

**Exploring Tools for Improving Management of Data-Poor Stocks
February 23-24, 2011**

PREFACE:

At the request of the Caribbean Fishery Management Council (CFMC), the Fisheries Leadership and Sustainability Forum (Fisheries Forum) organized this educational workshop to provide an opportunity for managers and stakeholders in the US Caribbean to explore pathways for advancing the management of data-poor stocks. All Councils are taking steps to comply with the legal requirement to set annual catch limits (ACLs) under the Magnuson-Stevens Act (MSA). In the Caribbean, these requirements highlight the ongoing challenge of managing data-poor stocks and the importance of collecting reliable catch data.

This workshop balances informational presentations with opportunities for open discussion among all participants. The invited speakers will provide expertise in data-poor fisheries science and management, and perspectives from fisheries around the world. The CFMC hopes to foster constructive, forward-looking dialogue among participants and invited experts to inform its next steps forward. Active participation from all workshop attendees is crucial to the success of the workshop. As the workshop is educational in nature, there will be no management decisions made.

GOAL & OBJECTIVES:

The goal of this workshop is to provide decision-makers in the US Caribbean with an opportunity to explore the tools available for addressing data-poor stocks and to consider how the region can best move forward.

Specifically, the workshop aims to:

1. Provide a common educational foundation for participants on the role of data in fisheries science, managing uncertainty, and complying with federal fishery management laws;
2. Illustrate the struggles and successes in other data-poor fisheries by highlighting both the process and outcomes;
3. Provide a common understanding of the current work and progress in improving data collection for US Caribbean stocks;
4. Explore alternative approaches for data collection and management of data-poor stocks and evaluate their potential application for the US Caribbean; and
5. Encourage discussion of the current efforts and new approaches for improving the data collection and management of data-poor stocks, culminating in the identification of discrete actions the US Caribbean can take in moving forward.



**Exploring Tools for Improving Management of Data-Poor Stocks
Workshop Agenda**

IMPORTANT CONTACT INFORMATION:

Location: La Concha Resort
1077 Ashford Avenue
San Juan, Puerto Rico

CFMC Staff: Diana Martino: (787) 766-5926

FLSF Staff: Kim Gordon: (858) 204-6175
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Katie Latanich: (919) 451-6591

TUESDAY, FEBRUARY 22, 2011

5:00 – 8:00 pm **Workshop Registration**
Location: Indigo Salon Foyer

WEDNESDAY, FEBRUARY 23, 2011

9:00 – 9:45 am **Meeting Overview and Introductions**
Location: Indigo Salon

- Miguel Rolón, Executive Director, Caribbean Fishery Management Council
- John Henderschedt, Executive Director and Kimberly Gordon, Policy Analyst, Fisheries Leadership & Sustainability Forum
- Participant introductions

9:45 – 10:15 am **Managing Uncertainty: the Law, the Data, the Science, and the Incentives**

- Dr. Rod Fujita, Senior Scientist and Director, Ocean Innovations, Environmental Defense Fund

10:15 – 10:30 am **BREAK**

10:30 – 11:15 am **The Role of Data and Uncertainty in Fisheries Science**

- Dr. Luiz Barbieri, Marine Fisheries Research Section Leader, Florida Fish and Wildlife Conservation Commission

11:15 – 11:45 am **Public Comment**

- 11:45 – 12:45 pm **BREAK** (lunch on your own)
- 12:45 – 2:30 pm **Case Study Panel**
Moderator: Fisheries Forum Staff
- Managing Data-Poor Fisheries: Solutions from around the world
 - Dr. Jeremy Prince, Director, Biospherics L/P and Associate Professor, Murdoch University
 - New England Scallop Fishery: A success story in cooperative research and management
 - Dr. Todd Gedamke, Branch Chief of Gulf and Caribbean Fisheries, NOAA/NMFS Southeast Fisheries Science Center
 - California Nearshore Finfish Fishery
 - Dr. Rod Fujita, Senior Scientist and Director, Ocean Innovations, Environmental Defense Fund
- 2:30 – 2:45 pm **BREAK**
- 2:45 – 3:15 pm **Background of Caribbean Fisheries**
- Daniel Matos-Caraballo, Fisheries Research Laboratory, Department of Natural and Environmental Resources, Puerto Rico
 - Dr. Jed Brown, Acting Director and Chief of Fisheries, Division of Fish and Wildlife, US Virgin Islands
- 3:15 – 4:00 pm **US Caribbean Commercial Data Improvement Project**
- Dr. Robert Trumble, Vice President, MRAG Americas
- 4:00 – 4:45 pm **Developing a Commercial Fishery Independent Survey in St. Croix: A Pilot Project**
- Dr. Todd Gedamke, Branch Chief of Gulf and Caribbean Fisheries, NOAA/NMFS Southeast Fisheries Science Center
- 4:45 – 5:00 pm **Day One Summary**
- 5:00 – 7:00 pm **RECEPTION**
 Light snacks, cash bar
Location: Solera Upper Deck

THURSDAY, FEBRUARY 24, 2011

- 9:00 – 9:15 am **Introduction to Data-Poor Approaches Spotlight Sessions**
Location: Indigo Salon
- 9:15 – 10:45 am **Data-Poor Approaches Spotlight Breakout Rotation***
Moderators: Fisheries Forum Staff

*Workshop participants will be broken into two groups and will rotate through two breakout sessions. Each breakout session will include presentations from invited experts, followed by Q&A and discussion. Each rotation will run 90 minutes.

Breakout #1

- Data-Poor Solutions for Assessing and Managing Spawning Potential Ratio
 - Dr. Jeremy Prince, Director, Biospherics L/P and Associate Professor, Murdoch University
- Marine Reserve-Based Management Strategies for Data-Poor Species
 - Jono Wilson, Doctoral Candidate, University of California at Santa Barbara

Breakout #2

- The Use of Monitoring Data from Marine Reserves for Fishery Management: The Density Ratio Control Rule
 - Dr. Elizabeth Babcock, Assistant Professor, Rosenstiel School of Marine & Atmospheric Science, University of Miami
- Ecological Risk Assessment for the Effects of Fishing (ERAEF)
 - Ross Daley, Marine and Atmospheric Research, Commonwealth Scientific and Industrial Research Organization (CSIRO)

10:45 – 11:00 am

BREAK

11:00 – 12:30 pm

Data-Poor Approaches Spotlight Breakout Rotation*

Moderators: Fisheries Forum Staff

12:30 – 1:30 pm

BREAK (lunch on your own)

1:30 – 2:15 pm

Data-Poor Approaches Spotlight Wrap-up: Discussion and Questions

Moderator: Fisheries Forum Staff

2:15 – 2:30 pm

Introduction to Looking Forward Breakout Group Discussions

2:30 – 2:45 pm

BREAK

2:45 – 4:15 pm

Concurrent Looking Forward Breakout Group Discussions

Moderators: Fisheries Forum Staff

4:15 – 5:00 pm

General Session: Next Steps

- Eugenio Piñeiro-Soler, Chair, Caribbean Fishery Management Council

5:00 – 5:15 pm

Day Two Summary and Workshop Closing

- Miguel Rolón, Executive Director, Caribbean Fishery Management Council
- Fisheries Forum Staff