



Food and Agriculture  
Organization of the  
United Nations



# WECAFC-FIRMS Data workshop

GRENADA, an overview on the  
Fisheries and Marine Resources inventory

*Issues, challenges and lessons learned focusing to data collection, data gaps and deficiencies, and capacity*

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# Outline

## Day 1

- Profile of fisheries and marine resources for the country
- Brief overview for the focus fisheries
- Issues, Challenges & Lessons learned

## DAY 2 & 3

- Type of available data for the focus fisheries:
  - Queen conch
  - Flyingfish
  - Lobster
- Sources and quality of Information
- Potential indicators in support of the Fisheries Management Plans (FMPs)

# Profile of fisheries and marine resources of Grenada

<b>Geographical overview</b>	<b>EEZ extension</b>	7700 km <sup>2</sup>
	<b>National boundaries</b>	Trinidad & Tobago (South), Barbados (East), St. Vincent & the Grenadines (North) & Caribbean Sea (West) Location 12.05° N , 61.75° W
<b>Maritime Domain</b>	<b>Main international agreements</b>	Cartegena Convention and its protocol concerning SPAW UNCLOS, CITES, CBD, Ramsar Convention, Convention on the Protection of Migratory Species of Wild Animals, Port of Spain Protocol on the management and Conservation of the Caribbean Environment, CRFM, OECS/ESDU St. George's Declaration, UN Protocol on the Prevention of Land- Based Sources of Pollution (LBS)
	<b>Joint management plans</b>	CRFM sub regional management plan for Flying Fish in the Eastern Caribbean
<b>General figures on production sector</b>	<b>Catches</b>	2014 Fish Production (Tons) – Pelagics: 2,433.16 Demersals: 421.69 Lobsters: 37.55 Conch: 29.45 Flying Fish :17.24
	<b>employments</b>	2976 Registered Fisherfolks
<b>Available fisheries in the country</b>	<b>National fleet</b>	1935 Registered Fishing Vessels
	<b>Foreign fleet</b>	N/A
<b>Stocks assessed</b>		Dolphinfish by CRFM, Blackfin tuna by CRFM
<b>Trends and issues</b>		Weak data collection system especially at secondary sites.

# Brief overview for the focus fisheries

Country overall production: 3,145.94 Tons

Fishery	Percentage from overall country production
Queen Conch	0.94 %
Flyingfish	0.55 %
Lobster	1.19 %
Pelagics & Demersals	97.32 %

# Issues, Challenges and Lessons learned

## Issues & Challenges

- Data gaps
  - Fishery statistics – Unit of effort not entirely clear. Fleet size database need updating
  - Socioeconomic data: this data type requires its own database. Presently scattered making reporting very difficult
  - Biological data – not in-putted into database even when collected
  - Technical capacity- Great need for training.
- Legal/Policy/Institutional provision – Rely on voluntary compliance although the law has provision to compel compliance by the industry
- Good coordination and management of fishery data collection including periodic review – Data clerks are removed from the data collection process therefore there are no reviews.
- Data sharing – Purview of the data manager.

Lesson learned- Data clerks need more time in the field to develop a better understanding of the industry and a better feel for the data.

# Type of available data for: Queen conch

## **Marine Resource**

- Type of Assessment(s) and State of the Resource- No assessment has been done

## **Fishery**

- Fishery area – available from fisher interview logs where area fished is recorded
- Characteristics of the fishing ground – from area fished
- Harvested resources- From dive boats landings. Resource available to scuba & free diver
- Means of production – Scuba & free diving
- Exploitation – from landings at primary and tertiary sites
- Post-harvest use – Fisher interviews, from the hospitality sector and from processors
- Management (e.g. international agreements, joint management plans...) - None
- Trend of the fishery - catch trends
- Fishery lifecycle - Available

Related fisheries – From dive boat landings ( Lobster & demersals

# Type of available data for: Flyingfish

## **Marine Resource**

- Type of Assessment(s) and State of the Resource – By CRFM. Trigger point of 5000t

## **Fishery**

- Fishery area – From fisher interview logs
- Characteristics of the fishing ground – from fisher interview logs
- Harvested resources -
- Means of production – from fisher interview logs (monofilament gillnets)
- Exploitation - No
- Post-harvest use – No
- Management - CRFM sub-regional management plan
- Trend of the fishery - No
- Fishery lifecycle – available
- Related fisheries- Yes (when used as bait for long liners)

# Type of available data for: Lobster

## **Marine Resource**

- Type of Assessment(s) and State of the Resource - None

## **Fishery**

- Fishery area - From fisher interview logs
- Characteristics of the fishing ground – From fisher interview logs
- Harvested resources – From dive boat landings
- Means of production - Yes
- Exploitation – Only fro primary & tertiary landing sites
- Post-harvest use – Yes
- Management – None. Being developed by WECAFC & CRFM
- Trend of the fishery - catch trends
- Fishery lifecycle- available
- Related fisheries – From dive boat landings

# Sources and quality of Information

- Queen conch: From daily catch logs at primary landing sites (reliable) and purchase & export documents at processors (reliable). Estimates of total catch not reliable since no data are collected at secondary sites where most conch are landed.
- Flying fish: Very unreliable. Most catches are not reported
- Lobster: Same as with Conch

# Potential indicators in support of the Fisheries Management Plans (FMPs)

Fishery indicators		
	Exploitation	Socioeconomic
Indicator Type	<ul style="list-style-type: none"> <li>• <i>Catch</i></li> <li>• <i>Effort</i></li> <li>• Nominal Effort</li> <li>• Fishing Capacity</li> <li>• <i>Fleet Size</i></li> <li>• <i>Production</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Economic Performance</i></li> <li>• <i>Employment</i></li> <li>• Participation</li> <li>• <i>Utilization</i></li> </ul>
Measure	<ul style="list-style-type: none"> <li>• <i>Catch</i></li> <li>• <i>Number of Ports</i></li> <li>• Landed Volume</li> <li>• Fleet Tonnage</li> <li>• Fleet Power</li> <li>• <i>Number Vessels</i></li> <li>• <i>Number Fishing Unit</i></li> <li>• Trawling Hours</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Gross Value Added</i></li> <li>• <i>Landed Value</i></li> <li>• <i>Landed Average Price</i></li> <li>• Landed Global Value</li> <li>• International Market Global Value</li> <li>• <i>Number Fishermen</i></li> <li>• <i>Per Capita Consumption</i></li> <li>• Domestic Human Consumption</li> <li>• Shared in Animal Protein</li> </ul>

Thank you!