

**PROMOTING REGIONAL TRADE AND AGRIBUSINESS DEVELOPMENT
IN THE CARIBBEAN**

**STUDY ON LINKING FISHERIES TO
TOURISM-RELATED MARKETS**

BARBADOS



Dr. Iris Monnereau
Centre for Resource Management and Environmental Studies
University of the West Indies

Tourism sector in Barbados

- Barbados is highly dependent on the tourism sector
- Indirectly the tourism industry supports 36% of the country's GDP
- It provides 14,000 jobs (11% of total employment)

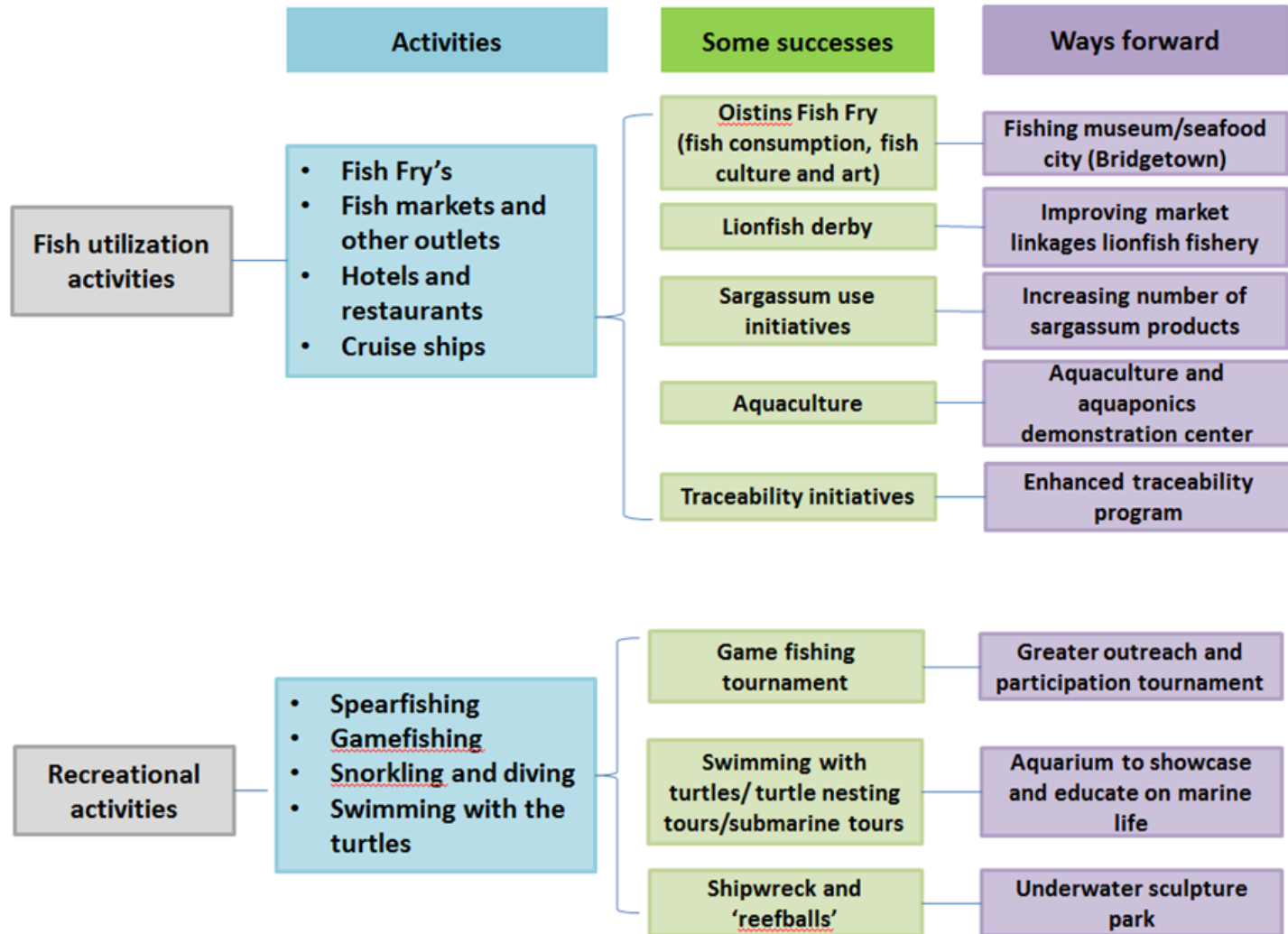


Fisheries sector in Barbados

- Fisheries provide food security and employment and livelihoods
- 2,200 people are directly employed
- 6,000 employed in fish chain



What are the linkages between the tourism and the fisheries sector?



Oistin's Fish Fry and other cultural activities

- Oistin's Fish Fry has become a major tourist attraction over past 10 years
- Offers a 'truly' Barbadian cultural dining experience with a street party setting for visitors and locals with karaoke, dances and stalls with crafts and arts
- Majority of fish is imported (approximately 70%)
- Further improvement lies in improving the crafts and entertainment (e.g. the Tuk band, stilt walking and limbo dancing)
- Other options:
 - a) Develop a fishing museum
 - b) provide guided tours of the market and surrounding areas;
 - c) Sea turtle viewing activity
 - d) *Bridgetown "Seafood city"*
 - e) *Enhancing "Fishermen's week" activities*



- Lionfish first cited in Barbados in 2011
- A Lionfish Response Plan was developed by CZMU, UWI, Fisheries Division and Natural Heritage Department
- Lionfish Derby are organized annually
- Initially public-private initiative now private party initiative
- Need for public awareness building
- Workshops with local chefs on safe preparation of lion fish as many chefs are still unfamiliar
- Training of fisherfolk in fish handling of lionfish as this provides a significant obstacle to fishers



Barbados Lionfish Derby
Dec 5&6, 2015

WANTED: LIONFISH HUNTERS

Info: www.barbadoslionfishderby.com

Prizes: \$\$\$ Computer/Backpacks/Dive Guides/Spears/Vouchers

Registration: barbadoslionfishweek2015@outlook.com 248-240-9872

Team fee: = \$100.00 = max 4 participants (team prizes)

Welcome: Photographers, Videographers, Freedivers, Hunter Buddies

Feasting Stations: Copacabana / Little Bristol Beach Bar

Notes: Sponsor's below for Gloves/Spear/Lionfish Bag/Boat booking..

Aquaculture

- Considering that Barbados imports more fish than it produces there is scope for the aquaculture sector in terms of import substitution.
- One well-functioning aquaculture farm in Barbados (tilapia and crayfish)
- Improving aquaculture production is important;
- Development of an aquaponics demonstration center providing training for small-scale aquaponics farmers, educate secondary and tertiary school students while also providing tours for educational purposes for tourists and locals providing an unique and interesting attraction for visitors



Traceability and quality improvement

- It is important to address the current mismatch of supply and demand between small-scale fishers and the hospitality trade and improving quality and reliability throughout the supply chain
- To service the tourist market local producers need to find profitable and competitive ways to meet tourism industry demands for volume, quality, regularity traceability, and safety requirements



Recreational activities

- Gamefishing needs wider advertisement and public outreach to increase foreign boats participating in the game fishing tournament
- Reef balls have been a partial success
- Coral reef gardening is proposed
- The anticipated Underwater Heritage Sculpture Park proposed by the BMT could provide incentives for local fishers as well as the tourism sector.



Financing and way forward

1. Identify key project areas
2. Develop short concept notes
3. Discuss public-private partnerships
4. Discuss also with donor organisations (FAO, IDB etc)
5. Pitch at pcoming Blue Growth Investment Conference (May 14-22)
6. Examine other outlets

Climate Change and variability

Climate variability refers to changes in climate from one year to another: it is **natural and occurs on a regular basis**.

Climate change is the change in climate over a time period from 10 to 100s of years. **Climate change** involves both **natural changes and changes caused by human action**



Climate change impacts: marine capture fisheries

- **Fish Redistribution:** fish populations are shifting away from tropical latitudes
- **High local extinction** rates in the tropics and semi-enclosed seas
- **Fish Size changes:** large fish will have a smaller maximum body size due to reduced oxygen capacity of seawater.
- **Coral bleaching** events affecting fisheries biomass, abundance and productivity
- **Harmful algal blooms** could cause mass die-offs of wild and farmed fish