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Workshop Agenda

Connectivity Science and Coastal Reef Management in the Caribbean

Best Western Belize Biltmore Plaza, Belize City
9-11th November 2009

Monday, 9th November

8:30 **Registration, coffee**

9.00-9.15 **Introductions/Welcome** (Hanneke VanLavieren - UNU-INWEH, Beverly Wade - Belize Fisheries, Alex Martinez - TNC)

Session 1: Links between Connectivity Science and Reef Management

9.15 **Building scientific capacity for reef management – Connectivity in the CRTR project**
Peter F. Sale, UNU-INWEH, Chair, Connectivity Working Group, Hamilton ON Canada
Presented by: Anthony J. Hooten, AJH Environmental Services, Bethesda, MD

9.45 **Connectivity and resilience of coral populations: why we need to protect pristine reefs no matter in whose country they reside**
Alina Szmant, University of North Carolina, Wilmington NC

10.15 **Spiny lobster connectivity in the Caribbean – management outside the MPA box**
Mark J. Butler IV, Old Dominion University, Norfolk VA

10.45 *Coffee Break*

11.15 **Research in Belize: assisting in decision making**
James Azueta, Belize Department of Fisheries, Belize City

11.45 **Seaweed as indicators and drivers of coral reef health**
Robert S. Steneck, University of Maine, Walpole ME

12.15 Final comments on session

12.30 *Lunch*

Session 2: Building Knowledge of Connectivity of Reef Species

2.00 **Integrating science and management: the role of larval dispersal models in predicting population connectivity and its use for spatial management & conservation**
Claire Paris, RSMAS, University of Miami, Miami FL

2.30 **Coral population connectivity: Patterns, influences and implications of genetic structure**
Tonya Shearer, Georgia Institute of Technology, Atlanta GA

3.00 **Incorporating connectivity in MPA network design: needs, realities and lessons learned**
Hanneke van Lavieren, UNU-INWEH, Hamilton ON Canada

3.30 *Coffee Break*

4.00 **Discussion session: role for managers in building connectivity science**

- 5.00 Close of day
6.30 *Dinner at hotel (for hotel guests only)*

Tuesday, 10th November

Session 3: Connectivity Needs for Managing the Mesoamerican Reef

- 9.00 **Introduction – connectivity is important, but it is only one issue**
Peter Sale, UNU-INWEH, Canada
- 9.30 **Connectivity & management of fisheries in Banco Chinchorro & Parque Nacional Arrecifes de Xcalak, México**
Maria del Carmen Garcia, CONANP, Chetumal, México
- 10.00 **Where are we after five years of marine conservation in the Mesoamerican reef?**
Julie Robinson Stockbridge, The Nature Conservancy, Belize
- 10.30 *Coffee Break*
- 11.00 **Discussion session: what are the primary connectivity issues for reef management**
- 12.00 *Lunch*
- 2.00 **Genetic tools and applications in connectivity science & coastal reef management in the Caribbean**
Derek Hogan, Tulane University, New Orleans LA
- 2.30 **Eco-health Report Cards - A new tool for science based management, education & accountability**
Melanie McField, Healthy Reefs for Healthy People, Smithsonian Inst., Belize City
- 3.00 **Next steps for the CRTR project**
Anthony J. Hooten, AJH Environmental Services, Bethesda MD
- 3.30 *Coffee Break*
- 4.00 **Discussion session: mobilizing to build for better management**
- 5.00 Close of day
- 6.30 ***Workshop banquet dinner and entertainment for all participants***

Wednesday, 11th November

Session 4: Connectivity, Coral Reefs and Climate Change

- 9.00 **Opening remarks**
Peter F. Sale, UNU-INWEH, Hamilton ON Canada
- 9.20 **Connectivity, Coral-algal symbioses and Climate**
Mary Alice Coffroth, SUNY Buffalo, Buffalo NY
- 9.50 **An assessment from the scientists**
Brief comments (5-10min) from Mark Butler, Derek Hogan, Alina Szmant
- 10.30 *Coffee Break*
- 11.00 **Planning for the future:** Final discussion led by Andy Hooten, Peter Sale, Isaias Majil, Alex Martinez

12.00 - CLOSE of WORKSHOP & HOTEL LUNCH