



Food and Agriculture  
Organization of the  
United Nations



# WECAFC-FIRMS Data workshop

Saint Lucia, an overview on the  
Fisheries and Marine Resources inventory

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

Patricia Hubert-Medar

# 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
  - Others
- Sources and quality of Information
- Potential indicators in support of the Fisheries Management Plans (FMPs)

# Profile of fisheries and marine resources for the country

<b>Geographical overview</b>	<b>EEZ extension</b>	4700km <sup>2</sup>
	<b>National boundaries</b>	St. Vincent; Martinique
<b>Maritime Domain</b>	<b>Main international agreements</b>	<ul style="list-style-type: none"> <li>• United Nations Convention on the Law of the Sea</li> <li>• Central –Western Atlantic Fisheries Commission</li> <li>• Convention on International Trade in Endangered Species of Wild Funa and Flora (CITES)</li> <li>• International Convention for conservation and Management Measures by Fishing Vessels on High Seas.</li> </ul>
	<b>Joint management plans</b>	Flying Fish Management Plan????
<b>General figures on production sector</b>	<b>Catches</b>	1694.69 (2014)
	<b>employments</b>	1346 (2014) based on 2012 census figures
<b>Available fisheries in the country</b>	<b>National fleet</b>	760 (2014)
	<b>Foreign fleet</b>	None
<b>Stocks assessed</b>	CRFM Scientific Meetings: Conch and Lobster	
<b>Trends and issues</b>		

# Brief overview for the focus fisheries

Country overall production: 1694.69

Fishery	Percentage from overall country production
Queen Conch	4.24%
Flyingfish	5.02%
Lobster	1.50%
<Others>	89.24%

# DAY 2-3

*The following slides will be not presented but used in day 2& 3 and for the workshop report)*

# Type of available data for: Queen conch

## **Marine Resource**

- Type of Assessment(s) and State of the Resource

## **Fishery**

- Fishery area : eez of St. Lucia
- Characteristics of the fishing ground:
- Harvested resources
- Means of production : SCUBA , nets (SCUBA is prohibited for other types of fishes)
- Exploitation :
- Post-harvest use : Local consumption
- Management (e.g. international agreements, joint management plans... ): CITES
- Trend of the fishery : steady increase in landings
- Fishery lifecycle:
- Related fisheries: finfishes

# Type of available data for: Flyingfish

## **Marine Resource**

- Type of Assessment(s) and State of the Resource

## **Fishery**

- Fishery area
- Characteristics of the fishing ground
- Harvested resources
- Means of production
- Exploitation
- Post-harvest use
- Management (e.g. international agreements, joint management plans...)
- Trend of the fishery
- Fishery lifecycle
- Related fisheries

# Type of available data for: Lobster

## **Marine Resource**

- Type of Assessment(s) and State of the Resource

## **Fishery**

- Fishery area : eez of St. Lucia
- Characteristics of the fishing ground : Coral Reef
- Harvested resources :
- Means of production : fishing pots; nets
- Exploitation :
- Post-harvest use : local consumption
- Management (e.g. international agreements, joint management plans... ): size limits; closed season and molting
- Trend of the fishery : steady
- Fishery lifecycle
- Related fisheries: reef species

# Type of available data for: <Others>

## **Marine Resource**

- Type of Assessment(s) and State of the Resource

## **Fishery**

- Fishery area
- Characteristics of the fishing ground
- Harvested resources
- Means of production
- Exploitation
- Post-harvest use
- Management (e.g. international agreements, joint management plans...)
- Trend of the fishery
- Fishery lifecycle
- Related fisheries

# Sources and quality of Information

- Queen conch: Data collectors, survey.
- Flying fish: Data collectors, survey.
- Lobster: Data collectors, survey.
- Others: Data collectors, survey.

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

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

# Issues, Challenges and Lessons learned

## Issues & Challenges

- Data gaps
  - Fishery statistics: Effort data is not accurately captured.
  - Socioeconomic data: Some Socio data is collected
  - Although biological data has been captured in the past, for some species, the collection of such data has not been sustained after the termination of externally funded projects.
- Technical capacity: There is need for training of data personnel at a territory level to improve data analysis and interpretation.
- Legal/Policy/Institutional provision: Out dated legislation; National Fisheries Plan not formally adopted.
- Data sharing: some level of data sharing take place but can be improved.
- Although the DOF are in the process of updating the database, they still utilizes DOS based programs for data entry (TIP & LRS).

## Lesson learned

The process of manual data collection creates undue delay in the compilation of landing data , as the DOF has embarked on improving the manual collection system.

**Thank You!**  
**Gracias!**  
**Merci!**