

JAPAN • CARICOM



FRIENDSHIP
YEAR 2014

*"Strengthening Our Partnership While
Developing an Improved and Dynamic
Fishing Sector"*

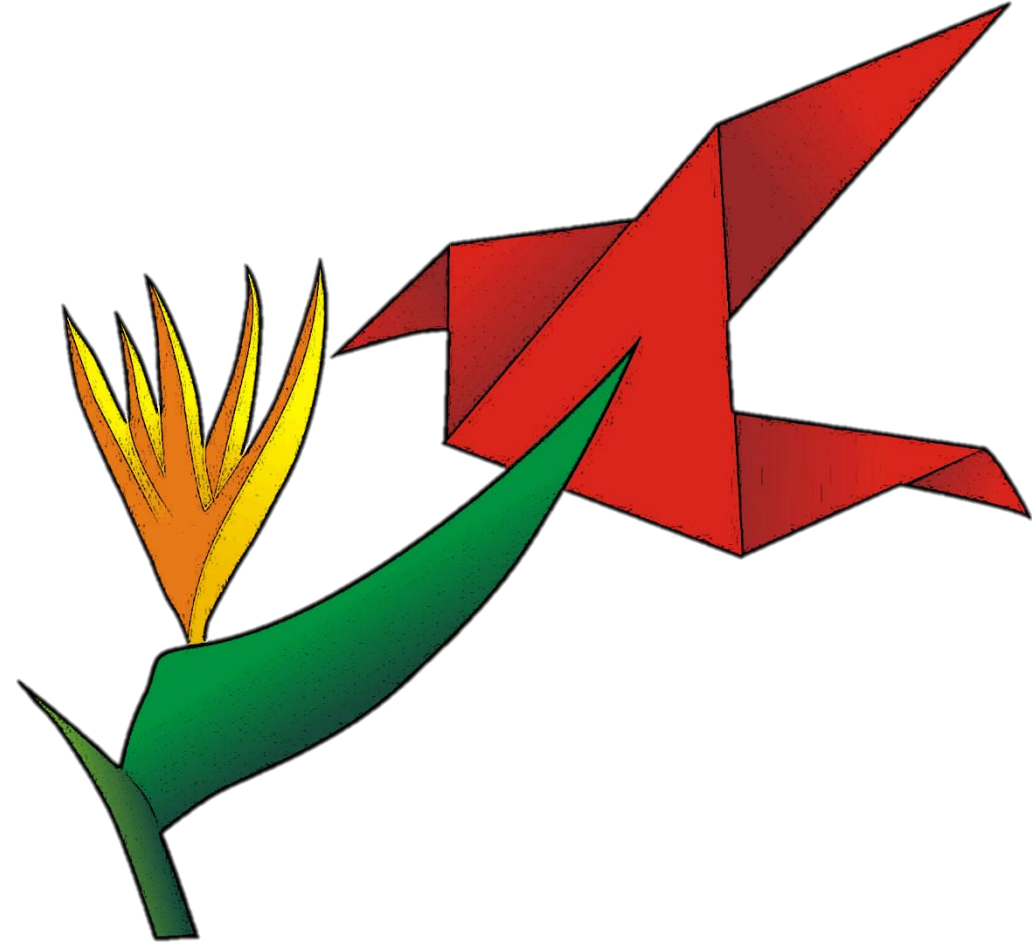
A History of Cooperation in Fisheries Development: **Japan – Dominica**



Contents

- The start of a relationship: Japan & Dominica
- Infrastructure
- Technical Expertise & Overseas Volunteers
- Training for Dominicans
- Research Facilitation
- Regional Projects
- International Solidarity

The start of a relationship:
Japan & Dominica



In the beginning...

- Diplomatic relations established in 1978

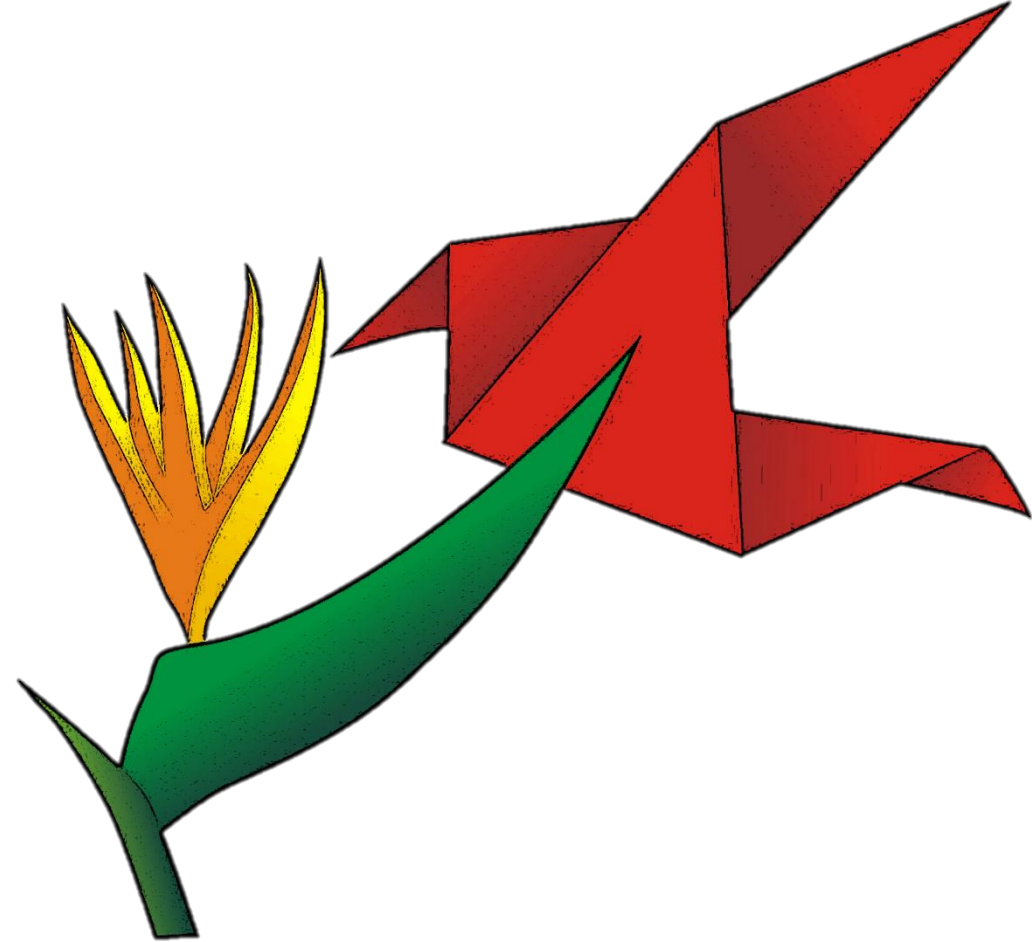


JAPAN

Official Development Assistance



Infrastructure



Roseau Fisheries Complex

- Built 1994-1995
- Renovated 1998-2000











Marigot Fishing Port Facility

- Built 2003-2004











Portsmouth Fisheries Facility

- Built 210-2011





Technical Expertise & Overseas Volunteers



Technical Experts

- Ryutaro Ueoka (??? - ???)
- Kazumi Iida (2003-2005)
- Mitsuhiro Ishida (???-2014?)



Japanese Overseas Cooperation Volunteers

- Naomi Hosoe
 - Culinary Arts; Adult Education and Fisheries
 - 2006-2008
- Tanno Daisuki
 - Statistics; Fisheries (Marigot)
 - 2005-2006
- Yuko Murohashi
 - Marketing and Fish Product Development
 - 2009



Japanese Overseas Cooperation Volunteers

- Tetsuya Miyahara
 - Statistician; Fisheries
 - 2010-2013
- Senda
 - Culinary Arts; Adult Education and Fisheries
 - 2010-2012?
- Yuka Kakushita
 - Marketing and Fish Product Development
 - 2013
- Takaharu Matsuura
 - Statistician; Fisheries
 - 2013



Training for Dominicans



Courses in Japan



- Coastal Fishing Training and Extension (1997)
- Planning for Fisheries Community Development
- Coastal Fishing Techniques for Sustainable Resource Use
- Fisheries Resource Management
- Rural Development in Fisheries



Courses in Trinidad (CFTDI)

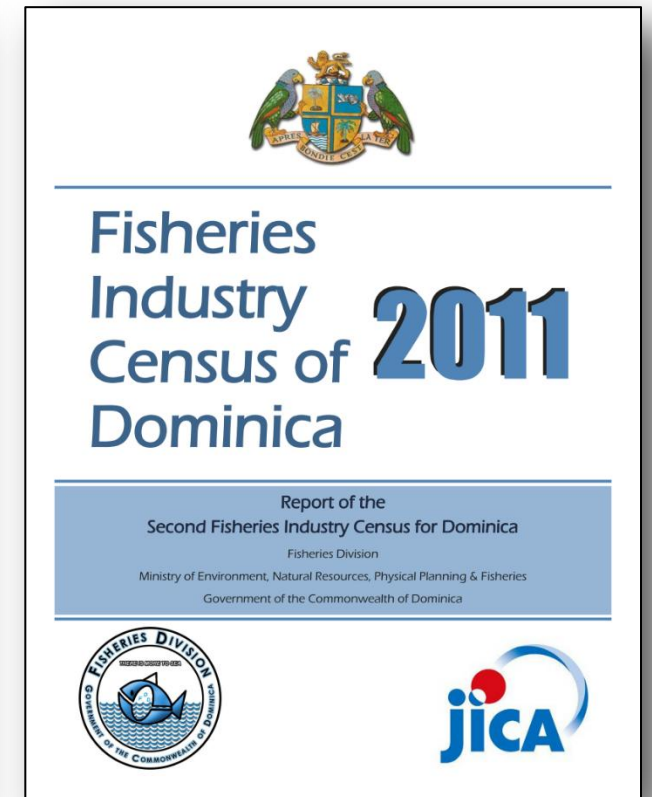
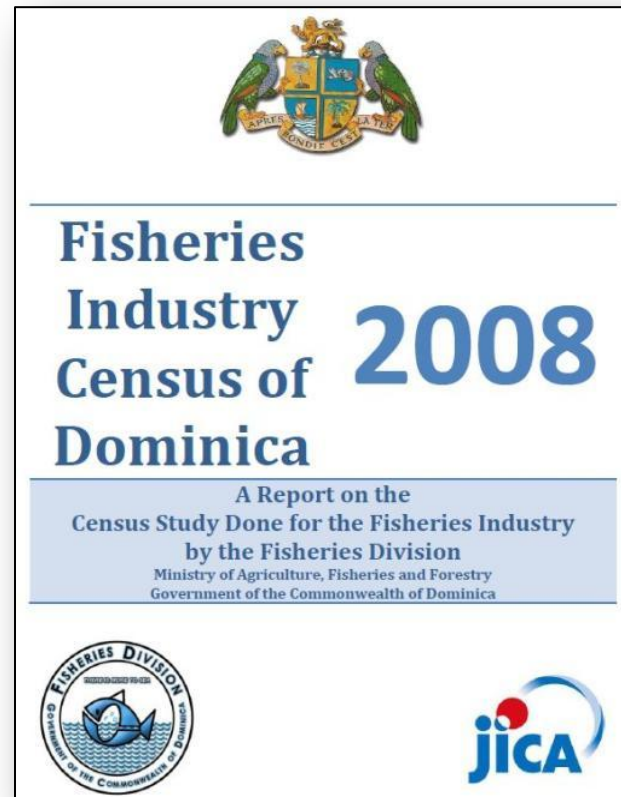
- Fishing Methods: Pelagic Longline and Pot Fishing (1995)
- Fishing Technology (1998)
- Marine Engineering
- Fisheries Resource Management Measures (2006)
- Marine Fisheries Resource Management
- Marine Fisheries Resource Management and Biostatistics for Fisheries Science Using SPSS
- 4 stroke engine training course (2014)

Facilitation of Research & Local Training



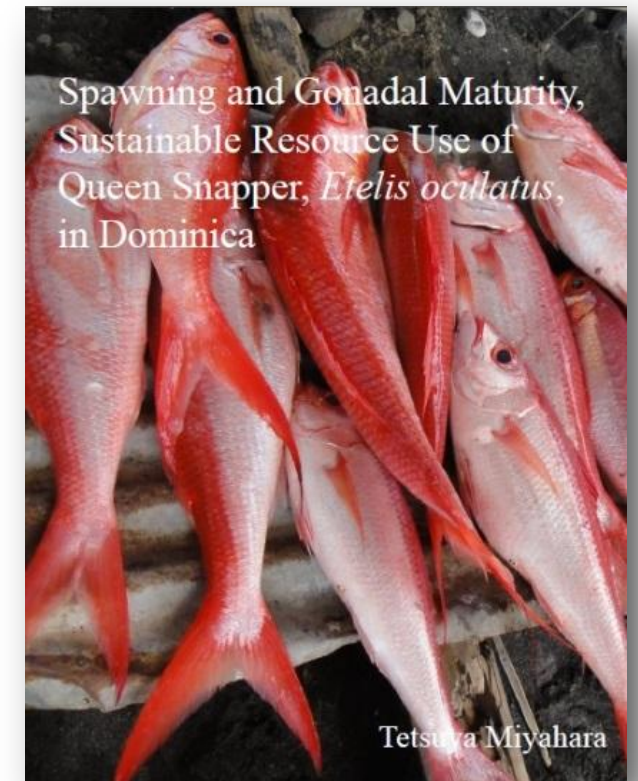
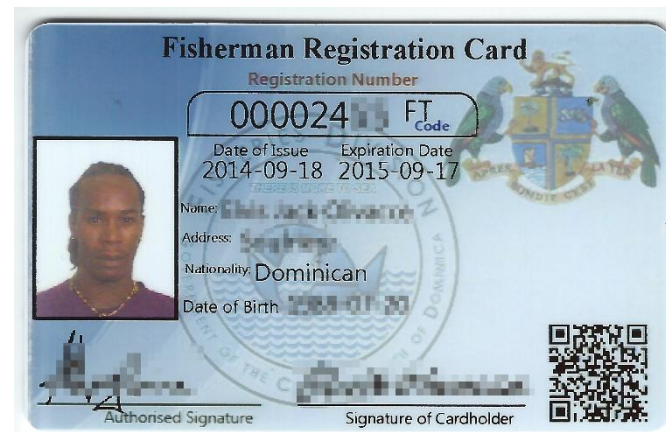
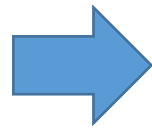
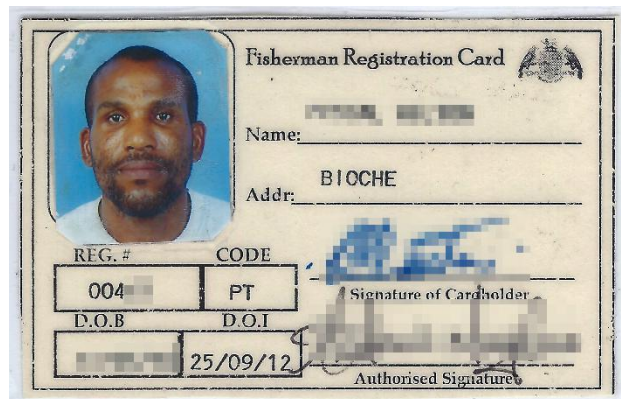
Fisheries Industry Census

- 2008 and 2011
- First-ever industry-wide socio-economic studies of the fisheries sector



Fisheries Data Improvement

- Fish Catch and Effort Data Forms Improvement(CARFICO)
- Fisherman ID Card System Upgrade (CARIFICO)
- Mapping Boats at Landing Sites (Tetsuya & Taka)
- Sonar Mapping of Fishing Grounds (Tetsuya)



Ghost Fishing and Biodegradable Panels

Disposal Data Research:

- Production of trawls and other abandoned materials
- Contamination, adversely affecting soil water and sub-surface
- Obstacles to navigation, and interference of port and coastal fishing
- Interference of biodegradable panels / materials
- Interference of biodegradable panels / materials

Background:

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Ghost Fishing by lost & derelict fish pots in Dominica

Background:

- Hurricane Lenny 1999, > 1800 pots lost to 275 fishers
- Hurricane Dean 2007 > 1450 pots lost to 120 fishers
- Mostly inshore demersal fishery affected

Definition of Ghost Fishing:
The continuous mortality of aquatic organisms caused by the retention of the capture function of lost and abandoned fishing gear without any human control mechanism in place

Factoid:
"1280 fish observed in 10 fish pots in 4 months"
Source: JICA

Reasons for lost fish pots:

- Relocation due to changes in tides and currents
- Conflict with other fishing operations
- Encounters with marine traffic
- Forgotten location or theft

Counter measures:

- Use of biodegradable panels & time-release devices
- Increase use of floats & surface markers

Research objectives:

- Determine mortality and death rate of trapped fish
- Determine survivability of species
- Determine durability of 10 gauge mesh wire pots when deployed on sea floor
- Determine suitable material for time-release device
- Production of technical report & recommendations for better management of the pot fishery

Disposal Data Research:

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A Solution to Ghost-Fishing by Lost and Derelict Fish Pots

Recommendations:

- Use of biodegradable materials on floats and surface marks of all fish pots
- The fishery in Dominica should no longer be subsidised for years
- Develop alternative livelihoods for pot fishers, to reduce pressure on inshore fishery

Contact Information:

Ministry of Environment, Natural Resources, Physical Planning and Fisheries
Bureau Fisheries Compliance Wing
Office 404 E. Charles Road, Bay Front, Basseterre
Dominica, W.I.

Phone: (767) 448-2400 (ext. 2200)
Fax: (767) 448-2400 (ext. 2200)
Email: fisheries@dom.gov.dn

February 2011

Stop Ghost Fishing Now!

Use biodegradable panels on your fish pots

WITHOUT
Lost and found fish pot

WITH
Biodegradable escape panel research

Estimated Fish Capture By Fish Pots

After 333 days fish is still being captured!

Biodegradable escape panel after release

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2008

2011

Provision of equipment

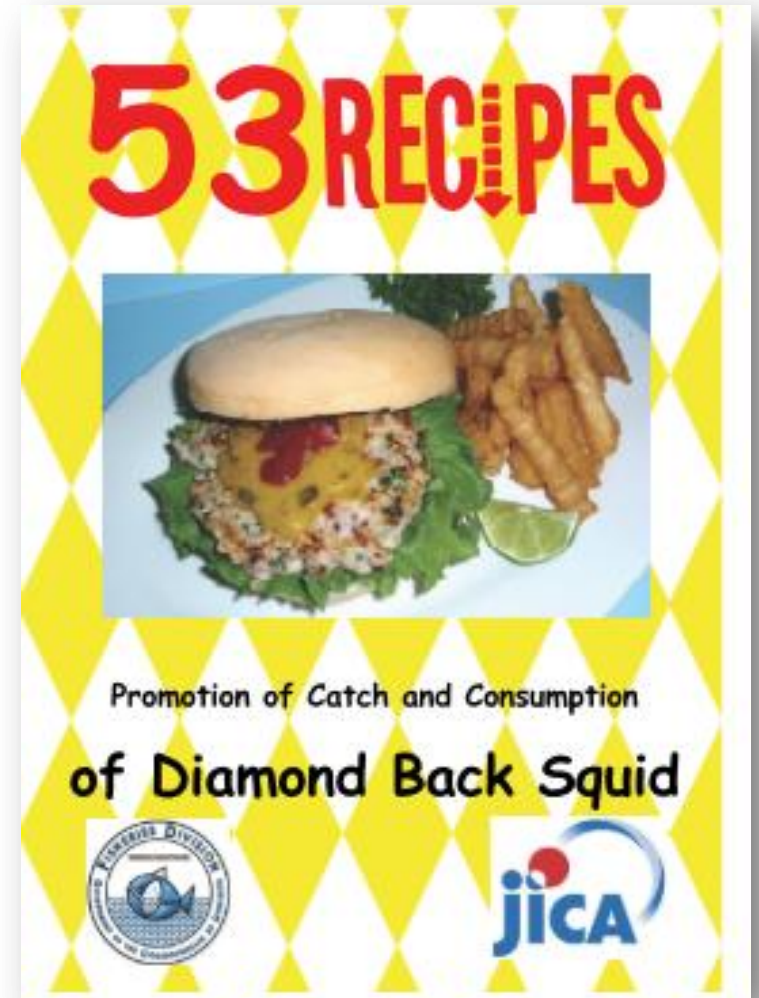


Provision of equipment



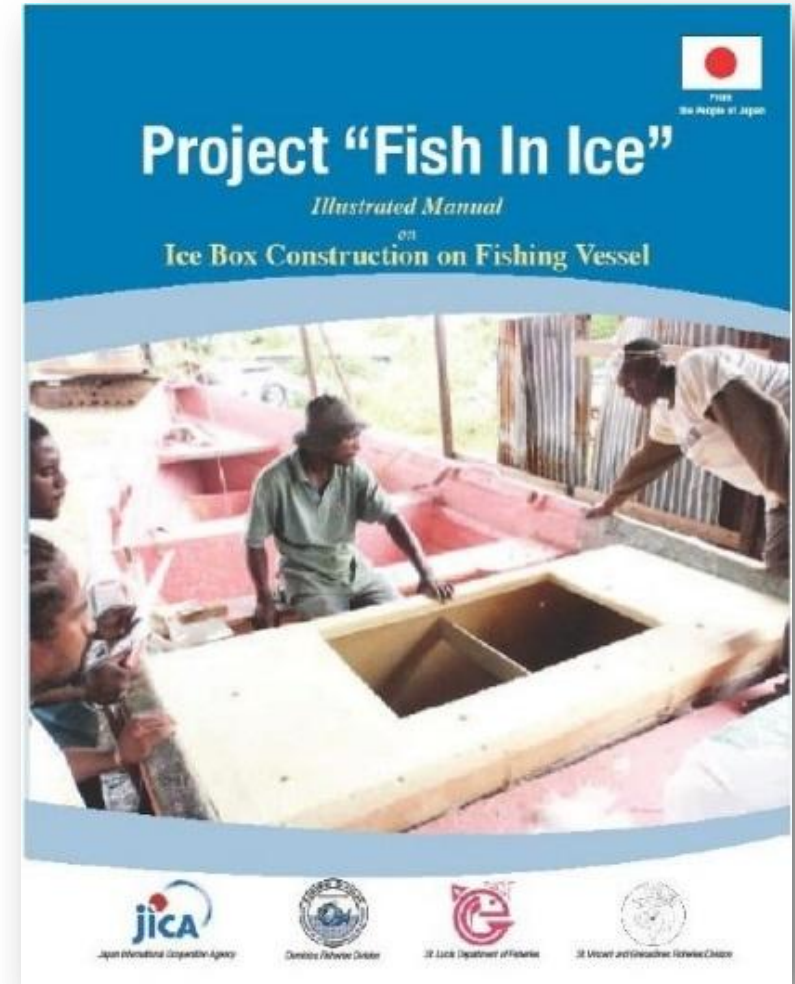
Diamond Back Squid Exploratory Fishing

- Started 2000, continues today
- Procurement of squid fishing equipment
- Fund research trips



Icebox Promotion

- Info on icebox project



Product Development (Yuka)

- Fish Queen
- Financial Assessment for Fisheries Co-operatives
- Market survey for development of fish market outlets

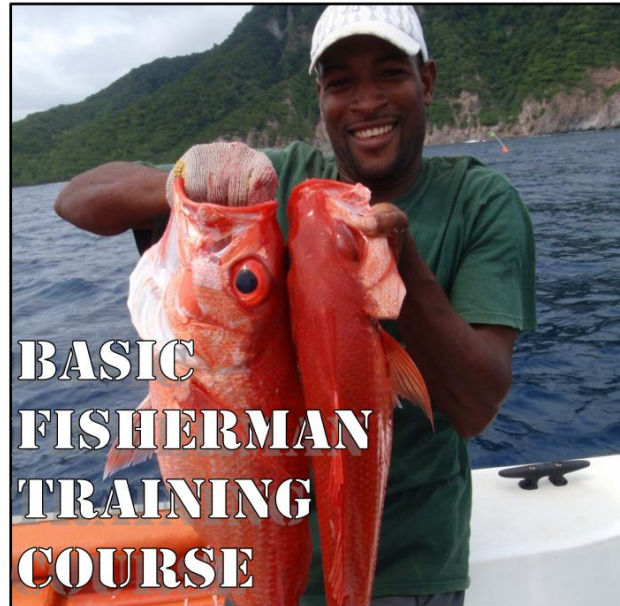


Basic Fisherman Training Course

- Development and Printing of 2 Editions of the BFTC Training Manual



**basic
fisherman
training
course**



Training Manual



**basic
fisherman
training
course**

Training Manual Second Edition



Sponsored by the Japan International Cooperation Agency (JICA)




Regional Projects



“Master Plan” Project

- Info on “master plan” project

A solid blue rectangular box with a thin black border, serving as a placeholder for a picture.

Pic of “master
plan” project

CARIFICO Project



Pic of CARIFICO
banner

International Solidarity



- International Whaling Commission (IWC)
- Convention on the International Trade in Endangered Species (CITES)
- FAO Committee on Fisheries (COFI)
- World Trade Organization (WTO) – Trade Subsidies