



**60<sup>th</sup> Annual Gulf and Caribbean Fisheries Institute  
Punta Cana, Dominican Republic  
5 November 2007 – 10 November 2007**

**Monday: November 05, 2007**

**OPENING CEREMONY (08:30 - 10:00)**

**Opening Address: Dr. Dalila Aldana, Chairman, Board of Directors, GCFI**

Sr. Rafael Alburquerque  
**Vicepresidente de la Republica Dominicana**

Lic. Omar Ramirez Tejada  
**Secretario de Estado de Medio Ambiente y Recursos Naturales**

Lic. Ydalia Acevedo Monegro  
**Subsecretaria de Recursos Costeros y Marinos**

Sr. Pedro Rojas Morillo  
**Gobernador de la Provincia de Samaná**

Sr. Germán Castro  
**Senador Provincia La Altagracia**

**Keynote Address:**

**Dr. Robin Mahon “Governance for Caribbean living marine resources: seeking a path”**

**Dr. Mel Goodwin “GCFI is 60 Years Old! Who Cares?”**

**Break (10:00 - 10:15)**

**A RETROSPECTIVE OF GULF AND CARIBBEAN FISHERIES: 57 YEARS OF CONTRIBUTIONS TO THE GCFI PROCEEDINGS (10:15-12:30)**

**10:15** Posada, J.M. and J.S. Franks — Bibliometric analysis of printed information published in the Proceedings of the Gulf and Caribbean Fisheries Institute (1948-2004): thematic areas and authors.

- 10:30** Franks, J. S. — Pelagic fisheries and their management in the Gulf of Mexico and Caribbean Sea: historical perspective based on Proceedings of the Gulf and Caribbean Fisheries Institute (1948 – 2004).
- 10:45** Ditton, R. — Understanding trends in recreational fisheries in the Gulf of Mexico and the Caribbean
- 11:00** Posada, J.M. and R. Glazer — Biology and fisheries of the spiny lobster (*Panulirus argus*) and queen conch (*Strombus gigas*) based on the Proceedings of the Gulf and Caribbean Fisheries Institute.
- 11:15** Acosta, A. and B. Luckhurst — Biology and fisheries of snappers and groupers based on the Proceedings of the Gulf and Caribbean Fisheries Institute, and spawning aggregations in the wider Caribbean: research and management.
- 11:30** Creswell, L. — The history of aquaculture in the Caribbean through presentations from 1947 – 2004.
- 11:45** Prada, M. — Remote sensing and GIS applications: advances in fisheries research and management based on Proceedings of the Gulf and Caribbean Fisheries Institute.
- 12:00** Bustamante, G. — Marine protected areas science and networking in GCFI: from nothing to habitat mapping to reaching out to practitioners.
- 12:15** Appeldoorn, R. — Sixty years of fisheries management in the Gulf and Caribbean: a retrospective on needs, attitudes and role of the GCFI.

**Lunch Break (12:30-13:30)**

**SOCIO-ECONOMICS AND FISHERIES MANAGEMENT (13:30-17:45)**

- 13:30** Joseph, K. — Gender analysis in fisheries management Pearl Lagoon basin South Atlantic Autonomous Region (RAAS).
- 13:45** Mendoza, J. — Social economic studies of the mangrove oyster (*Crassostrea rhizophorae*) in Bluefields Bay.
- 14:00** Parsram, K. — A preliminary analysis of fisheries science networks in the eastern Caribbean. \*
- 14:15** Baldwin, K., et al. — Stakeholder engagement in the development of a participatory GIS for the Grenadines Islands\*
- 14:30** Brathwaite, E. — Questions and observations from a Caribbean fisherman.
- 14:45** Kinch, A. — Reaching out to fisherfolk.
- 15:00** Kojis, B. and N. Quinn — Managing the fisheries resources of the U.S. Virgin Islands: St. Croix - A Case Study.

**Break (15:15-15:30)**

- 15:30** Hidalgo Colindres, H. — Integral Characterization of Artisan Garífuna Fishery on Guatemalan Caribbean. A community model to impel for fishing management and sustainability in the SAM region.
- 15:45** Guyader, O. and L. Reynal — A fleet-métiers based approach of the small scale fishing activity in the French West Indies.
- 16:00** Salas, S and A. Charles — Are small-scale fishers profit maximizers?: exploring fishing performance of small scale fishers and factor determining catch rates.
- 16:15** Guzman Mora, A. G. and H. Molina-Urena — Artisanal fishery in Golfo Dulce, Costa Rica.\*
- 16:30** Cushion, N. and K. Sealey — Catch, effort and socio-economics of an artisanal fishery in the Bahamas.

- 16:45** Diop, H., et al. — Fishermen Behavior under Risk: A case study of the Gulf of Mexico grouper fishery using antle production function.
- 17:00** Samuels, D., et al. — Interchange of experiences between fishers of Antigua, Barbuda, Venezuela, Belize and Mexico.
- 17:15** Tejada, J. C. — The fishing resources, characteristics, social and environmental impact in the south region. bani, province peravia summary.
- 17:30** Larkin, S., et al. — Supply disruptions following environmental events: The economic impact on shellfish dealers in Florida.

**Informal Reception & Welcome Address (19:30)**

Robert Glazer, Executive Director, GCFI

**Student Social (20:30) Student and Board of Directors.**

**TUESDAY: November 06, 2007**

**GCFI BUSINESS MEETING (07:30 - 08:20)**

**THE STATUS OF GOLIATH GROUPER: FINDING A COMMON CONSERVATION AND MANAGEMENT SOLUTION THROUGH A REGIONAL SCIENTIFIC AND FISHERIES FRAMEWORK (08:30-13:00)**

**8:30 Opening Remarks**

- 8:45 Keynote Address:** Sadovy, Y. — The goliath grouper, *Epinephelus itajara*, before and after its threatened listing: progress made and lessons learned.
- 9:15** McClenachan, L. — Historical photos reveal dramatic declines in Florida's goliath grouper populations.\*
- 9:30** Cass-Calay, S. and T. Schmidt — Monitoring the recovery of goliath grouper, *Epinephelus itajara* using the Everglades National Park Creel Survey, 1972-2006.
- 9:45** Rodríguez Gil, L.A. and C.A. Reyes Sosa — La situación actual de la pesca del mero cherna *Epinephelus itajara*, en la Península de Yucatán, México.
- 10:00** Pina Amargós, F. and G. González Sansón — Movement of goliath grouper (*Epinephelus itajara*) on southeast Cuba: implications for its conservation.
- 10:15** Graham, R., et al. — Characterization of the goliath grouper fishery in Southern Belize based on market and field surveys.

**Break (10:30 – 11:00)**

- 11:00** Daros, F., et al. — Meros do Brasil Project : Web-based mapping of goliath grouper distribution in Brazil.
- 11:15** Cavaleri Gerhardinger, L., et al. — Fishermen seascape mapping for goliath grouper conservation in Brazil.\*
- 11:30** Craig, M. — Phylogeography of the goliath grouper, *Epinephelus itajara*: a preliminary analysis of genetic connectivity in an endangered marine fish.
- 11:45** Frias-Torres, S. — Behavior of juvenile goliath grouper, *Epinephelus itajara*, and its relevance for conservation.
- 12:00** Murie, D., et al. — Evaluation of finrays as a non-lethal aging method for protected goliath grouper (*Epinephelus itajara*) in Southwest Florida.

- 12:15** Brusher, J. and J. Schull — Non-lethal age determination for juvenile goliath grouper (*Epinephelus itajara*) from southwest Florida
- 12:30** Lara, M., et al. — The first description of post-settlement goliath grouper (*Epinephelus itajara*) from southwest Florida.
- 12:45** Mann, D., et al. — Sound production by goliath grouper (*Epinephelus itajara*) on a spawning aggregation site.

**Lunch (13:00-14:00)**

**GCFI SPECIAL SESSION ON THE NASSAU GROUPER (14:00- 18:00)**

- 14:00** Sadovy, Y. — The Nassau grouper: seeking solutions to declining landings and shrinking aggregations.
- 14:15** Brown, V. — The politics of Nassau grouper management.
- 14:45** García-Moliner, G. — Management experience in the Caribbean: Nassau grouper.
- 15:00** McKinney, C. — The history of Nassau grouper management and public outreach in the Bahamas.
- 15:30** Gibson, J. — Lessons learned from Belize Nassau grouper management and possible ways forwards.
- 15:45** Semmens, B. — Charting a course for Nassau grouper recovery in the Caribbean: what we've learned and what we still need to know.

**Break (16:00-16:15)**

**(16:30-18:00) Panel Discussion**

**TUESDAY EVENING**

**GCFI POSTER SESSION – RECEPTION (19:30)**

**Socio- Economic and Fisheries Management Posters**

- Alcantara T., et al. — Trade of import & export of ornamental fish in the Dominican Republic.
- Aucoin, S. — Hawksbill turtle bycatch quantified in an artisanal fishery in southwestern Dominican Republic.
- Balbuena, E. and J. Mateo — Trade and consumption of fish and fish products in the Dominican Republic.
- Burgos, R. — Red grouper (*Epinephelus morio*) fishery assessment in the Campeche Bank: Biological Reference points and management choices.
- Grant, S., et al. — Management scope of the longline fishery system in Grenada.
- Hernandez, E., et al. — Low-tech community-based adaptive strategies to manage coral aquaculture and reef rehabilitation under climate change.
- Louis-Jean L., et al. — Impact of coastal artisanal fisheries on marine turtle populations in Martinique and Guadeloupe, FWI.
- Matos-Caraballo, D., et al. — Puerto Rico's small scale commercial fisheries statistics during, 2004-06.
- Morales, F. Genetic signals of metapopulation structure of the queen conch, *Strombus gigas* throughout northern intra-american sea.
- Núñez, F. — Influence of Yuna River on the fisheries at the estuary of Samana Bay: A White Water to Blue Water (WW2BW) Initiative in the Dominican Republic.

- Parsram, K. and P. McConney — A research framework for examining the characteristics of networks that determine resilience and adaptability in marine resources governance in the English speaking eastern Caribbean.
- Sempier, S., et al. — The Gulf of Mexico research planning project.
- Tejeda, J. C. — Evolution and incident of the Dominican legislation in the protection of the fishing and marine resources.
- Torres, R. — Reef Check coral reef monitoring in the Dominican Republic.

### **Goliath Grouper Symposium Posters**

- Aguilar, A. et al. — Current fishery situation of the goliath grouper off northern Yucatan Peninsula.
- Barbieri, L. and A. Acosta — Report of a research planning meeting on goliath grouper for the South Atlantic and eastern Gulf of Mexico.
- Cavaleri Gerhardinger, L., et al. — Where are the goliath groupers? Lessons from the early stages of a tagging/recapture research program in South Brazil.
- Evers, D.C., et al. — Mercury levels in the goliath grouper: Is this an anthropogenic stressor of concern?
- Ferreira, B., et al. — Fisheries and other human uses in the Rio Formoso estuary, Brazil: implications for conservation of the goliath grouper.
- Frias-Torres, S. and J. E. Serafy — Using dual-frequency sonar to survey juvenile goliath grouper, *Epinephelus itajara*
- Graham, R and C. Che — A survey-based assessment of restaurant demand for Goliath grouper in Belize.
- Hostim-Silva, M., et al. — Meros do Brasil Project: a strategy for the conservation of marine and costal ecosystems in Brazil.
- Huskey, S., et al. — Behavioral modulation of feeding kinematics in goliath groupers.
- Evers, D and R. Graham — Mercury contamination of Goliath grouper in Southern Belize, implications for coastal consumers.
- Torres, R. A. — Bioinformatics and genomic prospection (mtDNA) for tracking the genetic identity of *Epinephelus itajara* and other related taxa.

### **Nassau Grouper Posters**

- Heppell, S., et al. — Use of and competition at a cleaning station during a Nassau grouper spawning aggregation.
- Scharer, M., et al. — Past exploitation and present distribution of Nassau grouper at Mona Island, Puerto Rico.

### **Spiny Lobster Posters**

- Adams, C. — Trade patterns for spiny lobster products harvested within the Gulf of Mexico and Caribbean region.
- Hornbeck, J. — To be or not to be a loner: examining den sharing behavior among Caribbean spiny lobsters (*Panulirus argus*).

### **Pelagic and Recreational Fisheries Biology Posters**

- Devine, B., et al. — Age and growth of larval blue marlin (*Makaira nigricans*) from the northern Gulf of Mexico.
- Hendon, J. R., et al. — Seasonal movements and migratory patterns of cobia in Coastal Waters of the Southeastern United States.
- Hoffmayer, E., et al. — Movements of coastal shark species in the north central Gulf of Mexico based on tag-recapture data.
- Johnson, D., et al. — Larval Transport on the Continental Shelf of the Northern Gulf of Mexico.

- Saxton, B. and J. Alvarado — Genetic characterization of blackfin tuna (*Thunnus atlanticus*): Historical demography and population structure.
- Schloesser, R., et al. — Stable  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  isotopes in the otoliths of Atlantic bluefin tuna (*Thunnus thynnus*) from the Gulf of St. Lawrence.
- Shepard, K., et al. — Age and growth and stock mixing in Gulf and Atlantic king mackerel.\*
- Staugler, E., et al. — Follow Your Fish - Tournament tracking lessons learned.

### **Biology and Fisheries of Demersal and Reef Fishes Posters**

- Addis, D. — Site fidelity and movement of reef fishes tagged at unreported artificial reef sites off NW Florida.\*
- Constantine, S. and K. Sullivan-Sealey — Age estimates of white grunt (*Haemulon plumierii*) in Antigua waters.\*
- Criquet, G., et al. — Growth of *Acanthurus bahianus* (Acanthuridae) from Martinique (Lesser Antilles).
- Criquet, G., et al. Stock discrimination of Acanthuridae using analysis of otolith shape in Martinique (Lesser Antilles).
- Feeley, M., et al. — Finfish movement patterns and habitat use within a marine protected area in the Florida Keys National Marine Sanctuary.
- Fischer, A., et al. — Validation of the first annulus in red snapper (*Lutjanus campechanus*) otoliths with the use of an alizarin complexone fluorescent marker.
- Franquesa Rinos, A. — Finding fish spawning aggregation and fishing community involvement.
- Heyman, W. and L. Carr — Using acoustic tags to track fish movements at spawning aggregations in Belize.
- Ingram, C. A., et al. — Potentially commercial black sea bass (*Centropomus striata*) re-circulating mariculture system.
- Louder, C., et al. — Recruitment dynamics of gray snapper (*Lutjanus griseus*) among West Florida Estuaries.
- Molina-Ureña, H. — Community structure of reef fishes in a tropical upwelling area, Golfo de Papagayo, Costa Rica.
- Moura, R. and K. Lindeman — A new inshore snapper species (Lutjanidae) from Brazil and the distributional status of gray snapper and schoolmaster (*Lutjanus griseus* and *L. apodus*).
- Patterson, W., et al. — Red snapper ecology and fisheries in the United States' Gulf of Mexico: The Book.
- Rodriguez, A., et al. — Mitochondrial DNA analyses as a tool for species identification of fish larvae: Emphasis on snappers.\*
- Sealey, K. and N.S. Smith — The lionfish invasion in the Bahamas.
- Zapp, M., et al. — Gulf of Mexico red snapper otolith microchemistry: Determining sources of recruits to the Texas continental shelf.

### **Biology and Management of Invertebrates Posters**

- Aldana-Aranda, D. et al. — Ultrastructural analysis of the digestive gland of the queen conch *Strombus gigas* in relation with the presence of intracellular apicomplexa parasites.
- Brito-Monzano, N. et al. Comparison of two induction spawning techniques in the oyster *Crassostrea virginica* in Tabasco, Mexico.
- Brito-Monzano, N. et al. Crecimiento y sobrevivencia del caracol “tote” *Pomacea flagellata* alimentado con chaya en Tabasco México.
- Cigliano, J. et al. — Population assessment and genetic connectivity of queen conch (*Strombus gigas*) populations in Belize.

- Delgado, G., et al. — The effects of mosquito control pesticides on competent queen conch (*Strombus gigas*) larvae.
- Fragoso-Pérez, M. R. Crecimiento y sobrevivencia del caracol “tote” *Pomacea flagellata* alimentado con germinado de soya en Tabasco México.
- Hernandez, E. — Crime scene investigation of recent illegal shore-based recreational fishing activity on Queen Conch (*Strombus gigas*) in Culebra Island, Puerto Rico.
- Martinez-Vazquez, D., et al. — Culture of the queen conch *Strombus gigas* in marine systems, its problems and solutions.
- Oxenford, H., et al. — The little-known conch (*Strombus gigas*) fishery of Barbados.
- Volland, J. M., et al. — Evolution of the digestive gland of the queen conch *Strombus gigas* during starvation.
- Fernandez-Martinez, Rand M. Medellín-Avila — Evaluación del crecimiento y mortalidad del ostión americano (*Crassostrea virginica*) en la barra del carrizo, Tamaulipas, México.
- Lemauff, B., et al. — Plasticity mechanisms and kinetic of bacterial infection processes within gill filaments of the symbiotic model *Codakia orbiculata*, (Bivalvia: Lucinidae) after an environmental stress.
- McCannon, A., et al. — Anemone-Shrimp cleaning stations control ectoparasite loads on Caribbean reef fishes.
- Montaño-Astros, I. and G. Gonzalez-Trilla — Preliminary reconstruction of historical size variation of the oyster (*Crassostrea virginica*) from ancient and modern shell-middens at the Natural Reserve of La Mancha (Veracruz, México).\*

### **Science and Management of Marine Protected Areas Posters**

- Arceo-Carranza, D., et al. — Temporal dynamics in the fish assemblages and habitat importance: Biosphere Reserve Celestun.\*
- Ferdana, Z. and M. Beck — Ecosystem-based management for the seas: a planning application using spatial information on marine biodiversity and fishery production.
- Foley, K., et al. — Characterization of the *Madracis mirabilis* fields within the Flower Garden Banks National Marine Sanctuary.
- Kramer, P and Burrows, F. — The west side of Andros, Island, Bahamas protected area project.
- Lancho, P., et al. — Environmental education for marine conservation in Parque Nacional del Este.
- León, Y., et al. — In-water surveys for sea turtles in two national parks of the Dominican Republic.
- Molina, R. — An analysis of the potential use of landscape architecture design processes in the development of marine protected areas.
- Prada, M., et al. — Strengthen Caribbean MPA’s personnel in ecosystem based management by enhancing skills in use of marine acoustics for habitat mapping and fish detection.
- Quiros-Espinoza, A. — Commercial fishes spawning and limits of marine protected areas.

### **Essential Habitats Posters**

- Bouchon-Navarro, Y., et al. — The significance of depth for the quantitative structure of Caribbean reef fish assemblages.
- Fletcher, P., et al. — Making the land-sea connection in southwest Florida: land use and water management influences on the spatial patterns of water quality on the southwest Florida shelf.
- Ginsburg, R. — Mesophotic reefs (30-100 m) are refugia for degraded shallow Reefs.
- Herkül, K. and H. Orav-Kotta — GIS-based spatial modelling of important fish habitats: a case study in the Northern Baltic Sea.
- Hernandez, E. — Global warming and coral reefs collapse: The cases of star corals (*Montastraea annularis* and *M. faveolata*), and cleaning gobies (*Gobiosoma* spp.).

- Kopp, D., et al. — Benefits of the protection of herbivorous Scarid fishes for Caribbean coral reefs.
- Kotta, J., et al. — Determining the value of important fish habitats within marine protected areas: experience from the Baltic Sea.
- Peralta-Meixueiro, M. A. and E. Vegas-Cendeja — Relation between habitats and assemblages of fishes in the Reserve of the Biosphere Ría Lagartos\*
- Romero, M. A. — Supervised classification and bathymetry of the submerged habitats surrounding Dos Mosquises Sur Key, Los Roques Archipelago National Park, Venezuela.\*
- Rousseau, Y., et al. — Coral reef habitat and fish assemblages correlation in Martinique, FWI.
- Toledo-Hernandez, C. et al. — Fungal community in Sea fans.
- Volson, B. — Assessing habitat quality for Menidia spawning via biochemical analysis of zooplankton.
- Waters, L. and T. Cuba — Changes in mangrove channel fish assemblages following restoration of adjacent habitat within Ft. DeSoto Park, Florida: A look at the importance of connectivity in restoration ecology.

### **WEDNESDAY: November 7, 2007**

#### **RESPONSIBLE USE OF THE CARIBBEAN SPINY LOBSTER RESOURCE: INTEGRATING BIOLOGY, MANAGEMENT, MARKETING, PROCESSING, AND TRADE (08:00-12:30)**

- 8:00** Herrera-Moreno, A. and L. Betancourt — Ecological-fisheries investigations of lobster *Panulirus argus* in the Dominican Republic.
- 8:15** Sierra, L., et al. — The Current State Of The Fisheries Of Spiny Lobster (*Panulirus Argus*) In The Coast Caribbean From Costa Rica.
- 8:30** Torres, E. and S. Salas — Comparative analysis of lobster catch patterns at the Yucatan Peninsula given different fishing methods.\*
- 8:45** Trujillo, W. and J. Posada — The spiny lobster (*Panulirus argus*) fishery in Archipelago Los Roques National Park: 2004-2005 and 2005- 2006 Seasons. 2007-08-31.
- 9:00** Castro-Gonzalez, E.R. — Landings control: a potential strategy for the conservation of spiny lobster in the Archipelago of San Andres, Providencia and Santa Catalina, Colombia.
- 9:15** Reyes-Sosa, C., et al. — Evaluation of type of trap and bait in the fishery of spiny lobster in the cost of the State of Yucatan, Mexico.
- 9:30** Zapata-Araujo, C., et al. — Applying local knowledge analysis to deploy artificial shelters for a lobster fishery enhancement program.
- 9:45** Salas, S. and M. Cabrera — Are artificial devices an option to improve lobster catches? The case Yucatan fisheries, Mexico.

#### **Break (10:00 - 10:30)**

- 10:30** Ehrhardt, N. — Comparative analysis of exploitation and conservation issues of the spiny lobster, *Panulirus argus*, in the Western Central Atlantic Ocean.
- 10:45** Cruz, R. — The spiny lobster (*Panulirus argus*) in the Great Caribbean: Life cycle dynamics and implications to responsible fisheries management.
- 11:00** Monnereau, I. — Social impact on human-well-being of different governance arrangements of lobster fisheries in the Caribbean.
- 11:15** Chavez, E. A. — Socio-Economic trade-offs in the management of Caribbean spiny lobster fisheries.
- 11:30** Raymond, P. — The Extensive illegal trade in Caribbean spiny lobster: a need for a cure.

- 11:45** Kimmel, J. — Proposed fisheries management for Caribbean spiny lobster in the US Caribbean: minimum size for imports.
- 12:00** Daves, N. and R. Gnam — CITES: a tool for regulation of international trade in spiny lobster?
- 12:15** Chakalall, B. and K. Cochrane — Regional cooperation for the responsible use of the Caribbean Spiny Lobster resource.

**Lunch Break (12:30-13:30)**

**FIELD TRIP (14:00- 17:00)**

**THE 31ST ANNUAL MEETING OF THE SEAFOOD SCIENCE AND TECHNOLOGY SOCIETY OF THE AMERICAS. (TORTUGAS ROOM). (13:00-17:00)**

**PELAGIC AND RECREATIONAL FISHERIES BIOLOGY (13:30-16:15)**

- 13:30** Brown- Peterson, N., et al. — Do Blue Marlin spawn in the Northern Gulf of Mexico?
- 13:45** De Mutsert, K. and J. Cowan — Catch data can be misleading when assessing the state of fisheries and fisheries ecosystems: A Gulf of Mexico case study revisited.\*
- 14:00** Franks, J.S. — Diet of Wahoo, *Acanthocybium solandri*, from the Northcentral Gulf of Mexico
- 14:15** Holt, S. and J. Rooker — Comparison of habitat utilization patterns of yellowfin tuna in the northern and western Gulf of Mexico.
- 14:30** Simms, J.R. — Early life history of sailfish, *Istiophorus platypterus*, in the northern Gulf of Mexico.\*
- 14:45** Tidwell, T., et al. — The distribution and feeding ecology of larval billfish in the northern Gulf of Mexico.\*

**Break (15:00 – 15:15)**

- 15:15** Peña-Alvarado, N., et al. — Sexual maturity and reproductive seasonality of blue runner (*Caranx crysos*) and horse-eye jack (*Caranx latus*) in Puerto Rico.
- 15:30** Turner, J. A. and J. Rooker — Review of trophic ecology of sargassum communities in the Northwestern Gulf of Mexico: implications for pelagic fisheries.
- 15:45** Beck, J. and J. Rooker — Survival skills of hatchery-reared vs. wild red drum (*Sciaenops ocellatus*).
- 16:00** Rodriguez- Ferrer, G. and C. Lilyestrom — Evaluation of statistical data from fishing tournaments in Puerto Rico collected from 2000-2006.

**THURSDAY: November 8, 2007**

**BIOLOGY AND FISHERIES OF DEMERSAL AND REEF FISHES (08:00-12:00)**

- 8:00** Caballero, D., et al. — Preliminary analysis on the variation of some reproductive parameters of Bank of Campeche's "Red Grouper" in the period 1989-2004.\*
- 8:15** Claydon, J. and A. Kroetz — The distribution of early juvenile groupers around South Caicos, Turks and Caicos Islands.
- 8:30** Sanchez, O. and A. Medina — Analysis of the fishery of Boquinete *Lachnolaimus maximus*, in Holbox, Quintana Roo, Mexico.

- 8:45** Debrot, D., et al. — High parrotfish densities at two Venezuelan offshore reefs: comparison among four localities in the Caribbean.\*
- 9:00** Falfan, E., et al. — Commercially and gamefish important fish larvae in the confluence of two seas.\*
- 9:15** Hill, R., et al. — Reef fish habitat use as a measure of coral reef restoration success at the Fortuna Reefer grounding site Mona Island, Puerto Rico.
- 9:30** Kellison, T. and D. Harper — Spatial trends in size and abundance of fishery targeted reef fish in the FL Keys, USA.

**Break (9:45 - 10:00)**

- 10:00** Lenfant, P., et al. — Acoustic telemetry survey of the dusky grouper (*Epinephelus marginatus*) in the Marine Reserve of Cerbère Banyuls: implications on the colonization of the no protected areas and on dynamics from reproduction.
- 10:15** Lopez-Rocha, J.A. and F. Arreguin-Sanchez — Seasonal patterns of movement of the red grouper *Epinephelus morio* on the north continental shelf of Yucatan Peninsula, Mexico.\*
- 10:30** McClellan, D., et al. — Preliminary effort and yield estimates from the Haitian fishery at Navassa Island.
- 10:45** Schärer, M., et al. — Mapping ontogenetic habitat shifts of coral reef fish at Mona Island, Puerto Rico.
- 11:00** Trott, T. M. and B.E. Luckhurst — An Evaluation of the status of the coney, *Cephalopholis fulva*, Population in Bermuda.
- 11:15** Villegas-Hernandez, H., et al. — Settlement dynamics of a coral reef fish as inferred by shape and otolith microstructure analysis.
- 11:30** Vivas, J.C., et al. — History trends in trophodynamic indicators of the demersal fishes in the Colombian Caribbean Sea.\*
- 11:45** Cummings, N. — Discard characterizations for the St. Thomas and St. Croix shallow water reef fish from pilot observer studies fisheries.

**Lunch Break (12:00-13:00)**

**BIOLOGY AND MANAGEMENT OF INVERTEBRATES (13:00-16:30)**

- 13:00** Mateo, J. and J.C. Tejada — The queen conch, *Strombus gigas* resource in the Dominican Republic.
- 13:15** Doerr, J. and R. Hill — Determining habitat use, movement, and migration patterns of queen conch, *Strombus gigas*, in St. John, USVI, using acoustic tagging techniques.
- 13:30** Ehrhardt, N. and M. Galo — Assessment of the status of exploitation of the Queen Conch, *Strombus gigas*, in Honduras.
- 13:45** Volland, J.M., et al. — Apicomplexa parasites in the digestive gland of various species of the Family Strombidae.\*
- 14:00** Blanqueto Cordova, D., et al. — Egg mass production of using enclosed areas with adult milk conch *Strombus costatus* (Gmelin) in the National Park Contoy Island, Isla Mujeres, Q. Roo, Mexico.\*
- 14:15** Aldana-Aranda, D., et al. — Digestive gland as a feed index for nutrition of *Strombus gigas* reared with formulated foods.
- 14:45** Hamilton, C. and J. Mateo — The status of aquaculture in the Dominican Republic.
- 15:00** Reyna, I., et al. — Protein structure of *Octopus maya* in the coasts of the Yucatan peninsula.\*
- 15:15** Pérez Pérez, M., et al. — *Octopus maya* in the Yucatan Peninsula: a healthful fishing resource.

### **Break (15:30-15:45)**

- 15:45** Rodriguez-Gil, L.A., et al. — Sea cucumber population and biomass estimate for fishing quote assignation in Sisal Fishing Cooperative, through the Yucatan State coast.
- 16:00** Prada, M. et al., — Exploring relationships between abundance of spiny lobster and environmental variability in the San Andres archipelago, implications for fisheries management.
- 16:15** Montero, P.A. et al., — Aspects of commercialization and morphometric characteristics of the freshwater crab (*Epilobocera haitiensis*) and the marine crabs (*Cardisoma guanhumis*, *Ucides cordatus* & *Gecarcinus ruricola*).

### **HABITAT SESSION (16:30-17:45)**

- 16:30** Rangel,-Avalos, A., et al. — Fish and coral reef communities of the Parque Nacional Sistema Arrecifal Veracruzano (Veracruz Coral Reef System National Park) Veracruz, Mexico: Preliminary results.
- 16:45** Ginsburg, R., et al. — Evidence for regional-scale depletion of fishes in the tropical North Atlantic.
- 17:00** Sealey, K. and S. Constantine — Fish fauna as indicators of coastal restoration goals and success.
- 17:15** Sanders, I. and I. Ruiz-Valentin — The impact of artificial reefs on fish diversity and community composition in Isla Ratones, western Puerto Rico.
- 17:30** Simonsen, K. and J.H. Cowan — Sport fish utilization of an inshore artificial oyster reef in Barrataria Bay, Louisiana.\*

### **FRIDAY: November 9, 2007**

#### **SCIENCE AND MANAGEMENT OF MARINE PROTECTED AREAS (08:30-12:30)**

- 8:30** Arrivillaga, A. — The MesoAmerican Reef ecoregional assessment: Setting priorities for marine conservation.
- 8:45** Vega-Cendejas, M.E. and M. Hernandez — Response of fish assemblages to protection areas designation: Yucatan coast.
- 9:00** Caldwell, C., et al. — A point for comparison: the Flower Garden Banks National Marine Sanctuary.
- 9:15** Criquet, G., et al. — Catches description of protected and unprotected areas in Martinique (Lesser Antilles).
- 9:30** Garcia- Hernandez, V., et al. — Recovery of the juvenile fishes after impact Wilma in a Natural Protected Area.\*
- 9:45** Franquesa Rinos, A. — Using volunteers in a comparative reef monitoring between a protected area and a tourist zone.
- 10:00** Caballero Vázquez, J.A., et al. — Analysis of fish biodiversity in a natural protected area located in the Mesoamerican Reef System.\*

### **Break (10:15-10:30)**

- 10:30** Garza Perez, J.R. and R. N. Ginsburg — Replenishing a near-collapsed reef fishery, Montecristi National Park, Dominican Republic.
- 10:45** Hillary, A. and G. Cid — Establishing MPA networks - Making it happen.

- 11:00** Marechal, J.M., et al. — No-take zones as a management tool for artisanal fisheries in Martinique, FWI.
- 11:15** Ruttenberg, B., et al. — The Science of Marine Reserves: a synthetic analysis of global effects and a new communication tool for Latin America and the Caribbean.
- 11:30** Valdes-Pizzini, M. and J.J. Agar — Closing remarks: fishing practices and the discourses of space regarding Marine Protected Areas (MPAs) in St. Croix, United States Virgin Islands
- 11:45** Grober-Dunsmore R., et al. — State of the nation's Marine Managed Areas (MMAs): with emphasis on the Caribbean, Atlantic and Gulf of Mexico regions.
- 12:00** Pina Amargós, F., et al. — Effects of reduction of fishing pressure on Jardines de la Reina, Cuba.

**Lunch Break (12:15-13:30)**

**BIOLOGY AND MANAGEMENT OF SPAWNING AGGREGATIONS (13:30-16:45)**

- 13:30** Donaldson, T. — Resident reef fish spawning aggregation dynamics.
- 13:45** Boomhower, J., et al. — Identification of reef fish spawning aggregation sites in Los Roques Archipelago National Park, Venezuela.\*
- 14:00** Paz, G. and G. Sedberry — Spawning of black grouper (*Mycteroperca bonaci*, Serranidae) in Belize.
- 14:15** Kobara, S. and W. Heyman — Comparative geomorphic analysis of Nassau grouper spawning aggregation sites in Belize and the Cayman Islands.\*
- 14:30** Loscascio, J., et al. — Sound production and spawning by black drum (*Pogonias cromis*) in Southwest Florida.\*
- 14:45** Mann, D., et al. — Studying red hind groupers spawning aggregations with long-term acoustic recorders in Puerto Rico.
- 15:00** Requena, N., et al. — Case Study of the Nassau Grouper spawning aggregation at Caye Glory, Belize: a brief history
- 15:15** Marshak, A. and R. S. Appeldoorn — Evaluation of seasonal closures of red hind, *Epinephelus guttatus* (Pisces: Serranidae), spawning aggregations to fishing off the west coast of Puerto Rico, using fishery-dependent and independent time series data.

**Break (15:30-15:45)**

- 15:45** Pugibet Bobeá, E. — Research on reef fish aggregations and spawning sites.
- 16:00** Aguilar-Perera, A., et al. — Identifying reef fish spawning aggregations in Alacranes Reef, off northern Yucatan Peninsula, using the fishermen traditional ecological knowledge.
- 16:15** Semmens, B., et al. — An intra- and inter-annual analysis of nassau grouper size distributions from a recently protected spawning aggregation in the Cayman Islands.
- 16:30** Pattengill-Semmens, C. and J. Cavanaugh — Five years of fish assemblage monitoring on modified reefs in the Florida Keys National Marine Sanctuary: the Wellwood coral restoration site and the Spiegel Grove artificial reef.

**STUDENT AWARD PRESENTATIONS**

**CLOSING CEREMONY**