

JAPAN • CARICOM

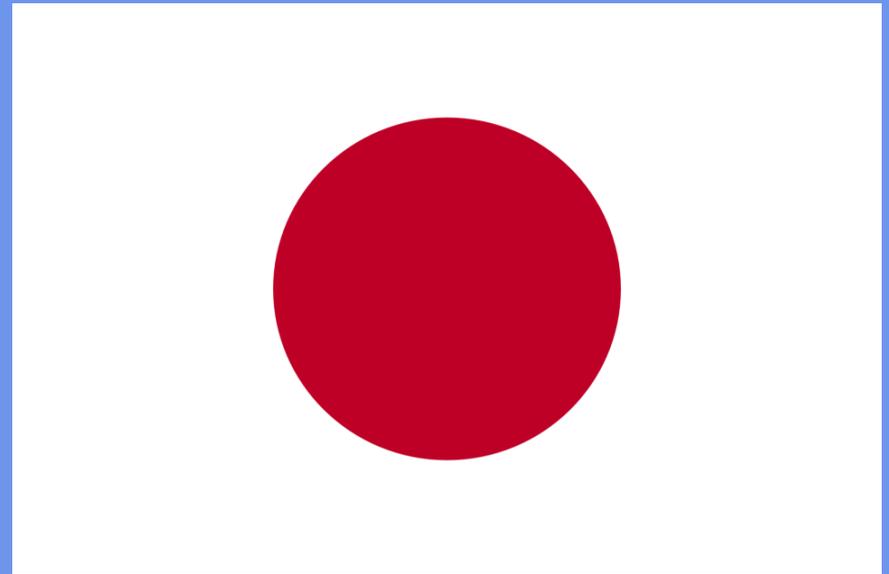


FRIENDSHIP  
YEAR 2014

# ST. VINCENT AND THE GRENADINES



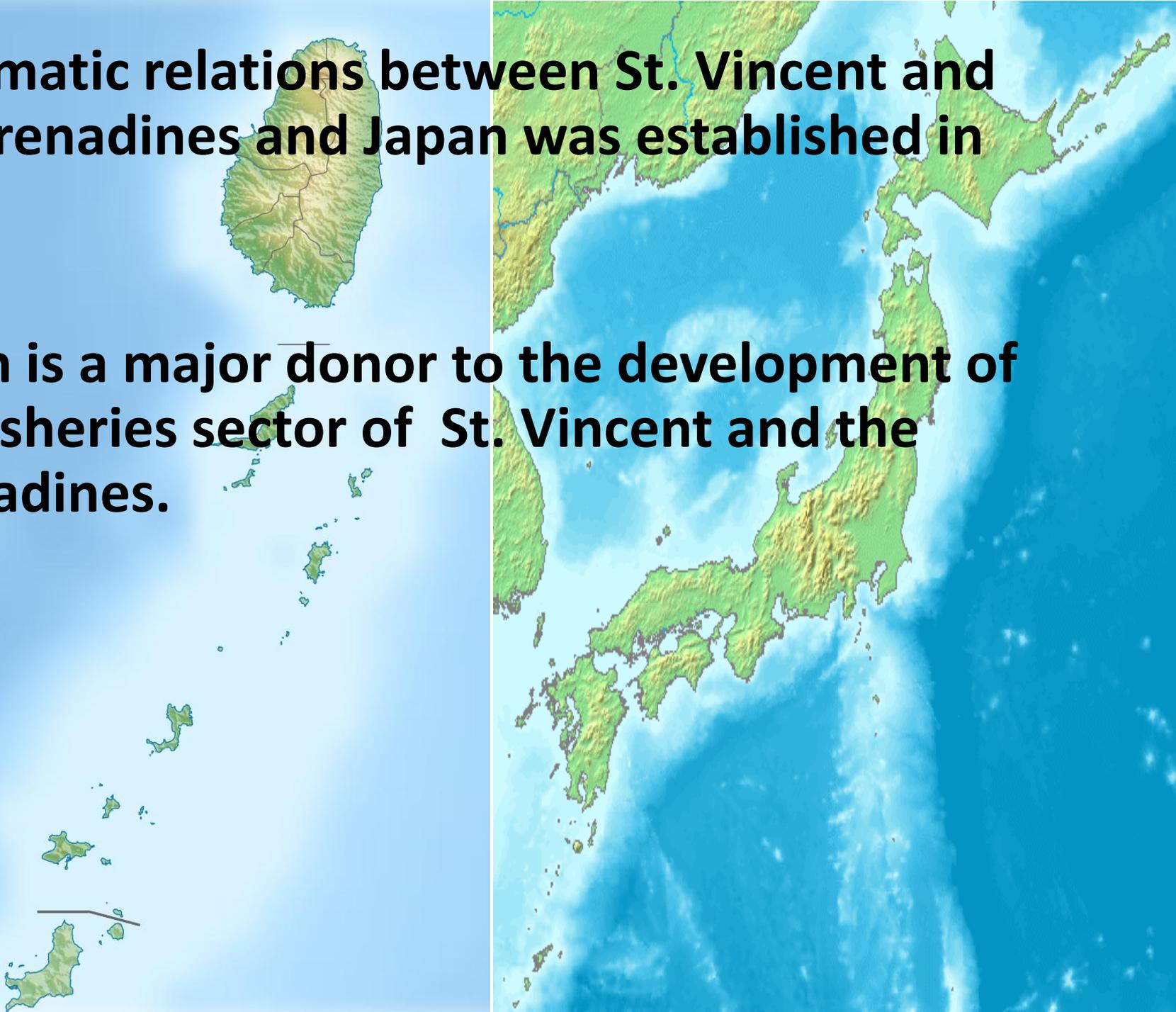
# JAPAN



IN COUNTRY SEMINAR NOVEMBER 24<sup>TH</sup> 2014

**Diplomatic relations between St. Vincent and the Grenadines and Japan was established in 1980.**

**Japan is a major donor to the development of the fisheries sector of St. Vincent and the Grenadines.**



# KINGSTOWN FISHERIES COMPLEX AND BUS TERMINAL 1988



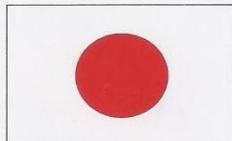
**NEW KINGSTOWN FISH MARKET**  
**IN**  
**ST. VINCENT AND THE GRENADINES**



**A JAPANESE GRANT AID PROJECT**

1987 E/N

1988 E/N



# KINGSTOWN FISH MARKET & FISHERIES DIVISION BUILDING



# TWO JETTIES



# NATIONAL FISHERIES MARKETING LTD



# KINGSTOWN FISH MARKET- RENOVATED IN 2005



# FISHERIES DIVISION CONFERENCE ROOM



# QUALITY ASSURANCE BUILDING

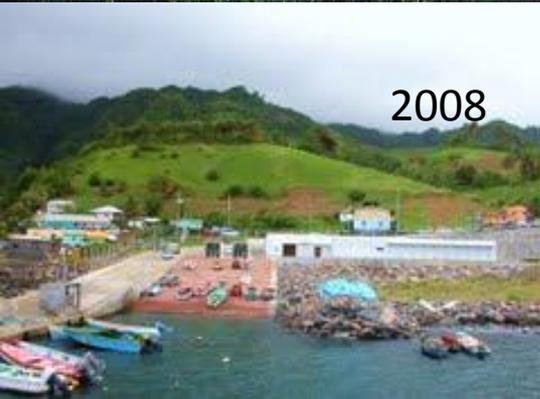
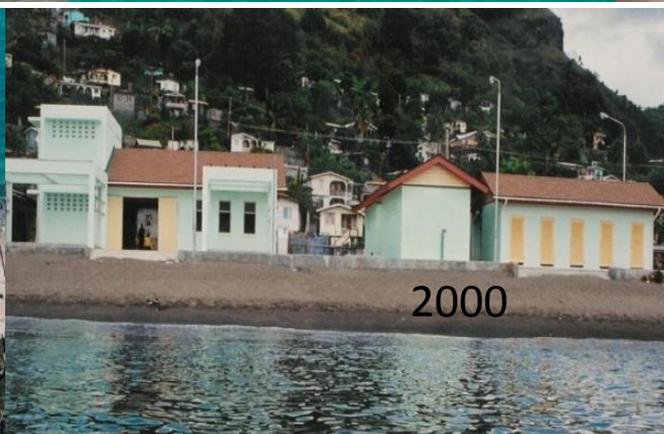
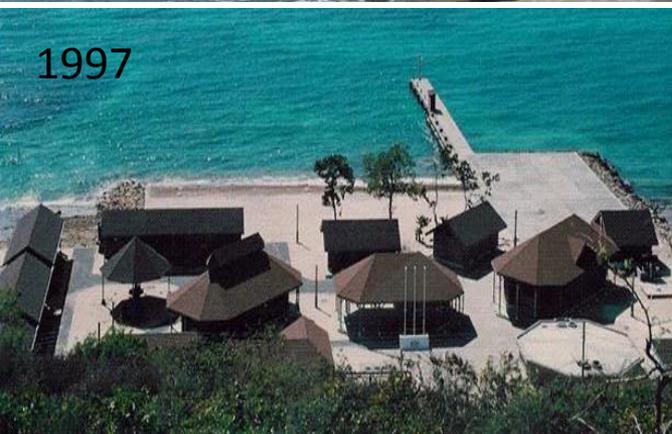


**WET LAB**



**DRY LAB**

# FISHERIES CENTRES



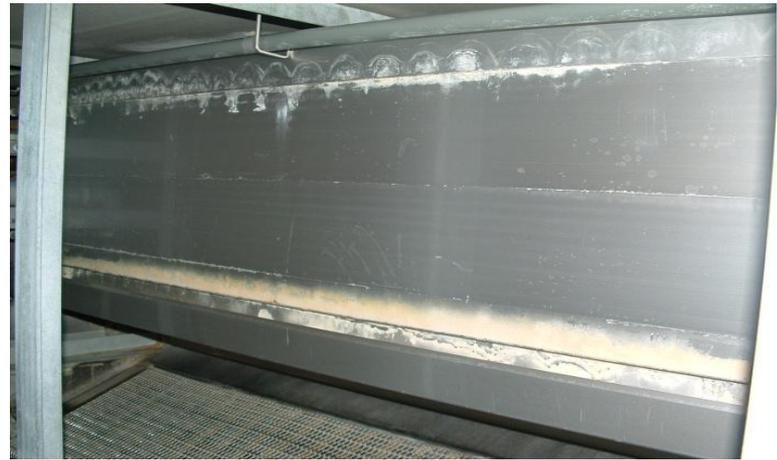
# EQUIPMENT AT UNION ISLAND FISHERIES CENTER



# CANOUAN FISHERIES CENTER



# Equipment at Barrouallie & Chateaubelair Fisheries Centers



# OWIA FISHERIES CENTER



# FISHERIES MAINTENANCE CENTRE: ESTABLISHED IN 1989



# FISHING VESSELS

- 5 Tuna long liners (43 ft): Black Jack, Tri Tri, Kitty, Albacore & Blem
- Macaboro (38ft) multipurpose fishing vessel
- 4 Martinique type pirogues
- Double Ender: Dodger





2014/11/20

# OTHER VEHICLES

- 2 Insulated Trucks
- 1 Crane vehicle
- 4 Pickup Trucks
  - Union Is
  - Canouan
  - Bequia
  - Calliaqua



# JICA TRAINING - Japan

- **Fishing Gear and Methods and Extension Methodology:** Mr. Angus Dennie, Mr. Hyrone Johnson, Ms. Shermaine Glynn Johnson, Ms. Jennifer Cruickshank-Howard, Samuel Hazellwood
- **Engine Repairs and Maintenance:** Mr. Reshevski Jack, Mr. Keith Howard (private sector)
- **Fisheries Co-operative course:** Mr. Clyde Robinson
- **Fish Quality Assurance:** Mr. Franklyn Murphy
- **Maintenance of Refrigeration Systems for Caribbean Countries:** Mr. Lorenzo George & Mr. Ernie Brackin
- **Coastal Fishing Techniques for Sustainable Resource Use:** Mr. Travon Ferary & Mr. Ayodele Adams
- **Fisheries Extension Officers in Island Countries:** Mr. Hyrone Johnson & Mr. Shamal Connell
- **Maintenance of Electrical Control:** Mr. Lorenzo George

# **JICA TRAINING - CFTDI**

- **Fish Handling and Processing**
- **Engine Repairs and Maintenance**
- **Fishing Gear and Methods**
- **Fish Quality Assurance**
- **Fish Handling and Processing, Preservation and Cooking Technology**
- **Maintenance of Refrigeration Systems for Caribbean Countries**
- **Coastal Fishing Techniques for Sustainable Resource Use**
- **Fisheries Resource Management**
- **Four Stroke Engine Maintenance**

# JICA TRAINING

**MR GEORGE MAINTENANCE OF REFRIGERATION SYSTEM, 2008.**



**TRAINING AT DAIKIN**



# JICA TRAINING

## SET NET TRAINING KAGOSHIMA, JAPAN



# JICA TRAINING

CHART PLOTTING,  
KAGOSHIMA, JAPAN



FISH BIOLOGY,  
KAGOSHIMA, JAPAN



# OKINAWA, JAPAN





# FISH MARKET, OKINAWA



# JICA EXPERTS

- Mr. Masatoku Kawaguhi (1990) Aquaculture and mariculture
- Mr. Yukichi Kimura (1993-1995) Fishing Gear & Methods
- Mr. Teruo Mita (1994-1996) Engine Maintenance
- Mr. Motoki Fujii (1995-1997)
  - Diamond Back Squid
  - Coastal Fishing Technology
  - FADs development in 1990s
- Hajime Fukagawa (1998-2001)
  - Product Development
  - Tuna canning
  - Whale and Blackfish smoking



# JICA EXPERTS

- Senga san (1992- 1993)
  - Introduced tuna long line fishing to fishers
- Mr. Takahumi Toshihara (2001-2011)
  - Fish Marketing and Product Development
- Nariaki Mikuni (2011-present)
  - Senior Fisheries Expert (JICA) CARIFICO Project
- Mitsuhiro Ishida (July 2013- Present)
  - Marine Biologist working with CARIFICO

# JICA EXPERTS



# JICA EXPERTS



# JICA VOLUNTEERS

- Worked with fishers in Barrouallie, Owia, Chateaubelair, Calliaqua, Kingstown
- Community Development Activities
- Japan Day – Fisherman's Month Celebrations



# JICA VOLUNTEERS



# JICA VOLUNTEERS



# JICA VOLUNTEERS



# STUDIES AND COMMUNITY BASED PROJECTS

- Study on the Formulation of a Master Plan on the Sustainable Use of Fisheries Resource for Coastal Community Development in the Caribbean
  - Overview of Fisheries sector
  - Identified key issues for coastal resource management: e.g. Utilizing large pelagic resources to save inshore resources - FAD Development, research on diamond back squid fishing, research on flying fish processing and marketing

# CARIBBEAN FISHERIES CO-MANAGEMENT PROJECT (CARIFICO)



# CARIBBEAN FISHERIES CO-MANAGEMENT PROJECT (CARIFICO)



# CO-MANAGEMENT: FAD MAINTENANCE



# SCOPE FOR FUTURE DEVELOPMENTS

➤ Future Developments in the Fisheries sector of SVG will be improved by:

Quantity  
Fish Quality  
Education  
Training



# SCOPE FOR FUTURE DEVELOPMENTS

Fishing needs to be looked at as a business



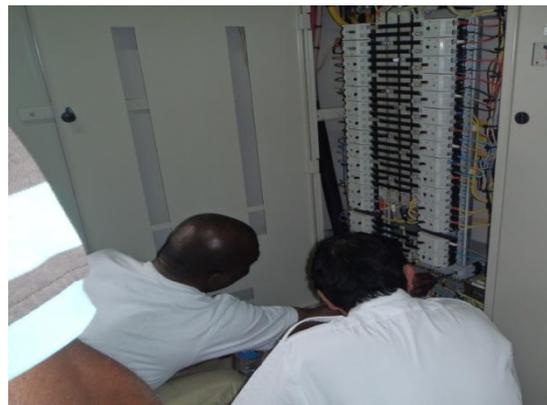
Fisheries related subjects and programs should be introduced and taught in the schools as new careers and opportunities



# SCOPE FOR FUTURE DEVELOPMENTS

## 1. Holistic training encompassing all aspects of the industry:

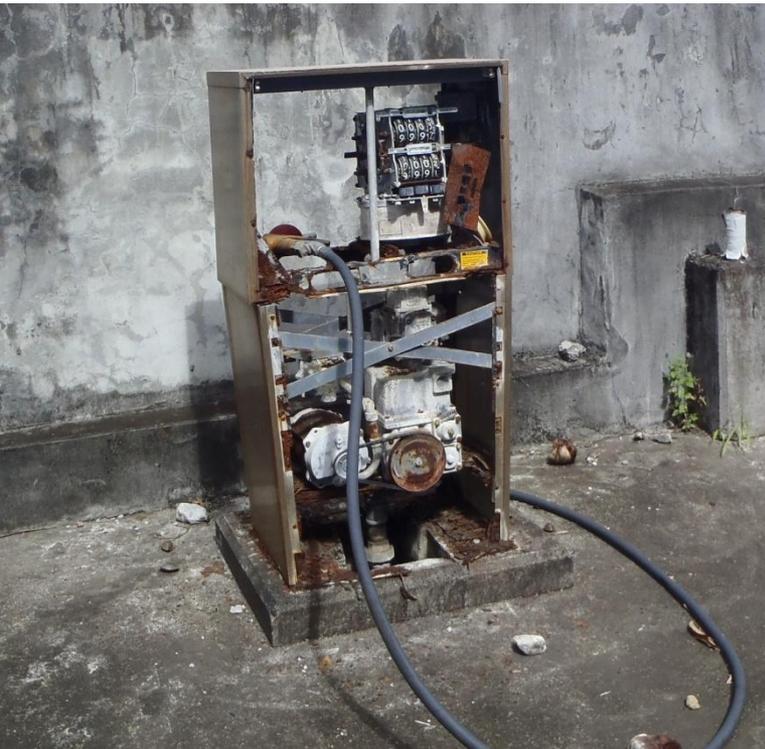
- Fishers exchange Programmes
- New technologies should be taken into account e.g. FAD fishing techniques, refrigeration technology,
- Institutional strengthening – Fisheries, NFO, Fishers, Co-op Dept, other stakeholders



# SCOPE FOR FUTURE DEVELOPMENTS

## 2. Upgrading of Fisheries Facilities

- Machinery – focus on energy efficient equipment to minimize high electricity cost
- Alternative energy source should be considered – Solar, etc.
- Infrastructure – use of good quality materials and products, salt air resistance
- Spare parts availability – Often difficulty to obtain



# **RECOMMENDATIONS FOR FUTURE DEVELOPMENTS**

- 3. Product Development Certification - to meet international standards - HACCP and FDA**
- 4. Monitoring and Evaluation of the Industry Performance – Succession Planning**
- 5. Project Planning**
- 6. Repairs and Better Management of Fisheries Facilities – yearly government budget allocation**
- 7. Succession Training**

**THANK YOU**



**ARIGATOU  
GOZAIMASU**

