

Annex 2: Project Contacts List

Organization	Contact Person	Email
CNFO	Vernel Nicholls (President)	vernel.nicholls@gmail.com
Conservation International	Pablo Obregon (Fisheries Manager, Centre for Oceans)	pobregon@conservation.org
Conservation International	Pablo Obregon – Coordinator/Manager of the Conservation International OPP grant. They financed and technically supported various studies, including the business case developments	pobregon@conservation.org
Consultant	David Kerstetter Consultant for circle hook trials in Grenada	kerstett@nova.edu
Consultant	Nelson Ehrhardt Billfish specialist that conducted the FAD Management Plan review and report on FAD affects. He is also currently doing another study for the project to improve accuracy of ICCAT white marlin stock assessments by improving growth parameter accuracy, and is a regular CBMC member	nehrhardt@hotmail.com
Consultant	Freddy Arocha Billfish specialist who was involved in the FPI studies, was a CBMC member and also coordinated with the project on a parallel ICCAT data improvement consultancy	farochap@gmail.com
Consultant	Gianluigi Negroni Consultant that conducted the billfish mercury content and linked stakeholder consumption assessments	gigineg@gmail.com
Consultant	Warwick Sauer Primary contact for the review of recreational fisheries governance	w.sauer@ru.ac.za
Consultant	Luis Acosta Grenadian that collected data during the longline circle hook trials, and has continued to help the project	luis.05.acosta@gmail.com
Consultant	Lisette Rodriguez Consultant that helped with stakeholder engagements and various other matters in Dominican Republic	lismarg@gmail.com
CRFM	Milton Haughton (Executive Director - CRFM Secretariat)	milton.haughton@crfm.int
Dominican Republic	Raul Gonzalez (Project Focal Point)	rsgpantaleon@gmail.com
Dominican Republic Focal Point	Raul Gonzalez Project focal point assigned by the fisheries authority, CODOPESCA, in Dominican Republic.	rsgpantaleon@gmail.com
FAO	Manuela Cuvi FAO legal specialist that informed and assisted legislation update efforts in pilot nations	Manuela.Cuvi@fao.org
FAO	Roy Bealey Billfish Project Coordinator -	roy.bealey@fao.org

FAO Secretary of WECAFC	Raymon van Anrooy Fishery and Aquaculture Officer	Raymon.vanAnrooy@fao.org
Gentner Consulting Group	Brad Gentner (Consultant)	brad@gentnergrou.com
Gentner Consulting Group	Keith Flett Consultant that also assisted various activities within the project, is currently developing the Grenada business case implementation workplan while providing support towards ongoing implementation there	kbflett@gmail.com
Grenada	Crafton Isaac (Chief Fisheries Officer & Project Focal Point)	crafton.isaac@gmail.com
Grenada Fisheries	Crafton Isaac Chief Fisheries Officer in Grenada, and the project focal point.	crafton.isaac@gmail.com
Grenada Fisheries	Merina Jessamy Permanent Secretary of the relevant ministry in Grenada. Could hear her perception of the achievements and status towards business case implementation post project completion.	mejessamy@gmail.com
International Game Fish Association	Jason Schratwieser (Conservation Director) Secretariat of the Consortium on Billfish Management and Conservation (CBMC)	jschratwieser@igfa.org
OSPESCA	Manoel Cifuentes Billfish specialist from Guatemala that was a regular CBMC meeting representative for OSPESCA and the Sailfish Commission	manoeljose@gmail.com
Universidad Nacional Pedro Henríquez Ureña - DR	Juan Enrique Rosales Principal contact for the Dominican Republic LoA with the Universidad Nacional Pedro Henríquez Ureña (UNPHU)	jrosales@unphu.edu.do
Wilderness Markets	Neel Inamdar Consultants from Wilderness Markets who developed the business cases, and are now conducting market assessments and other actions to support the Grenada case	Neel@wildernessmarkets.com
Wilderness Markets	Jada Anderson Consultants from Wilderness Markets who developed the business cases, and are now conducting market assessments and other actions to support the Grenada case	Jada@wildernessmarkets.com
World Bank	Milen Dyoulgerov Vollen, OPP/ABNJ TTL	< mdyoulgerov@worldbank.org >
World Bank	Charlotte De Fontaubert The technical lead from World Bank	cdefontaubert@worldbank.org

Annex 3: Illustrative project supported reports and publications

Publication	Link
CIRCULARS	
Caribbean Fisheries Legal and Institutional Study: Findings of the Comparative Assessment and Country Reports FAO Fisheries and Aquaculture Circular No. 1124. Bridgetown, Barbados. Author: Cristina Leria	http://www.fao.org/3/a-i6175e.pdf
The Value of Billfish Resources to Both Commercial and Recreational Sectors in the Caribbean Fisheries and Aquaculture Circular No. 1125. Bridgetown, Barbados. Author: Brad Gentner.	http://www.fao.org/3/a-i6178e.pdf
The Use and Design of Rights and Tenure Based Management Systems for Transboundary Stocks in the Caribbean FAO Fisheries and Aquaculture Circular No. 1126. Bridgetown, Barbados. Author: Brad Gentner.	http://www.fao.org/3/a-i6071e.pdf
Status of Billfish Resources and Billfish Fisheries in the Western Central Atlantic FAO Fisheries and Aquaculture Circular No. 1127. Bridgetown, Barbados. Authors: Nelson Ehrhardt and Mark Fitchett.	http://www.fao.org/3/a-i6204e.pdf
A Recreational Fisheries Economic Impact Assessment Manual and its Application in Two Study Cases in the Caribbean: Martinique and the Bahamas FAO Fisheries and Aquaculture Circular No. 1128. Bridgetown, Barbados. Authors: Rob Southwick, Brad Gentner, D'shan Maycock and Myriam Bouaziz.	http://www.fao.org/3/a-i6148e.pdf
Fishery Performance Indicator (FPI) studies in Grenada and Dominican Republic. FAO Fisheries and Aquaculture Circular No. 1168. Authors: Brad Gentner, Freddy Arocha, Chris Anderson, Pablo Obregon, and Raymon van Anrooy.	http://www.fao.org/3/I8833EN/i8833en.pdf
Expenditure and willingness-to-pay survey of Caribbean billfish anglers: summary report. FAO Fisheries and Aquaculture Circular No. 1168. Authors: Brad Gentner and John Whitehead.	http://www.fao.org/3/I9667EN/i9667en.pdf
Investing in WECAFC: Considerations for the Development of RFMO Investments. FAO Fisheries and Aquaculture Circular No. 12--. Authors: Neel Imandar, Roy Bealey, Raymon van Anrooy, Pablo Obregon	Final draft available. Formatted and edited version will be published by January 2019
The use of cash flow models for fishery investment project development: case studies from Grenada and the Dominican Republic. FAO Fisheries and Aquaculture Circular No. 12--. Authors: Brad Gentner, Roy Bealey, Keith Flett, Pablo Obregon and Raymon Van Anrooy	Draft available. Formatted and edited version will be published by January 2019
Review of FADs fisheries development in the WECAFC region and the impact on stock assessments FAO Fisheries and Aquaculture Circular No. 12--. Authors: Nelson Ehrhardt, Julie E. Brown, Roy Bealey and Bruce G. Pohlot	Preliminary version online at: http://www.fao.org/fishery/nems/40991/en Final version will be published in January 2019
Review of longline fishery gear and methodology options to improve tuna target species capture efficiencies while reducing effects upon other/bycatch species in the WECAFC area.	Draft available. Formatted and edited version will be published in 2019
MEETING REPORTS	
Report of the 2nd Regional Workshop on Caribbean Billfish Management and Conservation of the WECAFC/ OSPESCA/ CRFM/ CFMC Working Group on Recreational Fisheries. Panama City, Panama. 9–11 November 2015. FAO Fisheries and Aquaculture Report No. 1137	www.fao.org/3/a-i5436b.pdf
Report of the sixteenth session of the Western Central Atlantic Fishery Commission. Gosier, Guadeloupe, 20–24 June 2016. FAO Fisheries and Aquaculture Report No 1162.	http://www.fao.org/3/a-i6031t.pdf
Report of the First Meeting of the Regional Working Group on Illegal, Unreported and unregulated (IUU) Fishing FAO Fisheries and Aquaculture Report No 1190.	http://www.fao.org/3/I8292B/i8292b.pdf

Report of the Third Regional Workshop on Caribbean Billfish Management and Conservation of the WECAFC/ OSPESCA /CRFM/ CFMC Working Group on Recreational Fisheries FAO Fisheries and Aquaculture Report No 1191.	http://www.fao.org/3/a-bs244b.pdf
Report of the First meeting of the WECAFC/OSPESCA/ CRFM/CITES/CFMC working group on shark conservation and management. FAO Fisheries and Aquaculture Report No 1192.	http://www.fao.org/3/I8718EN/i8718en.pdf
Report of the Second Meeting of the Regional Working Group on Illegal, Unreported and unregulated (IUU) Fishing FAO Fisheries and Aquaculture Report No 1193.	http://www.fao.org/3/I8440B/i8440b.pdf
Report of the FIRMS-WECAFC Regional Workshop on Recreational Fisheries Statistics in the Caribbean FAO Fisheries and Aquaculture Report No 1194.	http://www.fao.org/3/i8241en/I8241EN.pdf
Report of the Eighth session of the Scientific Advisory Group. FAO Fisheries and Aquaculture Report No 1195.	http://www.fao.org/3/I8745T/i8745t.pdf
Report on the first meeting of the WECAFC Regional Fisheries Data and Statistics Working Group	http://www.fao.org/fi/static-media/MeetingDocuments/WECAFC/FDSWG/2018/default.htm
TECHNICAL PAPERS	
Caribbean Billfish Management and Conservation Plan. FAO Fisheries and Aquaculture Technical Paper No.--- Authors: Manuel Perez, Roy Bealey, Raymon van Anrooy and Sjef van Eijs	Preliminary version online at: http://www.fao.org/fishery/nems/40991/en Final version will be published in January 2019
Methodologies for the techno-economic performance assessment of fishing ports and fish landing sites. FAO Fisheries and Aquaculture Technical Paper No.--- Authors: Raymon van Anrooy, Chris Williams, Andrew Johnson, Helga Josupeit and Jo Sciortino	Draft under development under contract with CI Publication foreseen by March 2019 (with funds from FAO Regular Programme)
Report of the 2018 ICCAT Blue Marlin Stock Assessment Meeting, Miami, USA, 18-22 June 2018.	https://www.iccat.int/Documents/Meetings/Docs/2018/REPORTS/2018_BUM_SA_ENG.pdf
Report on official outcomes of the 68 th GCFI annual meeting	http://fseagrant.ifas.ufl.edu/GCFI/polopoly_fs/1.3267845.1473341663!/fileserver/file/682791/filename/OfficialOutcomes.pdf
BROCHURES	
Combating IUU fishing in the Caribbean through policy and legislation. Issue Brief No.15	http://www.fao.org/3/a-i5291e.pdf
The Marking and Identification of Fishing Vessels	http://www.fao.org/3/a-i7783e.pdf
El marcado y la identificación de los barcos pesqueros	http://www.fao.org/3/I7783ES/i7783es.pdf
The Marking and Identification of Fishing Vessels (Poster)	http://www.fao.org/3/I9156EN/i9156en.pdf
Caribbean Billfish Project: Working with stakeholders to develop business cases for the sustainable management and conservation of billfishes throughout the Caribbean	https://www.igfa.org/images/uploads/files/CBP_2018.pdf
Investing in Grenada's Yellowfin tuna exports	Draft available. Publication on-line in November 2018
Investing in Sustainable Fisheries in the Dominican Republic	Draft available. Publication on-line in November 2018
Development of an RFMO sustainable fisheries fund	Draft available. Publication on-line in November 2018
ONLINE NEWS ITEMS AND OTHER OUTREACH	
Project launch promotion on IISD webpage	http://sdg.iisd.org/news/lac-region-discusses-blue-solutions-and-launches-project-on-billfish-conservation/
Common Oceans promotion of project inception workshop	http://www.commonoceans.org/fileadmin/user_upload/common_oceans/docs/BillfishBrochure.pdf
Caribbean Billfish Project information poster	http://www.fao.org/fileadmin/user_upload/common_oceans/docs/OPP/PosterCBP.pdf
The Caribbean Billfish Project in Grenada – with circle hook trials and the launch of the Grenada Game Fishing Association on the agenda	http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1053496/
Caribbean Billfish Project session during the World Recreational Fishing Conference in Canada	http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1029892/

Billfish Consortium advises on fisheries management and conservation in the Caribbean	http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1109673/
Assessing value propositions to reduce billfish mortality in the Western Central Atlantic	http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1151622/
IGFA promotion and online distribution of project publications (November 2016)	https://igfa.org/Conserve/New%20publications%20of%20the%20Caribbean%20Billfish%20Project
IGFA induced distribution of Willingness to Pay survey through Marlin Magazine	https://www.marlinmag.com/caribbean-billfish-project-conservation-plan
Marlin Magazine article on Willingness to Pay survey results	https://www.marlinmag.com/caribbean-billfish-project-survey-results
Project promotion through Cap Cana Marina (Dominican Republic) website	http://capcana.com/news/caribbean-billfish-project-sets-attainable-future-management-goals/
Sail World website advertisement of project brochure	https://www.sail-world.com/photo/210681
Caribbean Billfish Project feature on CLME+ Hub website	https://clmeplus.org/other-projects-initiatives/
Economic Impact Analysis of Commercial and Recreational Billfish Fisheries in the Western Central Atlantic: Grenada and the Dominican Republic	http://www.fao.org/fileadmin/user_upload/common_oceans/docs/Economic%20Impact%20Analysis%20-%20Grenada%20and%20DR%20-%20Final%20Report.pdf
IGFA Twitter page project promotions	https://twitter.com/theigfa/status/974058368741576704
Recreational Fisheries Data Workshop press releases (Bahamas)	https://www.bahamas.gov.bs/wps/wcm/connect/mof_content/internet/agrimar/government/agency+news+and+press+release/opening+remarks+-+regional+workshop+on+recreational+fisheries+data+and+statistics+in+the+caribbean AND http://www.loopjamaica.com/content/experts-discuss-fisheries-data-and-statistics-bahamas-conference AND http://www.thebahamasweekly.com/publish/bis-news-updates/Government_Hosts_Recreational_Fisheries_Workshop_printer.shtml
Project promotion through GEF-IWLEARN webpage	https://iwlearn.net/documents/10957
Grenada press release about projects efforts to update fisheries legislation	https://thenewtoday.gd/local-news/2018/06/25/fao-assists-with-reviewing-1986-fisheries-legislation/#gsc.tab=0
Grenada press release about Grenada Game Fish Association launch with project coordinator support	https://www.thebarnaclenews.com/spice-island-billfish-tournament-announces-2018-dates-launch-grenada-game-fishing-association/
Outdoor wire promotion of CBMC	https://www.theoutdoorwire.com/story/394ea6ad-0fcd-4b66-bcbb-7833b3d0ea38
Project supported Living Barbados Magazine article “Illusion of Plenty”	http://livingbarbados.com/fisheries-and-food-security/
BILLFISH MERCURY ASSESSMENT OUTREACH	
Alveo website promotion of projects mercury assessments	https://www.alveo.coop/wp/billfish-project/
Billfish mercury content sampling protocol guide (English)	https://www.alveo.coop/wp-content/uploads/2018/05/Sampling-presentation-7.pdf
Billfish mercury content sampling protocol guide (Spanish)	https://www.alveo.coop/wp-content/uploads/2018/05/Billfish-Guia-protocol-para-muestros.pdf
Billfish consumption interview guide (English)	https://www.alveo.coop/wp-content/uploads/2018/05/Interview-training-7-Cro.pdf

Billfish consumption interview guide (Spanish)	https://www.alveo.coop/wp-content/uploads/2018/05/Billfish-Guia-protocol-para-entrevista.pdf
CBMC OUTREACH	
IGFA emailed the WTP survey to 23,440 sport fishery stakeholders within their mailing list, provided rewards for linked competition (Yeti Ramblers) and then further promoted results of that study through above links	See IGFA LoA report for further details
IGFA also developed four newsletters that were each distributed to their full mailing list of 45,539 recreational fishery stakeholders. Each newsletter highlighted recent activities of the CBMC	See IGFA LoA report for further details
IGFA also distributed multiple updates on project activities and studies through their social media platforms. The target audience for these updates were their +150 000 Facebook and +35 000 Instagram followers	See IGFA LoA report for further details WTP study reminder example at - https://www.facebook.com/TheIGFA/posts/10155878951273112?_tn=C-R
Fishery Performance Indicator study summary review	https://igfa.org/Conserve/Fishery%20Performance%20Indicator%20Studies%20in%20Grenada%20and%20Dominican%20Republic
IGFA website promotion of 5 th CBMC meeting	https://www.igfa.org/Conserve/IGFA%20Hosts%20International%20Billfish%20Consortium%20Meeting
Projects second year summary	https://igfa.org/Conserve/Caribbean%20Billfish%20Project%20Year%20Two
Grenada inception workshop summary	https://igfa.org/Conserve/Grenada%20hosts%20Caribbean%20Billfish%20Project%20Workshop
WRFC side event summary	https://igfa.org/Conserve/IGFA%20at%20World%20Recreational%20Fishing%20Conference
Marlin Magazine article – February 2017	https://www.marlinmag.com/is-it-acceptable-to-kill-billfish
Marlin Magazine article – March 2017	https://www.marlinmag.com/fisheries-management-subsidies-negative-impact#page-2
Marlin Magazine article – June 2017	https://www.marlinmag.com/billfish-management-and-fads-impact
Marlin Magazine article – August 2017	https://www.marlinmag.com/white-marlin-regional-management-success?src=SOC&dom=fb
Marlin Magazine promotion of WTP survey – October 2017	https://www.marlinmag.com/caribbean-billfish-project-conservation-plan
Marlin Magazine distribution of WTP study results	https://www.marlinmag.com/caribbean-billfish-project-survey-results
Mercury study promotion on IGFA website	https://www.igfa.org/Conserve/Mercury%20Concentration%20in%20Billfish
Longline circle hook pilot promotion on IGFA website	https://www.igfa.org/Conserve/Hook%20Comparison%20Project?bblinkid=82986700&bbemailid=7160840&bbemailid=546918629
Update on CBP relevant meetings carried out through 2017	https://igfa.org/Conserve/Reports%20from%202017%20Caribbean%20Fisheries%20Meetings
OTHER SUPPORTING DOCUMENTS AND STRUCTURES RESULTING FROM PROJECT	
Endorsed WECAFC Recommendation on Billfish Management and Conservation	
Endorsed WECAFC Recommendation on Recreational Fisheries Management	
Updated WECAFC Recommendation on FAD Fisheries Management	
Drafted WECAFC Recommendation on Gear and fishing method best practices to maximize financial efficiency while minimizing the ecosystem effects of Caribbean longline fleets (will seek endorsement during WECAFC 2019 SAG)	
Regional database and linked logbook data minimum criteria and data use policies – With aligned logbook templates provided to	

Grenada to assist with ICCAT reporting	
Grenada signatory to ICCAT, and ongoing consideration of signatory to UNFSA	
SmartForms template for recreational fishery data collection. In testing phase and expected to continue implementation post project	
Technical revision suggestions for CRFM Sub-Regional FAD Management Plan	
Minimum requirements for vessel registration and data collection/sharing to address IUU concerns in WECAFC area	

Annex 4: Summary of project supported meetings and training sessions

24 September 2015	<p>1st Meeting of the Consortium on Billfish Management and Conservation</p> <p>Minutes available – No –only the draft CBMC Letter of Intent</p> <p>Location – virtual</p> <p>Participants – 8</p> <p>Main Outputs – potential partners updated on the Caribbean Billfish Project, a preliminary agreement on the contents of a letter of intent to establish a Caribbean Billfish Management Consortium (CBMC), draft workplan of the CBMC and preparations for the next meeting of the CBMC where it would be formally established.</p>
9-11 November 2015	<p>Second Regional Workshop on Caribbean Billfish Management and Conservation of the WECAFC/ OSPESCA /CRFM/ CFMC Working Group on Recreational Fisheries</p> <p>Report available at - http://www.fao.org/3/a-i5436b.pdf</p> <p>Location – Panama City</p> <p>Participants – 53 from 19 countries</p> <p>Main outputs – Preliminary findings of 6 field studies were presented and discussed. The first outline and table of contents for the Caribbean Billfish Management and Conservation Plan were presented to stakeholders and endorsed. Two pilot countries were also selected to test and validate co-management arrangements and right based approaches, and participants revised the Terms of Reference of the Working Group on Recreational Fisheries and elected its Convener.</p>
11 November 2015	<p>First Project Steering Committee (PSC) meeting and 2nd Meeting of the Consortium on Billfish Management and Conservation</p> <p>Minutes available – Dropbox</p> <p>Location – Panama City</p> <p>Participants – 15</p> <p>Main Outputs – The 2016 project workplan was technically reviewed and then endorsed, the 2 pilot countries were agreed upon, and the Consortium on Billfish Management and Conservation (CBMC) was established.</p>
20-24 June 2016	<p>Fisheries Governance Capacity Building session at the 16th session of the Western Central Atlantic Fishery Commission</p> <p>Report available at - http://www.fao.org/3/a-i6031t.pdf</p> <p>Location – Guadeloupe, France</p> <p>Participants – 73 from 19 countries</p> <p>Gender balance – 22 women : 51 men</p> <p>Main outputs – Capacity built on ABNJ processes, CITES, ICCAT, functioning of RFBs and RFMOs, followed by a decision taken at WECAFC 16 on establishment of an RFMO in the WECAFC area</p>
18 January 2017	<p>Second Project Steering Committee (PSC) meeting</p> <p>Minutes available – Dropbox</p> <p>Location – Barbados</p> <p>Participants – 9</p> <p>Main Outputs – The 2017 project workplan was technically reviewed and then endorsed, further collaboration with CI was encouraged and the Caribbean Billfish Management and Conservation Plan was supported for adoption through the Interim Coordination mechanism</p>
1-2 March 2017	<p>1st Meeting of the Regional Working Group on Illegal, Unreported and unregulated (IUU) Fishing</p> <p>Report available at - http://www.fao.org/3/I8292B/i8292b.pdf</p> <p>Location – Barbados</p> <p>Participants – 52</p> <p>Gender balance – 14 women : 38 men</p> <p>Main Outputs - increased awareness and understanding of the IUU fishing problem in the Caribbean region; and 2) increased capacity for a more effective collaboration in preventing, deterring and eliminating IUU fishing in the Caribbean region, with emphasis on experiences from other regions with vessel monitoring systems (VMS) and monitoring, control and surveillance (MCS) supporting measures, as well as on international and regional instruments to combat IUU fishing, such as the 2009 FAO Port State Measures Agreement.</p>
4-6 April 2017	<p>Third Regional Workshop on Caribbean Billfish Management and Conservation of the WECAFC/ OSPESCA /CRFM/ CFMC Working Group on Recreational Fisheries</p> <p>Report available at - http://www.fao.org/3/a-bs244b.pdf</p>

	<p>Summary available at - http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/881763/ Location - Barbados Participants – 35 from 13 countries Gender balance – 13 women : 22 men Main outputs - Presented and discussed project outputs, achieved regional technical endorsement of the Caribbean Billfish Management and Conservation Plan. The SubRegional FAD Management Plan was also reviewed. Capacity building was facilitated to improve recognition of, as well as ability to track and address billfish sustainability concerns in the WECAFC region.</p>
7 April 2017	<p>Third meeting of the Consortium on Billfish Management and Conservation (CBMC) Minutes available – Dropbox Location – Barbados Participants – 24 Gender balance – 5 women : 19 men Main outputs - Update presentation by CBMC Secretariat 9:30 CI/FAO billfish tagging proposal considerations 10:00 Implementation of the Caribbean Billfish Management and Conservation Plan 10:30 Business case support and general OPP requirements</p>
31 May – 1 June 2017	<p>Project Inception & First Stakeholder Workshop of the Caribbean Billfish Project (CBP) Report available at – Dropbox Location – Grenada Participants – 19 Gender balance – 6 women : 13 men Main outputs – Pilot project formally initiated, participants informed about billfish sustainability concerns and project plan. Project plan endorsed and primary discussions with stakeholders formulated endorsement of the same</p>
20-22 June 2017	<p>FIRMS-WECAFC Regional Workshop on Recreational Fisheries Statistics in the Caribbean Report available at - http://www.fao.org/3/i8241en/I8241EN.pdf & summary available at http://www.loopjamaica.com/content/experts-discuss-fisheries-data-and-statistics-bahamas-conference Location – Bahamas Participants – 38 from 13 countries Gender balance – 15 women : 23 men Main outputs - Improved regional recreational fishery data collection and analysis capacities in order to inform the ongoing improvements to the management of billfish and other stocks at national and regional levels. This meeting also emphasized the opportunities at hand for citizen science, holistic fisheries data capture and management, and described effective data collection and analysis methodologies from other regions. Participants also prioritized the regional data collection needs from both recreational and artisanal fleets, and agreed on technicalities of SmartForms, a pilot smartphone data capture application which is being trialled during the Caribbean Billfish Project.</p>
16-20 July 2017	<p>Caribbean Billfish Project session during the World Recreational Fishing Conference Summary available at - http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1029892/ & https://igfa.org/Conserve/IGFA%20at%20World%20Recreational%20Fishing%20Conference Location - Canada Participants – 400 attendees from 21 countries Main outputs – Project results to date and the planned strategy to improve billfish fishery sustainability were presented to the diversity of international stakeholders in attendance. Technical reviews of output, strategies were achieved and discussions were had about the most effective practical applications of plans.</p>
25-27 September 2017	<p>Longline circle hook trial inception workshop Summary available at - http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1053496/ Location – Grenada Participants – 14 Main outputs – Discussions with longline fishers developed their knowledge of the potential benefits available from using circle hooks. These discussions also facilitated the selection of the two vessels to be used within the projects circle hook trials. Two potential Grenadian nationals that could collect and report data during the trials were also identified at this meeting. The final agreements were</p>

	<p>achieved to proceed with these important practical fishing trials thereafter. Results from these trials have been used to inform business case developments and generate buy in among stakeholders.</p>
19-21 September 2017	<p>2nd Meeting of the Regional Working Group on Illegal, Unreported and unregulated (IUU) Fishing Report available at - http://www.fao.org/3/I8440B/i8440b.pdf Location – Barbados Participants – 35 Gender balance – 9 women : 26 men Main Outputs – Capacity was built among MCS officers on the International Plan of Action to prevent, deter and eliminate IUU fishing (IPOA-IUU), the Global Record of Fishing Vessels, Refrigerated Transport Vessels and Supply Vessels, and specific measures needed in the Caribbean region to effectively reduce IUU fishing. The technical meeting discussed and agreed on various essential fisheries management measures, such as on fishing vessel marking and identification, the establishment of a regional fishing vessel record and regional IUU vessel lists.</p>
28 September 2017	<p>Launch of the Grenada Game Fishing Association Summary available at - http://www.fao.org/in-action/commonoceans/news/detail-events/en/c/1053496/ Location – Grenada Participants – 37 Gender Balance – 16 women : 21 men Main outputs – The GGFA was officially launched with support expressed from the CBP. Meetings were had with the Grenada Tourism Authority to further formalize their recognition of recreational fishery tourism value to Grenada. Plans to improve data collection from recreational fisheries in Grenada, and through contacts of the GGFA were also made</p>
17-19 October 2017	<p>First meeting of the WECAFC/OSPESCA/CRFM/CITES/CFMC working group on shark conservation and management Report available at - http://www.fao.org/3/I8718EN/i8718en.pdf Location – Barbados Participants – 30 Gender balance – 13 women : 17 men Main Outputs – Capacity was built on the regional shark stocks and fisheries status following a regional assessment and a Regional Plan of Action for the conservation and management of sharks and rays in the WECAFC area. The experts recommended the prohibition of targeted fisheries for iconic species such as whale sharks, sawfishes and manta rays. Incidental catches of these species should be promptly released unharmed and alive, to the extent possible.</p>
3-4 November 2017	<p>Eighth session of the Scientific Advisory Group, Report available at - http://www.fao.org/3/I8745T/i8745t.pdf Further background documents are available at: http://www.fao.org/fi/static-media/MeetingDocuments/WECAFC/WECAFC17/default.htm Location – Merida, Mexico Participants – 19 Gender balance – 5 women : 14 men Main Outputs – The SAG discussed the outcomes of the work carried out by various joint working groups in 2016–2017 and their Recommendations to WECAFC 17. The SAG reviewed the status of the main fish stocks in Area 31 and discussed the impact of the increase in Fish Aggregating Device (FAD) fisheries on the current stock assessment methods used. The SAG further got updated on the functioning of the Interim Coordination Mechanism for Sustainable Fisheries, the WECAFC-FIRMS partnership and the activities of partner agencies in the region.</p>
4 November 2017	<p>Fourth meeting of the Consortium on Billfish Management and Conservation (CBMC) Minutes available – Dropbox Location – Merida, Mexico Participants – 24 Gender balance – 5 women : 19 men Main outputs -</p>
13 March 2018	<p>Third Project Steering Committee Meeting Minutes available – Dropbox Location – Fort Lauderdale Participants – 14 Gender balance – 2 women : 12 men</p>

	<p>Main outputs – The projects 2018 workplan was technically reviewed and endorsed. Cooperative synergies with CI and other partner organizations were further promoted. Various project outputs were presented, technically reviewed and endorsed.</p>
14 March 2018	<p>Fifth meeting of the Consortium on Billfish Management and Conservation (CBMC) Minutes available – Dropbox Location – Fort Lauderdale Participants – 24 Gender balance – 5 women : 19 men Main outputs –The latest work of the Caribbean Billfish Project was presented. The CBMC members were updated on the development process for business cases to invest in the conservation and management of billfish in the Caribbean. The meeting discussed efforts to improve sustainable management of FAD fisheries in the Caribbean and the latest developments at ICCAT related to billfish management, as well as the ongoing circle hook trials in longline fisheries in Grenada. Further discussion took place on fisheries data collection and legislative improvements in the Dominican Republic. The outcomes from Fishery Performance Indicator studies in the Dominican Republic and Grenada were also discussed, as well as preliminary outcomes from a willingness to pay study for recreational fisheries in the Caribbean.</p>
20 June 2018	<p>Stock assessment side meeting to discuss project progress and other billfish matters Summary available – Dropbox Location – Fort Lauderdale Participants – 11 Main outputs – Technical review of project outputs and prioritization of future planned actions. Updates on current billfish management concerns and potential solutions. Discussions about, and endorsement of, the need to restructure the WECAFC as a RFMO. Technical review, endorsement and advise provision to continue development of the proposed GEF7 follow on project concept.</p>
12-13 July 2018	<p>OPP/ABNJ Project Steering Committee (PSC) Meeting Implementation Support Review – co-organized by the Caribbean Billfish Project Aide memoire available – Dropbox Location – Rome, Italy Participants – 8 Gender balance – 3 women : 5 men Main outputs – The PSC reported that while activities, both planned and underway, would likely provide innovative solutions for the conservation of marine resources and biodiversity required to attract third-party investment, the monitoring and evaluation (M&E) framework must be modified to capture what can reasonably be expected to be produced with the limited time remaining until project closing. The PSC also noted that the innovative and pathbreaking nature of the work being performed under OPP, including the risks that this approach entails, must be better captured under the revised M&E framework.</p>
4 October 2018	<p>Sixth meeting of the Consortium on Billfish Management and Conservation (CBMC) Minutes available – Dropbox Location – Grenada Participants – 24 Gender balance – 5 women : 19 men Main outputs –The results were discussed, reviewed and validated from the billfish mercury content and linked citizen consumption risk study, pilot nation cash flow models, the longline circle hook trials conducted in Grenada, and the business case draft documents. At the end, discussions were held about options for the CBMC to be reconvened in future. It was collectively agreed that the CBMC membership should merge with the WECAFC/OSPESCA/CRFM/CFMC Working Group on Recreational fisheries until future projects, either within or beyond the Caribbean region, require specific billfish research and/or management advice.</p>

Annex 5: Illustrative Photos of Project Supported Meetings and Workshops

Technical workshop on global harmonization of Tuna fisheries statistics



Statistics Workshop



DR Stakeholders Field Work



Recreational Fishery Statistics Participants



Third Billfish Workshop



WECAF Scientific Advisory Group Meeting



DR Stakeholders Meeting



Grenada Inception Workshop



Terminal Workshop Grenada



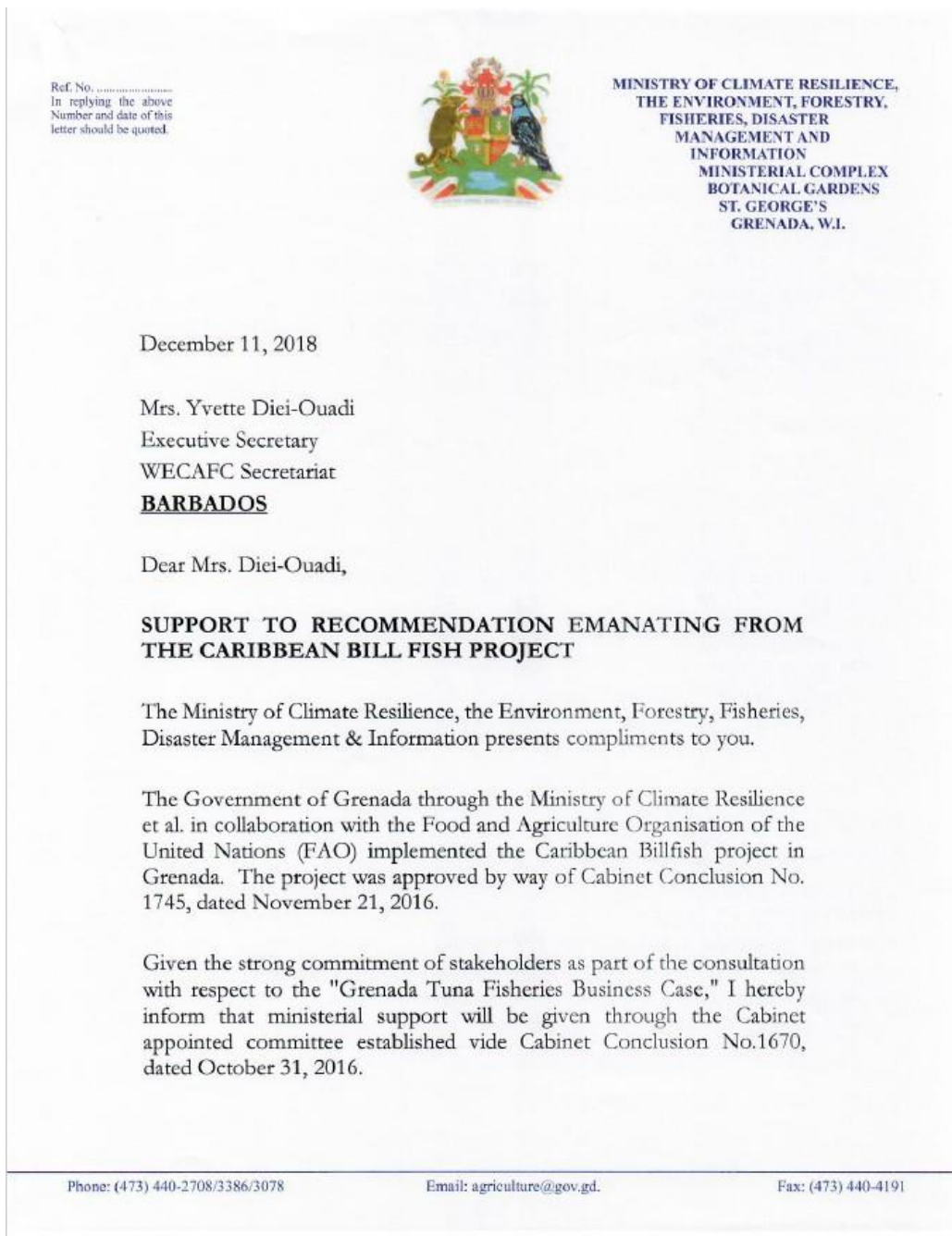
DR Terminal Workshop



Final project workshop in Grenada



Annex 6: Letters of Intent supporting implementation of the Grenada business case



The impact on the fishing industry in terms of approved quotas for Tuna and Marlin will be analysed and presented to cabinet for approval. This will ensure clear policy direction for stakeholders and other related parties. The Ministry will ensure effective oversight and implementation of the recommendations.

We look forward to working with you to make this collaboration successful.

Yours sincerely,



Merina Jessamy (Mrs)
PERMANENT SECRETARY

MJ/ab

Letter of Intent

On implementing fishery improvements within Grenadian tuna fisheries

This Letter of Intent (hereinafter referred to as “LoI”) is made among the Parties listed below:

- *Government of Grenada*
- *Blue Innovation Institute*
- *Grenville FAD Fishers Organization*
- *Gouyave Fishermen Cooperative Society, Ltd.*
- *Spice Isle Fish House*
- *Southern Fishermen Association, Inc.*

Please note that the parties listed to the left have not yet made commitments, but are among the targeted stakeholders. Other stakeholders or relevant groups are also welcome for addition on request

Considering the Caribbean Billfish Project’s business case aims to achieve gradual improvements in the social, economic and environmental sustainability of the Grenadian tuna fishing industry, its fishing practices and governance to achieve compliance with the International Commission for the Conservation of Atlantic Tunas (ICCAT) over a 5 year period; and that the improvements required to achieve this compliance would promote sustainable livelihoods and climate change resilience in Grenada’s fisheries;

Recognizing that a Fishery Performance Indicator (FPI) assessment and subsequent research has identified and investigated several opportunities to improve social, economic and environmental aspects of Grenadian tuna fisheries in order to maximize their socio-economic value and increase their sustainability;

Aware that there is a need to incrementally put in place robust harvest management strategies that ensure billfish and tuna landings remain at sustainable levels - a mandate of ICCAT for which the new member country of Grenada would benefit from compliance in its respective role; and that the newly installed digital data systems can greatly help inform these national harvest strategies, reporting to ICCAT and facilitate more coordinated management of shared pelagic stock harvests in Grenada;

Acknowledging the need to conform with political and legal frameworks influencing fisheries at national and regional levels in the wider Caribbean Region and Western Central Atlantic, as well as further commitments by Grenada under various international fisheries instruments and the Regional Fisheries Bodies (RFBs) active in the region including the Caribbean Regional Fisheries Mechanism (CRFM), the Western Central Atlantic Fisheries Commission (WECAFC), and Organización del Sector Pesquero y Acuicola del Istmo Centroamericano (OSPESCA);

Recognizing that there is a need to incrementally improve the environmental sustainability of Grenadian tuna fisheries through improved management and coordinated actions taken by fishers and other fishery stakeholders in the value chain. Further recognizing that major seafood buyers from global markets for fresh and frozen tuna products have made commitments to source from verifiably sustainable fisheries; and that some commonly accepted standards of sustainability include MSC-certification, Fishery Improvement Projects (FIPs), Seafood Watch ratings and/or Oceanwise recommendations;

Noting as part of the required fishery improvements that stakeholders, including fishers, fisher organizations, exporters, government authorities and others will need to make coordinated and consistent efforts to incrementally increase both the national value and the sustainability of current fisheries landings, along with suitably researched pursuit of seafood markets that source from sustainably harvested fish from effectively managed small-scale fisheries;

Recognizing the need to develop a workplan for incremental fishery improvements, as is intended to be finalized collaboratively with stakeholders in early 2019, which will outline, plan and pursue the sequential actions required to be completed before the Grenadian tuna fishery would be able to meet any of the aforementioned sustainability standards. Further recognizing that the objectives, measurements and actions of the foreseen workplan will be prioritized to support compliance with ICCAT rules, regulations and recommendations; while other objectives, measurements and actions that are included will create the enabling environment for compliance and linked premium market penetration while as ensuring support of livelihoods, management and enforcement;

DECLARE their intention to incrementally achieve:

Environmental Objective: Improve the environmental sustainability and resilience of Grenadian tuna harvesting fisheries through improved operations and management

Environmental Indicators

1. Proactively manage Grenada's national billfish landings to not exceed ICCAT quotas
2. Sustainably pursue the most socio-economically efficient use of yellowfin and bigeye tuna landings

Environmental Actions with High Priority:

1. Conduct further fishing trials with smaller vessels and initiate processes towards the incremental 100% adoption of circle hooks in all fisheries using baits to target tunas for export
2. Conduct fishing trials to determine the most cost-effective set drop depth(s) for longlines and droplines, that will maximize tuna profits with minimal billfish stock impacts
3. Improve landings data collection, analysis and reporting to meet ICCAT standards and inform required national harvest strategies
4. Implement legislation to permit effective co-management; develop and implement a co-management framework
5. Commit to a structure for fishery improvements that support required changes and then regional scaling of the same

Social Objective: Improve Grenadian fishers incomes and social benefits

Social Improvement Indicators:

1. Improve fishers overall revenue, despite revenue lost from required billfish harvest reductions, and reduce fishers cost of operations
2. Increase the proportion of fishers in the national tuna fleet with vessel, life and health insurance
3. Promote additional opportunities for employment and revenue generation within the tuna value chain
4. Limit fleet capacity in the national tuna harvesting fleet, to secure effective management and avoid socio-economic benefits to current fishers becoming diluted among potential new entrants to the fishery

Social Actions with High Priority:

1. Training provided to improve on-vessel handling, slaughter, ice use and harvest storage best practices
2. Improve fisher access to ice, and capacity to maintain ice at sea
3. Determine and seek appropriate funding and technical support as required to improve logistical efficiencies throughout the value chain
4. Promote the effective leadership and management of Community Based Organizations (CBOs)
5. Provide sustainable business development support for CBOs

Economic and Financial Objectives: Increase the business sustainability and resilience of Grenada's tuna fisheries sector

Economic and Financial Indicators:

1. Increase the tuna fisheries sectors overall value
2. Increase business export revenues
3. Increase the number of jobs associated with fish trade

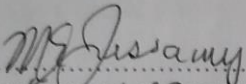
Economic and Financial Actions with High Priority:

1. Pursue value chain efficiencies that increase the financial value and sustainability of Grenada's fishing industry, including governance and co-management strategies.


CONFIRM their common understanding that:

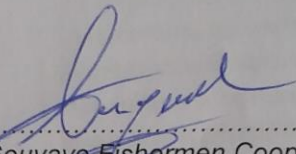
- a) this Letter of Intent (LoI) does not create any financial commitments for any of the Parties at the time of signing.
- b) nothing in this Letter of Intent constitutes a waiver of the privileges and immunities that may be enjoyed by any of the Parties to this LoI.

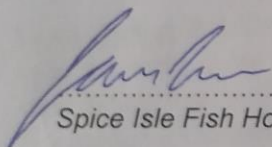
Signed 13.12.2018 in 4 original copies in English, all texts being equally authentic.

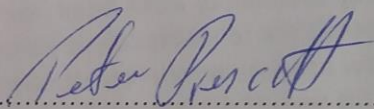

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Government of Grenada
Ministry of Climate
Resilience et al

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Blue Innovation Institute


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Grenville FAD Fishers Organization


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Gouyave Fishermen Cooperative Society,
Ltd.


.....
Spice Isle Fish House


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Southern Fishermen Association, Inc