial changes in knowledge, attitudes and practices. Improvements focus on management effectiveness, communication, community engagement, adaptive ecosystem-based management, reforming governance and participatory monitoring.

The National Fish and Wildlife Foundation (NFWF) in July approved a grant of just over USD 68,000 to support *Socio-economic monitoring by Caribbean Challenge MPA managers*. The project led by CERMES Project Assistant, Maria Pena, has as its long-term conservation outcome, increased capacity for effective MPA management among Caribbean Challenge (CC) countries through the use of social and economic monitoring data in MPA decision-making. The project will involve eight MPAs across three CC countries - Grenada, St. Vincent and the Grenadines, and St. Lucia.

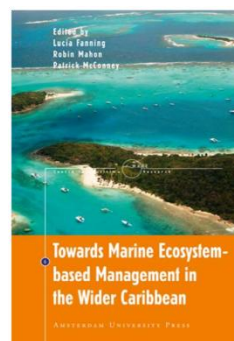
Follow the progress of these projects in subsequent *Connections*.

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New book on EBM

By Robin Mahon



The countries of the Wider Caribbean Region know that in order to ensure the sustainable use of the region's shared marine resources they must adopt and implement an approach that encompasses their human and natural dimensions. This new

volume 'Towards Marine Ecosystem-based Management in the Wider Caribbean' contributes towards that vision, bringing together the collective knowledge and experience of scholars and practitioners within the Wider Caribbean to begin the process of assembling a road map towards marine ecosystem-based management (EBM) for the region.

The book comprises five sections: Setting the stage for principled ocean governance in the Wider Caribbean, social and economic considerations, fisheries ecosystems, governance and synthesis. Topics covered include the major fisheries of the region, livelihoods, economic valuation of ocean

services, marine pollution, marine protected areas, the role of civil society and the institutional arrangements for managing all this complexity that must be taken up when considering an ecosystem-based approach to sustainable use of the marine environment.

The editors of the volume are Dr Lucia Fanning of the Marine Affairs Program, Dalhousie University, Halifax Nova Scotia, Canada, Professor Robin Mahon, and Dr Patrick McConney both of CERMES. The more than seventy authors come mainly from the Wider Caribbean Region but include several well known experts from around the world as well.

What's up with FORCE?

By Robin Mahon

The FORCE Project has just completed field work in its second country, Honduras, with surveys done at three sites in the Bay Islands: West End, Roatan; East Harbour Utila; and the Utila Cays. At each site reef condition, use, dependency and management have been explored through interviews with householders, fishers, tourism operators, managers and other key informants. The team will pause now for four months to analyse the first two countries and then continue to survey the remaining three.



The field team brief Profs Robin Mahon (CERMES UWI) and Selina Stead (Newcastle University) in the Utila Cays (clockwise: Selina Stead, David Gill, Johanna Forster, Rohan Forde, Rachel Turner, Angelie Peterson and Robin Mahon).

Folkestone summer fun

By Renata Goodridge

CERMES Senior Marine Technician, Renata Goodridge, was involved in the Folkestone Summer Camp Programme 2011 again this year. On Tuesday, 16 August, Renata ran Session 7 of the camp programme: *Flora and Fauna of Folkestone Marine Reserve and Park*. She gave a PowerPoint presentation of the marine species being protected within the marine reserve, and took the 30 students (along with the help of park staff and lifeguards) for short snorkels in the marine park lagoon, where they used their new mini-slates to write down and identify marine species while on the move in the water.



Taking notes on fish colour and behaviour to help with identification of fish species

Latest CERMES Tech Reports

By Maria Pena

Have you been visiting our website to check on our most recent CERMES technical reports? If you have, you will have noticed that three more technical reports, 46-48, have been uploaded for your reading pleasure! These reports cover marine spatial planning in SIDS and other developing states; ecosystem-based management principles in the Caribbean; and livelihoods vulnerability and capacity for adaptation to climate change in St. Vincent and the Grenadines. If you haven't had a chance yet to check them out, what are you waiting for? Start clicking on www.cavehill.uwi.edu/cermes!



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MarGov Project Update

by Lyn-Marie Deane and Patrick McConney
with contributions from
Shelly-Ann Cox and Kemraj Parsram,
PhD candidates



Prickly sea egg issues... The St. Lucian edition

By Shelly-Ann Cox

Shelly-Ann's *Chadon* adventure continued with focus group sessions in her three communities of study and the Department of Fisheries (DOF) in St. Lucia. The sessions held in the three communities were very animated providing ecological information as well as information about the interactions between resource users and other stakeholders.



Sea egg divers from Laborie watch as Thomas Nelson (Fisheries Biologist) demonstrates the in-water survey method for estimating sea egg abundance

The resource users also revealed past disappointments which affected their trust of, and the relationships between them and the fisheries management authority. The dynamic varied between communities with respect to their partnership with the DOF. It was revealed that resource users in Laborie had a strong relationship with the DOF whilst on the other

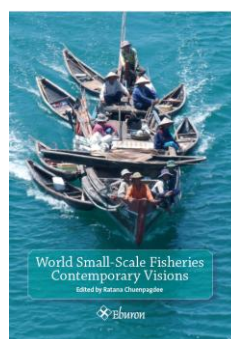
hand the divers of Vieux Fort felt that they were excluded from the decisions made concerning the sea egg fishery.

The focus group at the DOF although not well attended provided great insight into the process of management of the sea egg fishery. The main point emerging out of the discussion was that the inclusion of stakeholders would contribute to a more effective management process.

Shelly-Ann is currently wrapping up her fieldwork and intends to be finished data collection at the end of August. She looks forward to presenting the results in creative ways to inform and inspire readers.

Chapter contribution

By Patrick McConney



In chapter 17 of a new book edited by Ratana Chuenpagdee, entitled *World Small-Scale Fisheries Contemporary Visions*, the MarGov team shares perspectives on *Fisheries networks in the Caribbean*. The chapter

sets out some of the key learning from the MarGov project to date and suggests that there is a lot more that we need to understand about fisheries networks in the Caribbean to fully utilize their potential for improving fisheries governance and livelihoods. For a great summer read go out and pick up your copy! NB there is also a chapter lead authored by our very own Professor Robin Mahon in the same book!



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Forging ahead with governance workshops

By Lyn-Marie Deane

Within the timeframe of six weeks the MarGov project has surged ahead and conducted six of ten workshops in its region-wide “Resilience in fisheries governance and social network analysis” workshop series. The two consecutively run one-day workshops were held in Barbados (21-22 June), Grenada (13-14 July) and Dominica (26-27 July) in collaboration with the Fisheries Divisions of Barbados, Grenada and Dominica respectively.

Each workshop saw approximately 15 to 20 participants in attendance with a particularly large showing of interest and support in Barbados where 30 participants attended on day one and 22 on day two. The primary aim of the workshops is to incorporate resilience thinking into regional fisheries and as such, the first day is devoted to resilience in fisheries governance while day two focuses on explaining the intricacies of social network analysis.



Participants of the Barbados workshops at work during a group session

This series of workshops were conceptualized based on recommendations from the 2010 MarGov Workshop on the “Application of Resilience Thinking to Fisheries Governance”. Of the seven countries to which the workshops were proposed, all seven responded with expressions of interest. St. Vincent and the

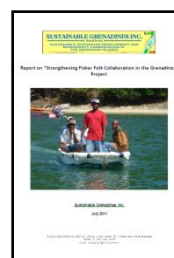
Grenadines is scheduled to host the next two workshops from 7-8 September.

Small grants near completion

By Lyn-Marie Deane

As the MarGov project draws to a close, so will its five active small grants. With the Caribbean Network of Fisherfolk Organisation Coordinating Unit (CNFO-CU), Caribbean Natural Resources Institute (CANARI) and St. Kitts and Nevis Fisheries Divisions still vigorously engaged in producing their project deliverables, the other two small grants are in various stages of their final report writing.

In St. Lucia the members of the Fisheries Division are hard at work producing the final report on their small grant which focused on formalising a participatory decision-making mechanism that facilitates the sustainable management of sea urchin resources. This was achieved by allowing key stakeholders to become involved in resource assessment, awareness-building and decision-making in terms of resource management and use.



The Sustainable Grenadines (SusGren) Project should wrap-up reporting by the end of August. The small grant awarded to SusGren was in support of assisting with the implementation of a Grenadines fisher folk project

the goal of which was to establish a Fishers Group, through which fisher folk collaboration in the Grenadines could be strengthened at a multi-island, transboundary scale and to address shared fisheries issues. Under the leadership of Martin Barriteau, the SusGren small grant project was able to:

- Complete and distribute the directory of fishers in the Grenadines,
- Conduct the market survey for the Central Grenadines fisher folk, and
- Hold meetings between the Grenadines fisher folk and the Fisheries Division of Grenada and St. Vincent and the Grenadines.