

# PROGRAM

## 73RD ANNUAL GULF & CARIBBEAN FISHERIES INSTITUTE



GULF AND CARIBBEAN  
FISHERIES INSTITUTE



(c) Noel Lopez

# OUR VIRTUAL APPROACH



## ABOUT GCFI

The Gulf and Caribbean Fisheries Institute (GCFI) was founded in 1947 to promote the exchange of information on the use and management of marine resources in the Gulf and Caribbean Region. From its beginning, GCFI has endeavored to involve scientific, governmental, and resource-use sectors in providing a broad perspective on relevant fisheries issues. The GCFI membership comprises over 40 nations and territories representing university faculty and students, governmental agencies, policy-makers, private sector, fishers, non-governmental organizations, and other stakeholders.



## CONFERENCE THEME: GCFI73 - *Stories from the Field*

The meeting will bring together regional stakeholders to present success stories from around the Gulf and Caribbean. Providing the opportunity to discuss stakeholders' experiences related to managing marine resources and fisheries in the face of climate change will increase knowledge. By bringing together scientists, academics and practitioners to share case studies, we can collaboratively identify lessons learned and present strategies for managing multispecies fisheries options that could be scaled-up around the world.

The focus of GCFI73 will be on highlighting diverse stories that stimulate more effective communication among stakeholders to benefit people and ecosystems. GCFI73 will highlight approaches that lead to successful outcomes such as those that:

- Identify best practices for effective conservation and sustainable use of Gulf and Caribbean resources.
- Strengthen alliances between science and beyond by conveying innovative cooperative relationships that support implementation of ocean-related solutions.
- Promote transboundary, and national initiatives, transdisciplinary networks and research partnerships

# OVERALL SCHEDULE

TIME (EST)	MONDAY 2 NOVEMBER	TUESDAY 3 NOVEMBER	WEDNESDAY 4 NOVEMBER	THURSDAY 5 NOVEMBER	FRIDAY 6 NOVEMBER
10:00 - 11:00	GCFI Opening & <b>Keynote Address</b> RDML Tim Gallaudet (NOAA)	<b>Special Session</b> Recreational fisheries management in the last ten years – lessons learned, current efforts and challenges	<b>Special Session</b> Needs and opportunities for greater regional collaboration for recreational fisheries management	<b>Thematic Keynote</b> Dr. Cesar Toro	<b>Workshop</b> Next steps to advance sustainable recreational fisheries in the Gulf of Mexico and Caribbean
11:00 - 12:00				<b>Thematic Keynote</b> Dr. Yvette Diei-Ouadi	
12:00 - 13:00				Membership Meeting	
13:00 - 17:00	No Activities Scheduled				
17:00 - 18:00	<b>GCFI73 Happy Hour</b>	<b>No Activities Scheduled</b>	<b>CINEFISH Film Festival</b>	<b>Meet the GCFI Board Social</b>	<b>Story Slam</b> - <b>Kingfish Trio Performance</b> - <b>Closing Ceremony &amp; Social</b>
18:00 - 19:00	<b>GCFI73 E-Poster Session</b>				
19:00 - 20:00					

## REGISTRATION

Registration for GCFI73 will be FREE to all attendees and includes participation in special and thematic sessions, the e-poster session, the Speed Science Student Competition, the GCFI Story Slam, the CINEFISH film festival and other informal events. To participate, registration is necessary and can be completed on the [Conference Registration Page](#). Please note you will need to login to register.

## CONNECTING TO THE CONFERENCE

The majority of the conference will be livestreamed using Zoom and also broadcasted to GCFI's YouTube Page. English / Spanish interpretation will be available for all day-time events. To join the Zoom livestream you MUST register for the conference. Interpretation will not be available via YouTube





# MONDAY 2ND NOVEMBER

## GCFI73 OPENING CEREMONY | 10:00 - 12:00 (EST)

Opening words from GCFI Executive Director and GCFI Chair

Introduction to GCFI73 Keynote Present: Rear Admiral Tim Gallaudet (NOAA)



### GCFI73 KEYNOTE: RDML TIM GALLAUDET

*NOAA's Strategy to Respond to and Prevent the Spread of Stony Coral Tissue Loss Disease: Applying Science, Technology and Partnerships to Save A National Treasure.*

Rear Admiral Tim Gallaudet, Ph.D., US Navy (ret) is the Assistant Secretary of Commerce for Oceans and Atmosphere and Deputy Administrator of the National Oceanic and Atmospheric Administration (NOAA). From 2017-2019 he served as the Acting Undersecretary of Commerce for Oceans and Atmosphere and NOAA Administrator. Before these assignments, he served for 32 years in the US Navy, completing his service in 2017 as the Oceanographer of the Navy.

In his current position, RDML Gallaudet leads NOAA's Blue Economy activities that advance marine transportation, sustainable seafood, ocean exploration and mapping, marine tourism and recreation, and coastal resilience. Gallaudet also directs NOAA's support to the Administration's Indo-Pacific Strategy, oversees NOAA's Arctic research, operations, and engagement, and is leading the execution of the NOAA science and technology strategies for Artificial Intelligence, Unmanned Systems, 'Omics, Cloud, Data and Citizen Science. Rear Admiral Gallaudet has a Bachelor's Degree from the U.S. Naval Academy and a Master's and Doctorate Degree from Scripps Institution of Oceanography, all in oceanography.

## GCFI MEMBERSHIP MEETING | 12:00 - 13:00 (EST)

Join the GCFI Membership Meeting to learn more about the work GCFI does. The minutes of past meetings along with financial statements will be reviewed and there will also be the election of new GCFI leadership positions and officers. Only members are allowed to participate in the voting process for new officers. To [Become a Member](#) please visit our website

## GCFI73 E-POSTER SESSION | 18:00 - 20:00 (EST)

GCFI is using a new and interactive approach to our e-posters. The GCFI73 e-poster showcase will be available to view from 28th October 2020 and remain accessible online even after the conference has ended. Each presenter will also have the ability to communicate directly, answer questions and connect with the audience via the built-in "chatbox" on the e-poster or via themed breakout rooms

**\*SEE LIST OF AUTHORS AT END OF DOCUMENT**





# TUESDAY 3RD NOVEMBER

## SPECIAL SESSION | 10:00 - 13:00 (EST)

### *Recreational fisheries management in the last 10 years Lessons learned, current efforts & challenges*



Participation in marine recreational fishing is growing around the world. A sustainable vision requires commitments from institutions to better integrate the recreational component into broader fisheries management, conservation efforts and local livelihoods. The objectives of this session are:

- To share recent lessons learned on recreational fisheries management,
- To understand current needs and challenges of stakeholders in the region to address priority challenges

### SCHEDULE

- 10:00 **Sepp Haukebo** *Overview - Opening remarks and introduction to the session & Intro to keynote speaker*
- 10:15 **Dr. Warren Potts** *Keynote presentation: Effective governance of recreational fisheries: recommendations from research and experience*
- 10:45 **Eduardo Boné** *Introduce presenters from Cuba*
- 10:50 **Araceli Hernández** *The recreational fisheries sector in Cuba in the light of the new fishing law*
- 11:00 **Tamara Figueredo y Fabián Pina** *Can recreational fisheries support protected areas and coastal livelihoods? A Cuban case study*
- 11:10 **Laura López** *Socioeconomic characterization of Cuban recreational fisheries*
- 11:20 **Sepp Haukebo** *Introduce presenters from Bahamas*
- 11:25 **Krista Sherman** *Improving Fisheries Management in the Bahamas*
- 11:35 **Prescott Smith** *Flats fishing and guiding livelihoods in the Bahamas*
- 11:45 **Vanessa Haley-Benjamin** *Bonfish Beyond Borders: A shared resource in the Caribbean*
- 11:55 **Eduardo Boné** *Introduce presenters from Mexico and US*
- 12:00 **Scott Hickman** *Organizing guides to improve fisheries conservation in the U.S. Gulf of Mexico*
- 12:10 **Leopoldo Palomo Cortés** *Recreational fishing in Ascension Bay with a Socio-Ecological Systems approach*
- 12:20 **Fernando Bretos** *Recreational Fishing in Cuba: A Sustainable, Conservation-based, Economic Opportunity*
- 12:30 **Sepp Haukebo** *Introduce presenters from Belize*
- 12:35 **Nic Requena** *Recreational Fishing in Belize*
- 12:50 **Eduardo Boné** *Closing words*



# WEDNESDAY 4TH NOVEMBER

## SPECIAL SESSION | 10:00 - 12:30 (EST)

***Needs and opportunities for greater regional collaboration for recreational fisheries management in the Gulf of Mexico and Caribbean.***



Speakers (mainly decision-makers and managers) from Belize, the Bahamas, Cuba, and the U.S.A. Gulf of Mexico will present case studies providing recent efforts and challenges to recreational fisheries reform. This will be followed by a group discussion on opportunities for the GCFI community to address the challenges and needs identified in the first portion of this panel.

10:00 **Sepp Haukebo** Overview - Introduction & recap from Day 1

10:10 **Panel - Challenges for fishing guides**

*Eduardo Boné (Moderator)*

- **Cuba** – Fabián Pina
- **Belize** – Nic Requena
- **US** – Scott Hickman
- **The Bahamas** – Prescott Smith

10:25-10:45 **Panel - Barriers to effective management**

*Sepp Haukebo (Moderator)*

- **Cuba** – Araceli Hernández
- **Belize** – Nic Requena
- **Mexico** – Leopoldo Palomo
- **The Bahamas** – Vanessa Haley-Benjamin
- **Global** – Warren Potts

10:45-11:00 **Panel – Role of science**

*Eduardo Boné (Moderator)*

- **Cuba** – Laura López
- **Belize** – Nic Requena
- **US** – Fernando Bretos
- **The Bahamas** – Krista Sherman

11:00-11:20 **Panel – Role of fishermen and practitioners**

*Sepp Haukebo (Moderator)*

- **Cuba** – Tamara Figueredo
- **Belize** – Nic Requena
- **Mexico** – Leopoldo Palomo
- **The Bahamas** – Vanessa Haley-Benjamin
- **Global** – Warren Potts

11:20 **Panel – Open discussion for panelists**

*Eduardo Boné (Moderator)*

11:35 **Questions from the audience**

*Sepp Haukebo (Moderator)*

12:20 **Eduardo Boné** EDF closing remarks



# WEDNESDAY 4TH NOVEMBER

## CINEFISH FILM FESTIVAL | 17:00 - 19:00 (EST)

Gather your family and friends and enjoy the CINEFISH Film Festival At Home!

**UNITING LAND, SEA AND AIR: GRENADINES SEABIRDS:** Seabirds are the only creatures worldwide to have conquered air, land and sea, yet they are disappearing rapidly worldwide. Until recently, very little was known about the seabird colonies on remote Grenadines islands, which we now know to host globally important populations that contribute significantly to the health of coral reefs and fisheries of the island chain. At these islands and at sea, fisherfolk observe seabirds and rely on them to find fish, understand weather patterns and to navigate. This film documents the secret lives of seabirds in this understudied region and touches on the unique relationship between fisherfolk and seabirds.

**BETWEEN THE WIND AND THE TIDE:** Florentino Cuero, a 73-year-old artisanal fisherman, and some of his colleagues who live along the Pacific coast of Colombia, tell us all about their fishing activity, on which they rely for food, income and employment. For them, artisanal fishing is not only their main economic activity but also a part of their cultural identity and their way to interact with nature. This is a “journey” through the lives of these fishers, their choices, their dreams and the challenges that they face to continue carrying on their fishing activity, risking even their own lives.

**BIG FISH:** For generations, the people of Bequia have depended on the waters that surround their tiny island for food. They are one of the last groups in the world allowed to hunt humpback whales for subsistence purposes. In the last 5 years the practice has become a highly controversial topic, as anti-whaling organizations and nations continue to call for the end of the age-old tradition of whaling. Big Fish is a mini-documentary that explores the topic of whaling for subsistence and culture preservation.

**OCEAN TO THE EVERGLADES:** The fates and futures of South Florida’s ocean and Everglades environments are deeply intertwined. Watch as Ocean Conservancy’s J.P. Brooker explores South Florida while discussing the region’s unique environmental challenges with local advocates and leaders.

**HINDSIGHT 2020: LESSONS WE CANNOT IGNORE FROM THE BP DISASTER:** Ten years after one of the worst environmental disasters in U.S. history, this short documentary examines the cause and impacts of the BP Deepwater Horizon disaster; how those impacts are still being felt today; and whether the disaster changed the government and industry’s approach to offshore drilling. Oceana reviewed government documents, media coverage, scientific studies, reports from nonprofit organizations and interviewed Gulf Coast residents, scientists, business owners and policy experts.

**ITAJARA:** This film is about Goliath Groupers, their biology, ecology and threats. It is a history about the huge importance they have for a balanced environment where they live. Throughout a documental perspective, our “spokesfish”, a BOFFF (big old fat fertile female) Goliath Grouper, presents the sea bottom to a documentarian diver. It advocates that protecting a threatened species is a form to protect huge coastal marine environments.

**PLASTIC WARRIORS:** This film documents Kristal "Ocean" Ambrose's journey to fight against plastic pollution in The Bahamas by building a community of young people concerned with the protection of the environment



# THURSDAY 5TH NOVEMBER

## THEMATIC KEYNOTE | DR. CESAR TORO | 10:00 - 12:30 (EST)

*The UN Decade of Ocean Science for Sustainable Development (2021-2030). A once-in-a-lifetime opportunity for all. The ocean we need for the future we want.*



Dr. Cesar Toro is the Head of the Subcommittee for the Caribbean and Adjacent Regions IOCARIBE of the Intergovernmental Oceanographic Commission (IOC of UNESCO), based in Cartagena Colombia. From IOCARIBE he has promoted the development of marine and ocean sciences and technology in the states of the region through the strengthening of institutional capacity, coordination of intergovernmental group and networks of scientists and experts. He coordinates IOC of UNESCO programmes in the Latin American and Caribbean region with those of the organizations of the United Nations system, working actively with national, regional and international agencies and entities.

Dr. Toro is a physical oceanographer, M.Sc. in oceanography and holds a Ph.D. from the University of Quebec, Canada in Physical Oceanography. Dr. Toro is a specialist in dynamical oceanography and climate change adaptation and mitigation, sustainable development and ocean governance and policy. He also has an extensive experience working for the oil and gas industry, the UN, and in project and programme design and implementation, especially in developing countries and SIDS.

## THEMATIC KEYNOTE | DR. YVETTE DIEI-OUADI | 11:00 - 12:00 (EST)

*Introducing the International Year of Artisanal Fisheries and Aquaculture (IYAFA 2022)*



Dr Yvette Diei-Ouadi holds a veterinary doctorate, from the Ecole Nationale Vétérinaire in Nantes, in France. She has over twenty-five years of experience in post-harvest fisheries. Dr Diei-Ouadi is the Fishery and Aquaculture Officer of the United Nations Food and Agriculture Organization (FAO) subregional office for the Caribbean, based in Barbados. She coordinates as well the Secretariat of the Western Central Atlantic Fishery Commission (WECAFC) since she joined the Caribbean office in July 2018, following 14 years of assignment in FAO Headquarters (Rome/Italy) as Fishery Industry Officer.

Under her coordination a background paper on the preparation of the International Year of Artisanal Fisheries and Aquaculture 2022 (IYAFA 2022) was prepared, which was tabled at the 17th Session of WECAFC, held 15-18 July, 2019 in Miami, USA. Besides, consistent with the call in her presentation during the Panel Discussion (COVID-19 & Small-Scale Fisheries in the Caribbean) organized by Too Big To Ignore and GCFI, she launched the initiative which led to the establishment in August 2020 of the Western Central Atlantic Committee for the IYAFA 2022.





# THURSDAY 5TH NOVEMBER

## FISHER FORUM | 12:00 - 13:00 (EST)

### *COVID19 and Fishers in the Caribbean and Gulf of Mexico: Impact, Perspectives & Outlooks*

Join our Virtual Fishers Forum at GCFI73 as we hear from our GCFI Gladding Memorial Award Winners as they share experiences of fishers impacted by the COVID-19 pandemic. Our GMA winners will share perspectives of how COVID-19 has impacted their communities and how their communities are working together to respond to these impacts. The GMA Committee will moderate this first all-fishers panel to share insights on how COVID-19 have impacted local fisheries, and panel members will also share some of the positive activities ongoing in their communities that have uplifted and helped to recover fishers. Panelists will also share examples of how they are collaborating with others to coordinate, plan and implement longer-term responses to the ongoing pandemic.



## MEET THE BOARD SOCIAL | 17:00 - 19:00 (EST)

The GCFI Board of Directors consist of a diverse group of individuals working in research / academia, government, management, civil society and many other roles within the Gulf and Caribbean region. Many are experts in their fields and possess alot of knowledge accrued over their professional careers! Join this social and have the opportunity to ask more about their experiences, get career or mentoring advice or simply catch up with some of familiar faces.



# FRIDAY 6TH NOVEMBER

## RECREATIONAL FISHERIES WORKSHOP | 10:00 - 13:00 (EST)

### *Next steps to advance sustainable recreational fisheries in the region*

EDF will facilitate a discussion around priority themes including effective management practices, data collection, incorporating recreational voices into the participatory process, monitoring efforts, enforcement and others. **The workshop will be by invitation only but the plenary will be open to all (from 11am onwards)**

### SCHEDULE

10:00 **Sepp Haukebo** Overview - Introduction and recap from Day 1 and 2.

10:10 **Break into groups by country**

Led by moderators:

- **Cuba** – Lalo Boné
- **Belize** – Nic Requena
- **US & Region** – Sepp Haukebo
- **Bahamas** - Vanessa Haley-Benjamin

11:00 Coffee break

11:10 **Return to plenary to present & discuss findings**

*Eduardo Boné (Moderator)*

11:50 **Conclusions and next steps**

*Sepp Haukebo (Moderator)*

12:30-13:30 Happy hour – optional



## GCFI 73 STORY SLAM: STORIES FROM THE FIELD AND CLOSING CEREMONY | 17:00 - 20:00 (EST)

GCFI has introduced a virtual story slam focused on compelling stories from the field. These stories will feature experiences from field-work, unexpected interactions with a person or animal, influential mentors, or any other similar memorable experiences.

**Brice Semmens** *"If my calculations are correct...": A compendium of fieldwork failure stories*

**Bob Glazer** *What conch surveys have taught me: conch are ferocious and conducting surveys can be profitable*

**Kervelle Baird** *South*

**Josselyn Bryan Arboleda** *The great moray eel and the lionfishes*

**Chris Corbin** *Necessity is the mother of innovation when monitoring pollution in the Caribbean*

**Megan Davis** *An Island Conch Farmer with Tent and Wooden Car*

**Alex Fogg** *Hangover IV - Fogg wanders Bogota*

**Lindy Knowles** *Stranded on a sea of sand*

**Michelle Schärer** *Perro Polizón (Stowaway dog)*

**Phil Karp** *Lemonade from Lemons - Localizing Production of Lionfish Jewelry*

**Kristal Ambrose** *Omens from the Ocean*





# E-POSTER SESSION: LIST OF AUTHORS

- **Aldana Aranda, Dalila** Scientific Cooperation in the Caribbean: Queen conch a good indicator of Climatic Change and of stories from the field
- **Alves, Catherine** Marine resource management and fisheries governance in Belize: Historical analysis and ways forward
- **Arguedas, Triana** Spatiotemporal Catch Trends and Fishery Indicators of the bull shark, *Carcharhinus leucas*, in the Mexican Atlantic
- **Bello Escobar, Shirly** Genetic variability evaluation of the *Chelonia mydas*, from mitochondrial DNA, Nororiental sector, Colombian Caribbean
- **Berkebile, Nathan** Multi-species Coral Rescue in Response to the Stony Coral Tissue Loss Disease on the Florida Reef Tract
- **Blakeway, Raven** Oldest Indo-Pacific lionfish (*Pterois volitans/P. miles*) on Record Collected From the Northwestern Gulf of Mexico
- **Blakeway, Raven** Comparison of age, size and growth structure of lionfish in the Southern Caribbean and Northwestern Gulf of Mexico
- **Bowman, Tremaine** The Ecology of Mojarra (Family: Gerreidae) inhabiting a brackish water estuary in Jamaica, W.I.
- **Buck, Eric** Biscayne Bay - Miami's gem is losing its shine. How can stakeholders save it?
- **Burgess, Kate** Coral Beef: Barriers and Opportunities to a Culinary Lionfish Market in Florida
- **Castro, Telimay** Governability of the Marine Small-Scale Fisheries of Venezuela in the Context of the Western Central Atlantic Fishery Commission
- **Castro, Alicia** Comparative spatiotemporal analysis of accumulated pelagic Sargassum landings using community science data
- **Clare, Xochitl** Snails on the menu?: Characterizing the resilience of an emerging California shellfish species to marine heatwaves
- **Clements, Kaylin** Barriers and motivations for divers to harvest lionfish in Florida: It's not all about the money
- **Cox, Shelly-Ann** Policy actions needed to support adaptation to climate change in Caribbean fisheries
- **De Leon Martinez, Gloria** Biometric parameters and population aspects of *Callinectes bocourti* of the Cienaga Grande de Santa Marta, Colombian Caribbean
- **Desrochers, Anne** What can we do with one metric ton of sargassum?
- **Doyle, Emma** Status of Stony Coral Tissue Loss Disease in the Caribbean Region
- **Duscent, Candiece** An assessment of the biology and ecology of *Sicydium* spp. (Family Gobiidae) from Yallahs and Swift Rivers, Jamaica.
- **Ellis, Robert** Movement Patterns of Juvenile Goliath Grouper (*Epinephelus itajara*) in two South Florida Estuaries
- **Farrell, Emily** Environmental DNA Analysis of Forage Fish Diversity and Distribution in the Indian River Lagoon
- **Fielding, Russell** Cetacean-based food products: polluted and popular
- **Fogg, Alexander** Site fidelity and monthly growth rates of invasive Lionfish calculated from in-situ observations in Choctawhatchee Bay Estuary, Florida.



# E-POSTER SESSION: LIST OF AUTHORS

- **Giskes, Ingrid** Addressing lost and abandoned fishing gear at global scale: An introduction to the Global Ghost Gear Initiative
- **Harris, Holden** Testing Modified Self-Release Hooks for Use in Recreational Fishing
- **Higgs, Nicholas** The importance of subsistence fisheries during the COVID-19 pandemic: a case study from queen conch in The Bahamas
- **Hunt, Christina** Invasive lionfish drive fish community shifts across the western Atlantic
- **Jadot, Catherine** How can small islands harness the blue economy to build climate resilience and protect biodiversity?
- **Jara, Andrea** Vulnerability analysis of local fishing resources from fishers' traditional knowledge
- **Karp, Phillip** Regional Synthesis of Invasive Lionfish Citizen Science Programs in the Tropical Western Atlantic
- **Keller, Jessica** Comparing Fish Survivorship between in Situ and Boat Tagging Methods Using Internal Acoustic Tags
- **Kempers, Marcel** How space can save our reefs
- **Knowles, Lindy** The current status of the marine environment of the Moriah Harbour Cay National Park: Results of the 2019 rapid ecological assessment
- **Kuramae Izioka, Ayumi** Preliminary study on nurse shark (*Ginglymostoma cirratum*) bycatch reduction in the lobster fishery on the Saba Bank
- **Lizama, Erik** Evaluation of the settlement of sea cucumber larvae and young in artificial collectors in San Crisanto, Yucatan
- **Lozano Beltran, German** Modeling of biometric relationship of *Callinectes sapidus* of the NorthEastern sector of the Cienaga Grande de Santa Marta, Colombian Caribbean
- **Lue Shue, Sterling** The classification of nearshore habitats and organisms around Chacachacare Bay, Trinidad and Tobago using a drop camera video system.
- **Miller, Toni-Ann** The fish ecology of thermal springs in Jamaica
- **Narvaez, Juan Carlos** ddRADseq reveals a genetic break in the South Caribbean: the case of West Indian "whék" *Cittarium pica* (Gastropoda: Trochidae)
- **Nembhard, Nadine** CNFO Regional Code of Conduct for Caribbean Fisheries
- **Nunez, Alicia** Stony Coral Tissue Loss Disease in Belize, a multi-pronged approach to its control and management
- **Nunez-Vallecillo, Mayra** Determination of the population structure and connectivity of the commercially important fish "Lane snapper" (*Lutjanus synagris*) and "White grunt" (*Haemulon plumieri*) as a tool for fisheries management in the Honduran Caribbean
- **Phillips, Myles** The Caribbean has a data MERMAID!
- **Pitt, Joanna** Balancing the recreational spiny lobster diver fishery with the small scale commercial lobster trap fishery in Bermuda
- **Pitt, Joanna** Engaging recreational fishers in Marine Spatial Planning (MSP) in Bermuda
- **Prato, Julian** Natural shields for Caribbean insular territories: Wave and wind attenuation by coral reef barriers and mangroves at San Andres Island, Colombia
- **Puentes Sayo, Alejandra** Mitochondrial analysis reveals *Octopus insularis* as the common shallow-water octopus of the Colombian Caribbean



# E-POSTER SESSION: LIST OF AUTHORS

- **Quijano Quinones, Daniel** Spatial dynamics modelling of small-scale fishing fleets with a Random walk approach
- **Rincon-Diaz, Martha Patricia** Functional diversity: a need for assessing the ecological response of reef fish assemblages to a disturbance in protection strategies
- **Rivera, Antonella** Community-based natural resource management in Roatan
- **Ruiter, Pamela** SSF Hub: A new platform for SSF collaboration and knowledge-sharing
- **Sabido-Itzai, Miguel Mateo** Community participation a strategy for the monitoring and control of lionfish in the Mexican Caribbean
- **Santos Martinez, Adriana** Fish structure in three reef areas with different management actions, Colombian Caribbean Seaflower Biosphere Reserve
- **Scharer-Umpierre, Michelle** MPA effects revealed by the first assessment of Puerto Rico's coral reef elasmobranchs
- **Sherman, Krista** Contemporary and emerging fisheries in The Bahamas: Conservation and management challenges, achievements and future directions
- **Sosa Avila, Misael** Indicators of sustainability of artisanal fishing in the southern Gulf of Mexico
- **Torres Rodriguez, Javier** Founder effect in an invasive marine fish: the case of the lionfish *Pterois volitans* in the southwestern caribbean
- **Tucker, Taylor** Expansion of the invasive lionfish (*Pterois miles* and *P. volitans*) along the northern reef tract of Bermuda from 2014 - 2019
- **Warrender, Tammi** Monitoring Stony Coral Tissue Loss Disease (SCTLD) in the Cayman Islands
- **Zuniga Lopez, Zara Lizzeth** Microplastic studies in the Bay Islands, Honduras

