

Caribbean Fishery Management Council (CFMC) 183rd General Meeting

Dec. 5, 2023

Sennai Habtes

EBFM TAP Chair

Bureau Chief, Fisheries

VI DPNR – Division of Fish & Wildlife

EBFM TAP Purpose

The EBFM TAP Charter - Objectives

• The EBFM TAP shall provide the Council ongoing scientific advice on ecosystem-based fishery management for fishery management decisions, including recommendations for habitat status, social and economic impacts of management measures, and ecosystem-based impacts (stressors) on sustainability of fishing practices

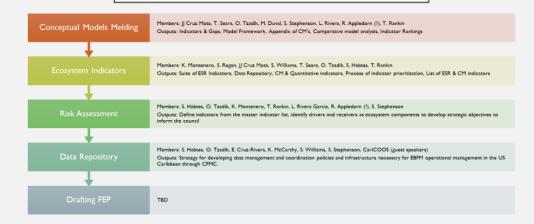
The EBFM TAP Charter - Process

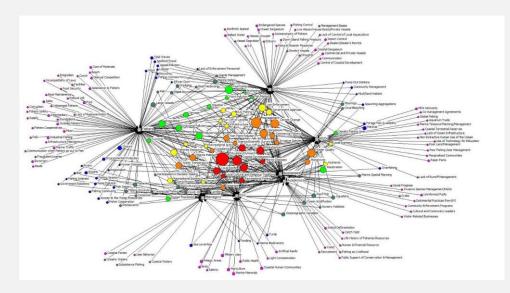
- Develop a Fisheries Ecosystem Plan FEP
 - Framework by which the Council can maintain marine ecosystems and the fisheries resources dependent upon those ecosystems
- Infrastructure for CFMC to implement EBFM in US Caribbean

UPDATES

- Joint SSC & EBFM TAP Meeting May 1-5, 2023
 - Presentations:
 - Stakeholder Perceptions of Env. & Climate Change T. Seara (U. New Haven)
 - Community Social Vulnerability Indicators in the US Caribbean T. Seara (U. New Haven)
 - Use of EBFM in Stock Assessment and Advice Process S. Gaichas (NOAA NFSC)
 - EBFM Research Priorities provided to SSC
- Working Groups:
 - Conceptual Models, Ecosystem Indicators, Risk Assessment met
 - Data Repository TBD
- Technical Writer Draft FEP completed
- Additional funding towards developing a Risk Assessment Framework for CFMC
 - Tauna Rankin & Council Staff MSA Sustainable Fisheries internal funding
 - Contractor Bioimpact Leigh Fletcher
 - Use the main drivers from the conceptual models as risk factors to evaluate risk using quantitative indicators from the NOAA ESR and Lenfest project. – Final Report Completed

WORKING GROUPS







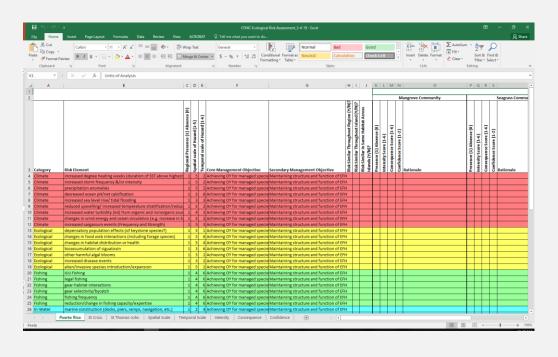
NEXT STEPS

| Activity | Expected Date of Completion |
|---|-----------------------------|
| Revise and draft EBFM TAP goals and objectives | December 2020 |
| Draft FEP goals and objectives | April 2021 |
| Continue to collect and analyze existing data sets from Lenfest, SeaMap, ESR, etc • Expected products = a centralized repository of data (e.g., MBON, Caricoos, etc); summary analyses of pertinent datasets; potentially peer-reviewed publications | April - December 2021 |
| Complete all conceptual models | June 2022 |
| Meld conceptual models to create island-specific conceptual models | December 2022 |
| Use the conceptual models & additional products to create island-specific risk assessments for consideration by the SSC, that will be used to inform approaches that will be presented in the FEP. | December 2023 |
| Use the conceptual models and other products produced by the ESR, EBFM TAP, and by the Lenfest FEP project to identify ecosystem indicators that should be monitored. In addition to inclusion in the FEP. | December 2023 |

NEXT STEPS

| Activity | Expected Date of Completion |
|---|--------------------------------|
| Develop strategic objectives, prioritize the objectives, and outline a vision for the use of the FEP for consideration in the CFMC processes. | Aug 2023 |
| Develop operational objectives with concrete action items to be presented in the FEP, for consideration by the CFMC. | Aug 2023 |
| Develop performance measures and draft a management strategy that can be used situationally during CFMC decision making, to be presented in the FEP, for consideration by the CFMC. | Aug 2023 |
| Develop a feedback mechanism for adaptive management to be presented in the FEP, for consideration by the CFMC. | July 2023 |
| Develop a draft FEP document | Dec 2023 |
| Submit FEP for council approval | Mar 2023 |

RISK ASSESSMENT (RA)



- Develop strategic objectives via risk assessment process to inform the DSS for the Council.
- Who is the intended audience for this tool?
- How broad should the decisions support system be using this tool?
 - I.e. Use in stock decisions for individual species or broader use to all management decisions.
- How complex should the quantitative aspects of the RA tool be?