



PROGRAM
70TH ANNUAL GULF AND CARIBBEAN FISHERIES INSTITUTE
Merida, Yucatan - Mexico
6-10 NOVEMBER 2017

PRE-MEETING ACTIVITIES

Friday, November 3

9:00 – 17:00 FAO/WECAFC workshop

Saturday, November 4

9:00 – 17:00 Acoustic Workshop Field Trip (Progreso)

9:00 – 14:00 FAO/WECAFC workshop

14:00- Caribbean Billfish Working Group Meeting
17:00

Sunday, November 5

9:00 – 17:00 Acoustic Workshop

9:00 – 17:00 MPA workshop

14:30 GCFI Board of Directors Meeting

16:00 Registration

19:30 Student-Board Social (for registered students and GCFI Board Members)
Venue TBD

Monday, November 6

OPENING CEREMONY

Program Chair: Alejandro Acosta, GCFI

HONORARY GUESTS

Opening Address

8:00	8:10	Rafael Rivera Bustamente,	Director of CINVESTAT – Opening Remarks
8:10	8:20	José Castillo Ruz,	Comision de Pesca, y Acuacultura Sustentable – Opening Remarks
8:20	8:30	Juan José Canul Pérez,	Secretario de Desarrollo Rural – Opening Remarks
8:30	8:40	Raúl Godoy,	Secretario de Investigación e Innovación Gobierno Estado de Yucatán – Opening Remarks
8:40	8:50	Nancy Brown-Peterson	Chair, GCFI Board of Directors– Opening Remarks
8:50	9:00	Dalila Aldana-Aranda	CINVESTAT – Opening Remarks

PRESIDIUM:

1. José Castillo Ruz, Comision de Pesca, y Acuacultura Sustentable y/o Juan José Canul Pérez, Secretario de Desarrollo Rural
2. LeRoy Creswell, Executive Secretary GCFI
3. Alejandro Acosta, Scientific Program, Board Director
4. José de Jesús Williams, Rector UADY
5. Nancy Brown-Peterson, Chairperson GCFI
6. Raúl Godoy, Secretario de Investigación e Innovación Gobierno Estado de Yucatán
7. Dra. Josefina Santos Valencia, Directora INP
8. Rafael Rivera Bustamente, Director Unidad Mérida Cinvestav
9. Manuel Pérez Mendez, Director Cámara de Comercio de Pesca
10. José Luis, Presidente de la sociedad de Cooperativas de Pesca
11. Mirna Manzanilla, Directora Tecnológico de Mérida
12. Mario González, Director ECOSUR
13. Robert Glazer, Executive Director, GCFI
14. Dalila Aldana Aranda, Coordinadora 70 GCFI

9:00-9:50	<u>Keynote Speaker</u> Brian Luckhurst	"The Oceans are Changing - Implications for Fisheries" <i>Question and comment period</i>
9:50- 10:00	LeRoy Creswell	GCFI Executive Secretary; Opening Bell
10:00	Coffee break	

TECHNICAL SESSIONS

The Grouper Fishery of the Gulf of Mexico or "Governance, livelihoods and organizations". *Moderator: Alejandro Acosta (Sponsored by CINVESTAT, Instituto Tecnológico de Merida, UNAP and GCFI,)*

10:30-10:45		Session Overview Presentation
10:45-11:00	Vidal-Hernández, Laura	Evidence Of Risk on <i>Epinephelus morio</i> By Recreational Fishing in the Cost of Yucatan and the Alacranes Reef (Mexico)
11:00-11:15	Monroy Garcia, Carmen	Impact of the Use of Different Hooks in the Grouper Fishery (<i>Epinephelus morio</i>), in the Coastal Zone of Yucatán: Through a Size-based Approach
11:15-11:30	Rodriguez Gil, Luis Alfonso	Monitoring of Fishery of the Grouper in the Port of San Felipe, Yucatán, Mexico
11:30-11:45	Renan, Xinema	Otolith Shape Analysis in Groupers from Different Southern Gulf of Mexico Habitats
11:45-12:00	Rincón-Sandoval, Luis A*	Effect of Hook Size and Bait Size on the size at Catch of the Red Grouper (<i>Epinephelus morio</i>) in Coastal Waters of the Yucatan Peninsula, Mexico
12:00-12:15	Galindo-Cortes, Gabriela	Variations in Recruitment Levels of Red Grouper (<i>Epinephelus morio</i>) at the Bank of Campeche during 1980-2016
12:15-12:30	Enriquez-Hernandez, Elsa I.	The Status of the Groupers Major Fishing Resources in the North of the Mexican Caribbean, Based Upon Simple Indicators
12:15-14:00	Lunch	

Lunch **BIOPAMA - From knowledge to action for a Protected Planet. The Biodiversity and Protected Areas Management (BIOPAMA)** Programme will be hosting a lunch session to share the programme's goals and objectives for the next 6 years. BIOPAMA is an initiative of the ACP Group of States and is funded by European Union under the 11th EDF.

CONCURRENT WORKSHOP

CLME+ Meeting (14:00- 17:00) Ecosystem Approach of Key Fisheries including flying fish, spiny lobster, shrimp, and groundfish in the CLME+ region. Hosted by: *the Project Coordination Unit of the UNDP/GEF CLME+ Project*

TECHNICAL SESSIONS

Socio-economic and Governance, Moderator: Patrick McConney (Sponsored by GCFI)

14:00-14:15	Botto-Barrios, Darlin	Towards Adaptive Co-management of Small-Scale Marine Fisheries in Colombia: Study Cases - Taganga and Tumaco
14:15-14:30	Coronado, Eva	Toward the Generation of a Governability Index for Small-scale Fisheries: The Case Study of Yucatan Peninsula, Mexico
14:30-14:45	Duarte, Luis Orlando	Towards the Management of the Artisanal Trawl Fishery in the Caribbean of Colombia: Local Ecological Knowledge and Participatory Learning
14:45-15:00	Wade, Eric*	Property Rights in Fisheries Management: The Case of Belize's Managed Access Program
15:00-15:15	Villanueva, Raúl	Distributional Performance of a Small-scale Lobster Fishery Managed Under a TURF Scheme
15:15-15:30	Vidal-Hernández, Laura	Network Analysis of the Fishing Product Trade: An Alternative Method for Governance of Rural Fisheries — The Yucatan Sea Cucumber Case (Mexico)
15:30-15:45	Garza-Lagler, Christina	The Analysis of Market Structures in the Fisheries Organizations of the Coast of Yucatan, Mexico
15:45-16:00	Cardenas, Sandra	Cross-Border Fishing in the Gulf of Honduras
16:00-16:15	Coffee Break	

Socio-economic and Governance, *Moderator: TBD; (Sponsored by GCFI)*

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|-------------|--------------------------|---|
| 16:15-16:30 | Sidman, Charles | Opportunities to Strengthen Co-Management of Caribbean Offshore FAD Fisheries |
| 16:30-16:45 | Montes, Nancy | Perceived Impact of FAD Development Programs on the Livelihoods of Caribbean Offshore Fishers |
| 16:45-17:00 | Sadusky, Heather* | A Guide to Managing Fish Aggregation Devices (FADs) in the Caribbean |
| 17:00-17:15 | García-Moliner, Graciela | Participation of Women in GCFI |
| 17:15-17:30 | Aldana Aranda, Dalila | GCFI Space for the Leadership of Women Scientists? |

Fishers forum — Gladden Memorial Award (GMA). *Moderator: Will Heyman (Sponsored: GCFI; NOAA and Shell)*

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|-------------|--|---|
| 17:30-17:50 | Heyman, Will | Introduction to Fisheries for Fishers (F4F) initiative, and the 2017 Gladden Memorial Award (GMA) |
| 17:50-18:00 | Lay, Mitchell | Closing |
| 19:30 | Informal Reception & Welcome Address, Robert Glazer, Executive Director, GCFI | |

[Tuesday, November 7](#)

TECHNICAL SESSIONS

GCFI-SEAC Symposium on Acoustic Technologies to Improve Reef Fish Ecosystem Surveys *Moderators: Bill Michaels and Chris Taylor. (Sponsored by: NOAA and GCFI)*

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| 08:00-08:30 | Michaels, William | Developing a Strategic Initiative to Transition Technologies into Operations for Improving Reef Fish Ecosystem Surveys |
| 08:15-08:30 | Nealson, Pat | Hydroacoustic Tools for Monitoring Shrimp Distribution, Movement, and Behavior in Natural and Built Environments |
| 08:30-08:45 | Binder, Benjamin | An Integrated Approach to Develop <i>in situ</i> Target Strength – Length Relationships for Atlantic Goliath Grouper (<i>Epinephelus itajara</i>) on Coastal Reefs |
| 08:45-09:00 | Landero, Montserrat* | Using Acoustic and Optical Methods in Fish Spatial Distribution Assessment |

09:00-09:15	Lebourges-Dhaussy, Anne	Underwater Acoustics for Ecosystem Research: Current Advances and Perspectives in Northeast Brazil
09:15-09:30	Martinez Clavijo, Santiago	Acoustic Assessment of Bathymetry, Bottom Types and Characterization of Ichthyofaunal Community in Shallower Waters of Serrana Key Island, Biosphere Reserve Seaflower, Colombia
09:30-09:45	Rowell, Timothy*	Coupling Echosounder and Hydrophone Surveys at Spawning Aggregations: Relationships Between Levels of Fish Sound Production and Density
09:45-10:00	<u>Schärer-Umpierre, Michelle</u>	Coupling Passive Acoustic Techniques to Survey Fish Spawning Habitats in Puerto Rico
10:00-10:30	Coffee Break	
10:30-10:45	Cherubin, Laurent	Implementation of a Passive Acoustic Monitoring System on a SV3 Wave Glider and Applications
10:45-11:00	Silva, Lina Marcela	Acoustic Assessment of Zooplankton Biomass in the Coast of Magdalena, Colombian Caribbean
11:15-11:30	Pyc, Cynthia	Monitoring the Soundscape of Paradise Reef, Cozumel: A Tool for Assessment and Conservation Planning
11:30-11:45	Taylor, Chris	Overview of the GCFI-SEAC Acoustic Workshops for Building Scientific Capacity to Improve Reef Fish Ecosystem Surveys
11:45-12:30		Wrap up and group questions.
12:30-14:00	Lunch	
14:00		Fishers field trip: <i>(Sponsored by Cooperatives of Yucatan)</i>

TECHNICAL SESSIONS

Marine Protected Areas (MPAs) Science and Management. , (UNEP-CEP-SPAW/CaMPAM, GCFI). *Moderator:* Georgina Bustamante

14:00-14:15	Ramirez, Silia	Network of Recovery Areas in the Caribbean Guatemala as a Tool for Management and
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Conservation of Marine and Coastal Resources and Ecosystems

- 14:15-14:30 Fulton, Stuart The Troika of Fishers, Government and Academia: Improving the Likelihood of Success in Fish Spawning Aggregation Conservation in the Mexican Mesoamerican Reef
- 14:30-14:45 Doyle, Emma An Update on Marine Protected Area Management Capacity in the Caribbean, 2011-2017
- 14:45-15:00 Aguilar-Perera, Alfonso Rapid Resilience Assessment Protocol Reveals Good Coral Reef Conditions in the Parque Nacional Arrecife Alacranes, off the Northern Yucatan Peninsula, Mexico
- 15:00-15:15 Appeldoorn, Richard Incorporating Deep Mesophotic Coral Ecosystems into MPA Planning
- 15:15-15:30 Cobian [Rojas](#), Dorka Strategies and Regulations for a Sustainable Development of Tourism in the Marine-coastal Area of the Guanahacabibes National Park
- 15:30-15:45 Espinosa [Andrade](#), Noemi* Protecting Reefs with High Structural Complexity Benefits Fish Biomass in the Mexican Caribbean
- 15:45-16:00 Maldonado, Andres Ambassadors Fishing with Science for Ecosystem Management
- 16:00-16:15 **Coffee Break**

Marine Protected Areas (MPAs) Science and Management. (UNEP-CEP-SPAW/CaMPAM, GCFI). Moderator: Martha Prada

- 16:15-16:30 Newball, Casimiro Guardians of Marine Protected Areas, an Effective Conservation Strategy
- 16:30-16:45 Baldeo, Roland Minimizing Fisher Impact on the Coral Reef at the Moliniere Beausejour MPA Through Sustainable Livelihood Initiatives: Case Study from the ECMMAN Project, Grenada
- 16:45-17:00 Ramdeen, Robin How Do We Adapt Stakeholder Engagement for Effective Ocean Planning in the Caribbean? A Case Study of the Waitt Institute's Stakeholder Engagement Toolkit

17:00-17:15	Prada, Martha	Evaluation of the CaMPAM Marine Protected Areas Database and its Relevance for Application of EBM Concepts and Tools
17:15-17:30	Flower, Jason	Data-limited Marine Spatial Planning: Generating Maps of Priority Conservation Areas in Montserrat

POSTER SESSION with Cocktails and Snacks *Hosted by GCFI (Sponsored by GCFI) Poster session Coordinators: (TBD)*

19:00-21:00

Presenters should be at odd numbered posters from 19:00-20:00 and even numbered posters from 20:00 – 21:00

Poster Number	Author	Title
1	Aguilar-Perera, Alfonso	Marine Introduced Species in the Southern Gulf of Mexico and Mexican Caribbean: A Checklist
99	Anariba, Jorge	Fisheries Management Technology Tools - Lessons, Challenges and Opportunities
2	Arias-Aleman, Leonardo	Caribbean Marine Atlas: Technological Platform as Information Repository to Support Integrated Coastal Management and Ecosystem-based Management for the Region
85	Arkam, Salim	Characterization of Cultivable Bacteria Associated to the Coral <i>Porites astreoides</i> in Guadeloupe Island and Demonstration of the Metabolic Activity of Isolated Strains
86	Asencio, Claudeth	Determination of Location and Dimension of Escape Windows for Traps Used in the Fishery of Blue Crab (<i>Callinectes sapidus</i>) in the Ciénaga Grande de Santa Marta, Colombian Caribbean
70	Ávila Méndez, Emmanuel	Metazoan Parasites of <i>Euthynnus alletteratus</i> (Osteichthyes: Scombridae) in the Central Coast of the State of Veracruz, Mexico
87	Avendaño Álvarez, Otilio	Biomass Estimates of Common Octopus <i>Octopus vulgaris</i> in the Continental Shelf of Yucatan
39	Ávila Turriago, Laura Maria*	Satellite Telemetry of Sea Turtles from the Colombian Caribbean

100	Bonilla Anariba, Sara Esther	Fishing Styles in the Caribbean Sea of Honduras
4	Bouchon, Claude	Mapping of the State of Health of the Coral Communities of Martinique Island (Lesser Antilles)
78	Brito-Manzano, Nancy Patricia	Evaluation of the Content of Heavy Metals in Water, Sediment, and the Oyster <i>Crassostrea virginia</i> of Lagoon Mecocacán, Tabasco
79	Brito-Manzano, Nancy Patricia	Density Effects on the Survival of the Juvenile Conch “Tote” <i>Pomacea flagellata</i> Under Laboratory Conditions in Tabasco, Mexico
23	Bustamante, Georgina	Combining Grant Awarding with Technical Assistance and Training and to Build Capacity of Marine Protected Areas in the Caribbean: The Case of the CaMPAM-ECMMAN Small Grant Program
24	Bustamante, Georgina	A Transatlantic Initiative Supports Exchanges Among Regional Networks of Marine Protected Managers Around the World and CaMPAM is at the Forefront
46	Butkowski, Drew	Coordinating Lionfish Removal Efforts Using a Publicly Accessible Web Map
48	Caballero, José Adán	Risk Map of the Lion Fish Invasion in the Mexican Caribbean
3	Cannon, Abigail*	The Influence of Simulated Green Turtle Grazing, on Benthic Community Composition, Seagrass Productivity, and Stingray Foraging in a Highly Runoff-influenced Environment
101	Cervera-Pacheco, Regina	Fishermen Perspectives on the Fishery Ban of Red Grouper <i>Epinephelus morio</i> (Teleostei: Epinephelidae) in Sisal, Yucatan, Mexico
80	Chávez Villegas, Jose Francisco	Effect of Ocean Near-future Predictions During Larval Period of the Queen Conch (<i>Strombus gigas</i>)
30	Chavez, Ernesto A.	Towards a Sustainable Exploitation of the Caribbean Fisheries
81	Chong, Fabiola*	Hormone Cycle in <i>Strombus (Lobatus) gigas</i> (Linneo, 1758)

82	Chong, Fabiola*	Relation Between Hormonal Cycle and Gonadic Stages of <i>Strombus pugilis</i> (Linneo, 1758)
49	Cobián Rojas, Dorka	Diversity of Native Reef Fish Communities in Two Protected Areas in the Caribbean Sea and its Relationship to the Invasive Lionfish
102	Compton, Sanya	A Participatory Process for Formulating a Protocol on the Small-Scale Fisheries Guidelines
103	Compton, Sanya*	National Intersectoral Coordination Mechanisms (NICS): Marine Resources Management through Effective Integrative Governance
104	Cordero Romero, Salvador	Socioeconomic Factors and Risk Perception of Sea Cucumber Migrant Harvesters in the Yucatan, Mexico.
105	Coronado, Eva	Characterization of Small-scale Fisheries of the Yucatan Peninsula, Mexico: Complexity and Management Challenges
57	Cox, Amy M.	Does Unoccupied Microhabitat Patch Size Affect Early Post-Settlement Demographics in a Coral Reef Fish?
83	Cruz-Marrero, Wilmelie	Comparing Divers and Camera Sled Surveys for Assessing Queen Conch Abundance in Puerto Rico
58	Cuervo, Carlos*	Temporal Changes in the Functional and Taxonomic Diversity of the Colombian Caribbean Sea Demersal Fish Community
106	D'cuire, Emilio	Governance of Marine Resources Through Integrated Fisheries Management
84	Delgado, Gabriel	Arrested Sexual Development in Queen Conch (<i>Strombus gigas</i>) Linked to Abnormalities in the Cerebral Ganglia
107	Dorantes González, Miguel Angel	Characterization of the Shark Market in the Southeast of Mexico
68	Dove, India	Evaluating the Recovery of a Nassau Grouper (<i>Epinephelus striatus</i>) Spawning Aggregation

		via Length-frequency Analysis from Underwater Laser Caliper Video
59	Ellis, Katherine	Comparative Diet and Trophic Ecology of Red Snapper (<i>Lutjanus campechanus</i>), Vermillion Snapper (<i>Rhomboplites aurorubens</i>), and Blackfin Snapper (<i>Lutjanus buccanella</i>) in the Northwestern Gulf of Mexico
5	Falcetta, Marcos Francesco	Promoting Ecosystem-based Management in the Caribbean: A Regional Pilot-template in the Dominican Republic
17	Fletcher, Pamela	Expanding the Collection and Use of Climate Data in the Caribbean
50	Fogg, Alexander	Lion King: Invasive Lionfish (<i>Pterois</i> sp.) Agonistic Behavior Observations
108	Francis, Calliste	Their Own Co-management of Offshore FAD Fisheries in Grenada
71	Franks, James	Fishes Collected in Association with Pelagic Sargassum in the Northcentral Gulf of Mexico During Surveys Conducted by the Gulf Coast Research Laboratory, 1999-2008; 2010-2011: A Checklist
31	Galindo-Cortes, Gabriela	First Estimations of Maximum Sustainable Yield of Main Finfish Fisheries Caught on the Coast of Veracruz: A Simple Catch-based Approach
40	Garcia Alvarado, Pedro Alberto	Evaluation of the Satellite Transmitters' Behavior Using ARGOS System Used for Tracking Marine Turtles
6	Garcia, Nepsis*	Monitoring of Herbivorous Fish in Coral Ecosystems of the Dominican Republic Using the Guidelines from the Global Coral Reef Monitoring Network (GCRMN), 2017
51	García-Rivas, María Del Carmen	Spatial and Temporal Differences Related to Age, Habitat and Predatory Strategies in Lionfish
52	Gittings, Stphen	Involving Fishing Professionals in Lionfish Trap Evaluation

19	Gomez-Rodriguez, Santiago	Trophies, Fecundity and Markets for Animal Parts: An Economic Case Study of <i>Pristis</i> spp. Extinction and Some Conservation Policy Solutions
36	González Pabón, María De Los Ángeles	Changes in the Abundance and Fishing Effort in the Gulf of Salamanca during Different Stages of Development of Coal Port Operations
88	Guarneros Narváez, Paulina Valerai	Spatio-temporal Distribution of <i>Octopus maya</i> by Age
37	Guéné, Mathilde	Contamination of Scleractinian Corals by Microplastics in Guadeloupe Island (Lesser Antilles)
60	Gutiérrez Estrada, Diana Leticia	First Results on the Study of the Bite Process of the American Mero <i>Epinephelus morio</i> Using a Biomechanical Model
7	Harvey, Michael	Identifying Key Biodiversity Areas for Marine Vertebrates in the Greater Caribbean
25	Hernández-Landa, Roberto Carlos	Composition of Parrotfish (Labridae: Scarinae) in the Parque Nacional Arrecife Alacranes, Southern Gulf of Mexico
42	Hoffmayer, Eric R.	Movement and Habitat Use of Whale Sharks (<i>Rhincodon typus</i>) Tagged in the Northern Gulf of Mexico
26	Horsford, Ian	Preliminary Results of a Fishery Independent Trap Survey of Marine Reserve and Fishing Areas on the South Coast of Antigua
109	Huchim Lara, Oswaldo	Risk Perception of Diving Among Small-scale Fishers: A Qualitative Risk Assessment
110	Ishida, Mitsuhiro	Fisheries Co-management Rules and Regulations: Toward Caribbean Fisheries Co-management Project
72	Jáuregui Romero, Guiomar Aminta	Genetic Variability Evaluation of the <i>Caretta caretta</i> and <i>Chelonia mydas</i> , from Mitochondrial DNA, Nororiental Sector Colombian Caribbean
111	Jiménez Badillo, Ma. De Lourdes	Capacity Building in Fishing Communities of the Gulf of Mexico

73	Johnson, Donald	Some Effects of Hurricanes on Ichthyoplankton in the Upper Mixed Layer
8	Kimball, Justine	NOAA's National Coral Reef Monitoring Program: Integrated Ecosystem Monitoring and Reporting in U.S. Coral Reef Areas to Inform Conservation and Management
9	Labbouz, Lucie	Improving Long-term Coral Reef Monitoring in the Wider Caribbean region: GCRMN-Caribbean Accomplishments for 2016
124	Puga Millán, Rafael	A Multi-institutional Approach to Bio-economic Fishery Models in Cuba
10	Lapointe, Brian	Macroalgal Blooms in the Belize Barrier Reef Complex: Evidence of Long-Term Nutrient Enrichment
61	Lockhart, Kathy	Evaluation of the Local Trends in the Spatial and Temporal Variation of Hogfish – <i>Lachnolaimus maximus</i> , in South Caicos, Turks and Caicos Islands, BWIs
112	López Quiroga, Oscar Gustavo*	Rubia, <i>Ocyrus chrysurus</i> Capture by the Artisanal Fishery in Antón Lizardo, Veracruz, México
89	Lopez-Rocha, Jorge A.	Habitat Preference of Sea Cucumber <i>Isostichopus badiionotus</i> (Selenka, 1867)
96	Macal-López, Karina	Food Habits of Hogfish <i>Lachnolaimus maximus</i> (Perciformes: Labridae) from the North Coast of Yucatan, Mexico.
18	Maharaj, Ravi*	Exploring Factors Determining the Sensitivity of Reef Fish Assemblages to Ocean Warming
21	Maldonado-Bandala, Rocío	Vulnerability of Critical Habitats of Green (<i>C. mydas</i>) and Hawksbill Turtles (<i>E. imbricata</i>) to Oil Activity in the Southern Gulf of Mexico
62	Margolis, Sarah	Historical Reconstruction of Red Snapper (<i>Lutjanus campechanus</i>) Size-at-Age
69	Martinez-Soto, Kayla	Egg Morphometrics and Fertilization Rates from Recovering and Unexploited Populations: Nassau grouper and Tiger grouper in the Cayman Islands

113	Mcconney, Patrick	Perils of Partnership
53	Meiners-Mandujano, Cesar	Diet Composition of Lionfish (<i>Pterois volitans</i>) in the Veracruz Reef System, Southwestern Gulf of Mexico
41	Mexicano-Cintora, Guadalupe	Technical Performance of Satellite Transmitters on Female Sea Turtles in the Gulf of Mexico and Caribbean Sea
27	Nava, Gabriela	Consolidation of a Coral Restoration Community Group in the National Park Reefs of Xcalak
22	Nava, Gabriela	Changes in Coral Cover, Coral Size Distribution, and Fish Density in Reef Restoration Sites of the Mexican Caribbean
11	Nuñez Vallecillo, Mayra	Biological Baseline for Fishing Replenishment Areas in the Honduran Caribbean
114	Ochoa, Mariela	Financial Sustainability of the Fishing Replenishment Zones of Guanaja, Bay Islands
63	Olaya-Nieto, Charle, W.	Reproductive Biology of Striped Mojarra <i>Eugerres plumieri</i> (Cuvier, 1830) in the Cordoba Caribbean Sea, Colombia
54	Olsen, David	A Note on Lionfish Removals in St. Thomas/St. John, U.S. Virgin Islands
28	Olson, Jack*	The Mona Island MPA 13 Years After No-take Designation: Testing the NEOLI Paradigm
12	Ortiz Oyola, Daniel Stiven	Structure and Functioning of the Trophic Web of Gulf of Salamanca, Colombian Caribbean
115	Ortiz-Rodriguez, Rafael	Towards a Participatory Management Model Through an Advisory Fishery Council: The Case of the Gulf Corvina in the Gulf of California
116	Oviedo-Romero, Vanessa	Fishing Operations Characterization of a Mixed Fleet: Case Study at Sisal, Yucatan, Mexico
43	Palafox-Juárez, E. Betzabeth	Density and Spatiotemporal Distribution of Sea Turtles on the Yucatan Shelf, Mexico
117	Panos, Smyrnios	Driving Market Demand Toward Sustainable Seafood Products

118	Paramo, Jorge	Contributions to the Diversification of Artisanal Fisheries in the Marine and Coastal Area of the Department of Magdalena, Colombian Caribbean
90	Peraza-González, Enrique E.	Evaluation of Energy Efficiency in the Process of the Brown Sea Cucumber in Yucatán
44	Peterson, Mark	The New Gulf and Caribbean Research-GCFI Partnership: A Peer-reviewed, Open Access Option for Publication of GCFI Manuscripts
91	Pharo, Devon	The Effects of Hard-bottom Habitat Degradation on the Ecology and Biology of the Florida Stone Crab <i>Menippe mercenaria</i> from the Florida Keys
13	Poon Kong, Nikita	Rebuilding Coral Reefs One Tree at a Time — Coral Restoration on Mustique, St. Vincent & The Grenadines
45	Poot, Cahun	Why Teach Fundamental Marine Conservation Concepts in Schools in Mayan Fishing Communities Using Maya (Yucateco) as the Language of Instruction?
92	Poot-Salazar, Alicia	Processing of Sea Cucumber on the Coast of Yucatan and Its Implications on the Fishery Management
123	Popa, Daniel	Healthy Fisheries Need Healthy Fishermen: An Overview of the Work-related Health Problems of the Artisanal Diving Fishermen of Yucatan, Mexico
64	Pozos Carré, Daniel Augusto*	Helminth Parasites of <i>Lutjanus campechanus</i> (Poey, 1860) in the Central Zone of the State of Veracruz, Mexico
74	Ramírez Gonzalez, Alma Rosa*	Metazoan Parasites of <i>Sardinella aurita</i> (Clupeiformes: Clupeidae) in the Central Coast of the State of Veracruz, Mexico
32	Ramirez, Argiro	Direct Assessment of Biomass, Spatial Distribution, and Current State of Southern Pink Shrimp Fishery (<i>Farfantepenaeus notialis</i>) in the Colombian Caribbean
14	Raynor, Chanel	Is Mangrove Restoration Worth the Effort?

33	Renan, Xinema	Sagittae Morphology of Economically Important Fishes from Southern Gulf of Mexico
75	Rios-Fuentes, Yunuen Gisell	Intestinal Parasitic Helminths of Some Sharks in the Central Coast of the State of Veracruz, Mexico
93	Rodriguez Gil, Luis Alfonso	Output and Conversion Factors Obtained from the Dehydration Process in Yucatan, Mexico Sea Cucumber
15	Rodriguez-Medina, Karla	Potential Distribution of Mangrove Communities in Mexico Using Correlative Niche Models
28	Romero, Eli	Boat to Boat” a MPA management approach to increase stakeholder involvement from fishing communities in Northern Belize.
47	Sabido Itza, Miguel Mateo	Density and Size of Lionfish and its Relationship with Environmental and Ecological Variables in Coral Reefs of Mexican Caribbean
119	Salas, Silvia	How Small-scale Fisheries in the Yucatan Peninsula Have Evolved? Expert Eye’s Perceptions
76	Sanchez, Suleyma	First Contributions of the Oceanographic Aspects in the SAR, "El Blanquizal", Xcalak, Quintana Roo, Mexico, through <i>in situ</i> Observations
94	Santos-Valencia, Josefina	Variations in Recruitment and Spawning Stock Biomass of the Red Octopus (<i>Octopus maya</i>) in the Yucatan Peninsula during Fishing Seasons 2007-2016
95	Shivlani, Manoj	Developing a Fishery Management Plan for the Bahamas Spiny Lobster Fishery
55	Sweeney Tookes, Jennifer	Commercial Fishermen’s Willingness to Harvest Lionfish: A Multi-disciplinary Analysis of the Potential Supply in the US Virgin Islands
120	Tamura, Minoru	Overview of Caribbean Fisheries Co-management Project

97	Tello Cetina, Jorge	Use of Melanin from <i>Octopus maya</i> from Yucatan as Antibacterial Agent
65	Tobón Villatoro, Sergio	Diet Composition of Yellowtail Snapper, <i>Ocyurus chrysurus</i> (Bloch, 1971) Captured by the Artisanal Fishery of Antón Lizardo Veracruz, México
66	Towne, Ian	Evidence of Variable Growth Rates in Hogfish (<i>Lachnolaimus maximus</i>) Depending on Reef Tract
121	Uribe Cuevas, Mariana	Spatial Behavior and Profile of the Small-scale Fleet Catches in Yucatán, México
34	Vallès, Henri	A Preliminary Analysis of Marine Fishery Catches Along Southeast Haiti
56	Vanegas González, Maria Juliana	State of the Invasion of Lionfish <i>Pterois volitans</i> in the Continental Caribbean Colombian Coast, Nationwide Monitoring
67	Vargas Charris, Olga Cecilia*	Temporal Variability of Ecological Descriptors in the Demersal Fish Community of the Caribbean Sea of Colombia
38	Vargas-Facón, Perla	Determination of Cd, Pb, and Zn in the Oyster <i>Crassostrea virginica</i> from Carmen Lagoon, Tabasco, México
77	Velez, Sebastian*	Juvenile Population Dynamics of Families Lutjanidae and Serranidae in the Northern Gulf of Mexico, with Respect to the Loop Current and other Hydrographic Features
98	Villegas-Hernández, Harold	Selectivity, Abundance, and Density of Males and Females of <i>Callinectes sapidus</i> on the Coast of Yucatan
35	Wakida-Kusunoki, Armando T.	Shrimp Fishery Bycatch in the Bay of Campeche. Is it a Problem?
122	Weinstock, Stacey*	What are the Factors Affecting Trip Satisfaction for the For-hire Industry in South Carolina in relation to the Black Sea Bass bag limit?
16	Wims, Thomas	Innovative Technologies Used for Ocean Observing

2nd Gender in Fisheries Special Session

19:30 – 19:32	Martha Enriquez Díaz (Mistress of Ceremonies)	Welcome and opening remarks
19:32 – 19:35	Maria Pena (CERMES)	Introduction to the Gender in Fisheries Team (GIFT) initiative
19:35 – 19:55	Shelly-Ann Cox (CERMES)	GIFT theatrical presentation
19:55 – 20:00	Esther Alonzo (Director, Gender Commission, Yucatán Government)	Esther Alonzo (Director, Gender Commission, Yucatán Government) Gender agenda of the Yucatán government
20:00 – 20:05	Ruby Bentacourt (Former Head, Ministry of Fisheries)	Direction of fisheries policies in the Yucatán
20:05 – 20:10	Lilia Frías (President, Cooperative Society)	Opportunities and limitations of women in fisheries in the Yucatán
20:10 – 20:15	Dalila Aldana Aranda (Cinvestav)	12 Leading Ladies in Fisheries in the Yucatán 2018 calendar launch
20:15 – 20:30	All Leading Ladies	<i>All Leading Ladies Calendar signing and photo opportunity</i>

Special POSTER SESSION: Gender in Fisheries [Sponsored by GCFI] (Moderators – Maria Pena and Dalila Aldana Aranda)

20:15-21:00		
1	Boné Morón, Eduardo	Women's Contributions to Sustainable Fisheries in Mexico, Cuba and the World
2	Frangoudes, Katia	Why and How Do Fisherwomen Build Their Own Organization?
3	Gender in Fisheries Team (GIFT)	Developing Practical Solutions to Issues Faced by Working Women in the All-female Central Fish Processors Association (CFPA) in Barbados

4	Gavaldon, Ana	Gender and fisheries in a changing world: the coast of Yucatan in Mexico
5	Grant, Sandra	Women in Fisheries Forum (WIFF) in Belize: Promoting Gender Equality and Equity in Fisheries
6	Simmons, Bertha	Caribbean Small-Scale Fisherwoman Learning Exchange in Costa Rica: Women's Voices

Specially invited guests:

- Aicela Beatriz Rosado Martínez, Dirección de apoyo a la Mujer y grupos vulnerables
- Graciela Garcia-Moliner, Former Chairperson, GCFI
- Nancy Brown-Peterson, Chairperson, GCFI
- Esther Alonzo, Directora Comisión de Género Gob. Yucatán
- Ana Pech, Empresaria Pesca
- Lilia Frías, Presidenta Sociedad Cooperativa
- Ruby Bentacourt, Delegada de Pesca
- Aicela Beatriz Rosado Martínez, Dirección de apoyo a la Mujer y grupos vulnerables

Wednesday, November 8

TECHNICAL SESSIONS

Marine Animal Movement Ecology in the Wider-Caribbean (*Moderators: Dr. Sue Barbieri and Jorge Brenner*) (*Sponsored by TNC and GCFI*)

8:00-8:15	Barbieri, Sue	Session Overview Presentation
8:15-8:30	Uribe-Martínez, Abigail	Spatial Features of Sea Turtle Post-nesting Migrations and Core Use Areas in the Southern Gulf of Mexico and Caribbean Sea
8:30-8:45	Gallego-Fernandez, Sandra. A.	Under the Sea Surface: Sea Turtles Diving Behavior
8:45-9:00	Moncada, Felix	North Coast of the Cuban Shelf: A Migratory Corridor for Sea Turtles in the Caribbean Sea Region
9:00-10:00	MEETING OF THE GCFI MEMBERSHIP (Everyone is welcome - Learn about GCFI)	
10:00-10:15	Coffee break	

Marine Animal Movement Ecology in the Wider-Caribbean (Moderators: Dr. Sue Barbieri and Jorge Brenner) (Sponsored by TNC and GCFI)

10:15-10:30	Ortuno Crespo, Guillermo	Advancing Area-Based Planning and Network Approaches in Areas Beyond National Jurisdiction: A Global Review of Data on Connectivity for Migratory Marine Animals
10:30-10:45	Alvard, Michael	Identifying Patch Types Using Movement Data from Artisanal Fishers from the Commonwealth of Dominica
10:45-11:00	Cerutti-Pereyra, Florencia	Spotted Eagle Ray Aggregations in the Mexican Caribbean Using Citizen Science and Photo-identification – A Base Line Study
11:00-11:15	Cuevas, Eduardo	Review of Satellite Tracking Efforts of Two Sea Turtle Species from Southern Gulf of Mexico
11:15-11:30	Bassos-Hull, Kim	Movement Patterns of Spotted Eagle Rays (<i>Aetobatus narinari</i>) Along Southwest Florida and in the Gulf of Mexico
11:30-11:45	Heidmann, Sarah*	Migration of Mutton Snapper (<i>Lutjanus analis</i>) Between Home Range Areas and Spawning Aggregation Sites in the US Virgin Islands
11:45-12:00	Szedlmayer, Stephen	Mortality Estimates for Red Snapper, <i>Lutjanus campechanus</i> , Based on Acoustic Telemetry and Conventional Tagging in the Northern Gulf of Mexico
12:00-12:15	Stock, Brian*	Mapping Fine-scale Dispersal of Nassau Grouper (<i>Epinephelus striatus</i>) Eggs from a Spawning Aggregation with a Novel Plankton Imaging System
12:15-12:30	Biggs, Christopher*	Spatial Distribution, Habitat Associations, and Periodicity of Spotted Seatrout (<i>Cynoscion nebulosus</i>) Spawning in South Texas
12:30-14:00	Lunch Break	
14:00	Field trips:	

a) **Dzibilchaltún** is a great Maya city that is only 15 km. from Mérida. Cost \$ 10.00/ person

b) **A world-class museum celebrating Maya culture**, the Gran Museo del Mundo Maya (Great Museum of the Mayan World). Cost \$ 5.00/ person.

19:30-21:00 **CINEFISH** Moderator: *Fadilah Ali and Luis Rodriguez-Gil* (Sponsored by GCFI)

Thursday, November 9

CONCURRENT WORKSHOP:

Best practices for acoustic surveys in reef fish ecosystems (08:00- 17:00) Hosted by: *Gulf and Caribbean Fisheries Institute (GCFI) and SouthEast Acoustic Consortium (SEAC)*, with sponsorship from the *National Oceanic and Atmospheric Administration (NOAA)*, *Kongsberg-Simrad*, and *Echoview*

TECHNICAL SESSIONS

Innovative technologies and tools to support implementation of Ecosystem-Based Management” (EBM) and the “Ecosystem Approach to Fisheries” (EAF) in the CLME+ region. Chair: Moderator: *Andrea Salinas*. Sponsored by *CLME+ and GCFI*)

8:00-8:15	Patrick Debels	Session Overview Presentation
8:15-8:30	Posada, Juan M.	Development and Use of Applications for the Promotion of Responsible Fishing and Consumption, and the Strengthening of Governmental Management for the Conservation of Coastal Marine Resources: The Experience of Fundación Marviva
8:30-8:45	Laurent, Yann	Innovative Approaches in Support to Fisheries Management and Stock Assessment Systems
8:45-9:00	Mallalieu, Kim	Marine Communications Range Analyzer and Data Observatory for Small-scale Fisheries
09:00-09:15		Group questions

09:15-09:25	Lopez, Jorge Alberto	Clima Pesca: Climatic Information at the Service of the Regional Fisheries and Aquaculture Sector
09:25-09:35	Wright, P.W.	Leveraging IT to Counter IUU Fishing and Improving SAR Operations
09:45-09:55	Pittman, Simon	Decision Support Tool for the Prioritization of Coral Reefs in the U.S. Virgin Islands
09:55-10:05	Manjarrés Martínez, Luis	Colombian Fisheries Statistical Service (SEPEC): A Computer Platform for the Integrated Management of Fishery Resources
10:05-10:15	Mcdonald, Will	Using Sunlight and Cell Networks to Bring New Management Tools to Small-scale Fisheries
10:15-10:30	Sfeir, Alfred	Innovative Electronic Monitoring Applications for Rural Small-scale Fishing Vessels in Caribbean
10:30-10:45		Wrap up and group questions.
10:45-11:00	Coffee Break	

Lionfish Research (*Moderators: Joanna Pitt*) (*Sponsored by GCFI, FWC*)

11:00-11:15	Hasenei, Aaron	Environmental Physiology of Lionfish (<i>Pterois volitans</i> and <i>Pterois miles</i>) Metabolic Systems: Are There Physiological Limits to Inshore Invasion?
11:15-11:30	Bustos-Montes, Diana	Reproductive Aspects of the Invasive Lionfish in Taganga Bay, Colombian Continental Caribbean
11:30-11:45	Acero, Arturo	Feeding Habits of <i>Pterois volitans</i> : A Real Threat to Caribbean Coral Reef Biodiversity
11:45-12:00	Simnett, Skyler	Consumer Demand for Lionfish : A Multi-disciplinary Analysis of the Potential for a Lionfish Market in the US Virgin Islands

- 12:00-12:15 Sanjuan-Muñoz, Adolfo Assessment of the Impact of Lionfish on Coral Reef Fish Community in the Colombian Caribbean
- 12:15-12:30 Candelmo, Allison Vertical Movement and Site Fidelity of Lionfish (*Pterois volitans*) Along a Deep Reef Wall Using *in situ* Acoustic Telemetry
- 12:30-12:45 Cambronero-Solano, Sergio* Taxonomic Positioning and Isotopic Niche Characterization of Lionfish Species Complex (*Pterois volitans/miles*) in the South Caribbean, Costa Rica

12:45-14:00 **LUNCH**

12:45-14:45 **GCFI BOARD OF DIRECTORS MEETING**

TECHNICAL SESSION

Reefs and Associated Ecosystems: Lobster and other Invertebrates. *Sponsored by GCFI; Moderator:*

- 14:00-14:15 Lockhart, Kathy Evaluation of the Status of the *Panulirus argus* (Spiny Lobster) from 2004 through 2017 in the Turks and Caicos Islands
- 14:15-14:30 Hernández Millán, Martha Beatriz Fisheries Assessment of the Spiny Lobster (*Panulirus argus*) in Xcalak Reefs National Park, Mexico
- 14:30-14:45 Ríos Lara, Gloria Verónica Co-management in the Mitigating Impact of Sea Cucumber Fishery on the Lobster Fishery of Yucatan Coast, Mexico
- 14:45-15:00 Olsen, David A Study of the Virgin Islands Spiny Lobster Fishery: Growth, Population Size and Mortality
- 15:00-15:15 Hutchinson, Emily Catch of Postlarval Caribbean Spiny Lobster (*Panulirus argus*) Using Witham Collectors May Under Represent Peaks in Monthly Recruitment and Limit Assessment of Annual Trends

- 15:15-15:30 Tewfik, Alexander Examining Caribbean Spiny Lobster Size at Maturity Using Yellowtail Snapper -related Structures in Belize
- 15:30-15:45 Behringer, Donald What Toll does PaV1 Exact from the Caribbean Spiny Lobster Population?
- 15:45-16:00 **Coffee break**

Reefs and Associated Ecosystems: Conch other Invertebrates. *Sponsored by GCFI; Moderator: LeRoy Creswell*

- 16:00-16:15 Medina-Quej, Alejandro Current Situation of the Pink Snail (*Lobatus gigas*), Implications for its Fishery Management in the South of Mexican Caribbean
- 16:15-16:30 García-Rivas, Carmen Queen Conch Restoration Program in the Biosphere Reserve Banco Chinchorro
- 16:30-16:45 Joseph, Allena An Assessment of Conch Morphology on the Island of Saint Lucia and Possible Future Management Implications
- 16:45-17:00 Brito-Manzano, Nancy Patricia Temporal Variations in the Development, Growth, and Survival of the Larvae of Queen Conch *Strombus gigas* Under Experimental Cultures
- 17:00-17:15 Andreze-Louison, Ruby Influence of the Age of Female *Strombus (Lobatus) gigas* on Fertility and Larval Development Rates
- 17:15-17:30 Santana-Flores, Pablo* Reproductive Strategies of *Strombus (Lobatus) gigas*
- 17:30-17:45 Feunteun, Ellen Determine the Queen Conch *Strombus (Lobatus) gigas* Home-range During the Reproductive Period

Banquet Reception; (Optional)

Friday, November 10

TECHNICAL SESSIONS

Reef fish ecosystem: Demersal fisheries. *Sponsored by GCFI Moderator:*

8:00-8:15	Stewart, Laura	Comprehensive approach in assessing release mortality of targeted and non-targeted reef fishes in the Gulf of Mexico
8:15-8:30	Antoni, Luca	A First Assessment of Genome Wide Genetic Variation and Population Structure in Queen Triggerfish, <i>Balistes vetula</i>
8:30-8:45	Noh Quiñones, Virginia*	Reproductive Cycle and Sizes of First Maturity and Sexual Inversion of Hogfish, <i>Lachnolaimus maximus</i> , from the southern Gulf of Mexico
8:45-9:00	Paramo, Jorge	Community Structure of a New Potential Deep-sea Resource of Commercial Importance in the Colombian Caribbean Sea
09:00-09:15	Keller, Elizabeth*	Relationships Between Habitat and Fish Assemblages on Louisiana-Texas Shelf-edge Banks
09:15-09:30	Galvez, Guillermo Antonio	Economic Valuation of Mangrove Fisheries and Their Current Status
09:30-09:45	Ferreira da Silveira, Mariana*	Temporal Changes in a Small-scale Artisanal Reef Fishery in Brazil: Management Efficiency and Technological Transformations
09:45-10:00	Mayorga Martínez, Melissa	Potential Distribution of Mesophotic Coral Ecosystems at the Veracruz Reef System National Park
10:00-10:15	Jiménez Sosa, Maria de Lourdes*	Spatial Variation in the Composition of Fish Species Caught with Bottom Longline in Coastal Waters of the Northern Peninsula of Yucatán, México
10:15-10:30	Coffee break	

- 10:30-10:45 Beyea, Taylor A Remote Video Survey of the Coral Communities from Deep Water Mesophotic Reef Habitats in the Northern Gulf of Mexico
- 10:45-11:00 Giro Petersen, Ana The 2017 Mesoamerican Reef Report Card Measures Increasing Fish Biomass and Reef Health over the Last Decade

Reef Fisheries and Spawning Aggregations. *Sponsored by GCFI; SCRFA*
Moderator: Martin Russell

- 11:00-11:15 Sadovy, Yvonne Aggregations as a Proxy for Changes in Abundance in a Threatened Reef Fish, the Nassau Grouper
- 11:15-11:30 Erisman, Brad Tradeoff Analysis of the Conservation and Fisheries Benefits of Temporal Closures in a Spawning Aggregation Fishery
- 11:30-11:45 Waterhouse, Lynn* Comparing Management Actions and Assessing Trends in Populations of Reef Fish That Form Spawning Aggregations in the Caribbean
- 11:45-12:00 Pitt, Joanna Managing Fish Spawning Aggregations in a Changing Climate: A Case Study of Red Hind (*Epinephelus guttatus*) in Bermuda
- 12:00-12:15 França, Aline* Mutton and Dog Snappers (*Lutjanus analis* and *Lutjanus jocu*) Spawning Aggregations in the Brazilian Northeastern Continental Shelf: Identification and Validation
- 12:15-12:30 Zayas Santiago, Carlos M.* Use of Open Accelerometer Tag to Detect Grouper Courtship Associated Sounds: A Pathway to Spawning-Stock Size Determination

CONCURRENT WORKSHOP: Too Big to Ignore (TBTI) Meeting (08:00- 12:30)

- 08:30-10:15 SESSION 1: The big questions about sustainability and viability of small-scale fisheries in Latin America and the Caribbean. **Session chair:** Maria Pena (CERMES, West Indies)
- 10:30-12:30 SESSION 2: Implementing the Small-Scale Fisheries Guidelines in Latin America and the Caribbean: What will it take? **Session chair:** Silvia Salas (CINVESTAV, Mexico)

12:30-14:00 **Lunch**

TECHNICAL SESSION

Pelagic and Recreational Ecosystem Fisheries. *Sponsored by GCFI; Moderator: James Franks*

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| 14:00-14:15 | Keyes-Pulido, Shasta | A Multi-criteria Spatial Analysis to Determine Shark Species at Risk in the Gulf of Mexico |
| 14:15-14:30 | Sosa-Nishizaki, Oscar | The Use of Tagging Data and Ecological Niche Models to Establish the Baseline of Pelagic Fish Vulnerability to Deep Oil Spills in the Mexican Portion of the Gulf of Mexico: The Yellowfin Tuna Case |
| 14:30-14:45 | Altamar, Jairo | Optimal Mesh Size for the Capture of Serra Spanish mackerel (<i>Scomberomorus brasiliensis</i>) with Artisanal Gillnets in the Colombian Caribbean |
| 14:45-15:00 | Robinson, Kelly | Predictions of the Presence of Coastal Pelagic Fishes off Georgia, USA, from Local Oceanographic and Biological Conditions |
| 15:00-15:15 | Garza-Gisholt, Eduardo | Understanding Visual Ecology of Sharks and the Possible Use in Bycatch Reduction Devices |
| 15:15-15:30 | Moncrief, Trevor | Tails n' Scales: Use of an Innovative Reporting System for Red Snapper (<i>Lutjanus campechanus</i>) Management in Mississippi |
| 15:30-15:45 | Nembhard, Nadine | Mobile Applications for Fishermen: Catching ICT at Sea and On the Road |

Concurrent Sessions: Too Big to Ignore (TBTI) Meeting (14:00- 16:00)

14:00-15:45 SESSION 3: Is “transdisciplinarity” an answer to the wicked problem in small-scale fisheries governance? **Session chair:** Maria Jose Espinosa (COBI, Mexico)

15:45-16:00 **Coffee Break**

TECHNICAL SESSION

Climate Change. *Sponsored by GCFI: TBD*

16:00-16:15	Monnereau, Iris	Vulnerability of the Caribbean Fisheries Sector and Identification of Appropriate Adaptation Pathways to Counter Climate Change Impacts in the Eastern Caribbean
16:15-16:30	Johns, Elizabeth	The Role of Surface Wind Forcing on the Movement and Distribution of <i>Sargassum</i> in the North Atlantic Ocean and Caribbean Sea
16:30-16:45	Johnson, Donald	Pelagic <i>Sargassum</i> in the North Tropical Atlantic: Mortality, Growth and Seasonal Prediction

STUDENT AWARD PRESENTATIONS

17:00-17:50		<u>Presentation of the Ron Schmied Scholarship</u> <u>Presentation of the GCFI Outstanding Student Achievement Awards.</u> <u>Presentation of SCRFA Award</u>
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18:00 **CLOSING CEREMONY**