



FAO's initiatives on Water Management in the Caribbean

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Outline

- FAO - What it is, what it does
- FAO's Regular Programme Activities
- FAO's Projects in the Caribbean



- In the United Nations system it is the lead agency for agriculture, forestry, fisheries and rural development.
- Its mandate to raise levels of nutrition and standards of living, to improve agricultural productivity, and to better the condition of rural populations.

FAO



what it is – what it does

- Advice to governments
- Development assistance
- Information
- Neutral forum

Water Resources, Development and Management Service

- Is concerned with sustainable use and conservation of water in agriculture.



Functions

- assesses water resources and monitors agricultural use;
- assists in water policy formulation
- promotes irrigated agriculture and efficient water use through management innovations, modernization and institutional reforms.
- collaborates with several other FAO units, in particular with the Development Law Service in rendering legal advisory services relating to the development, use and protection of freshwater resources.

Regular Programme Activities in the Caribbean

Recent and On-going Initiatives

- Water Harvesting (SKN) - LOA with Mc Gill University to conduct and assessment of water harvesting potential in St. Kitts
- National Medium Term Investment Policy Frameworks
- National Medium Term Investment Programme and Bankable Investment Portfolio Projects
- Upscaling Project
- Workshops (e.g. Water harvesting with CDB/IICA and Irrigation Scheduling with CRFSP)
- Best practices studies

Other Regular Programme Services

■ Databases

- CLIMWAT

Climwat is a climatic database to be used in combination with the computer program

- CROPWAT. It includes data from a total of 3262 meteorological stations from 144 countries.

- Database of institutions providing training

Finding suitable Education and Training Courses in Irrigation, Drainage and Flood Control.

- Online data by country on land and water (AQUASTAT)

The AQUASTAT database provides information on water and agriculture by countries organised by categories.

■ Documents and digital media series



FAO's Water Projects in the Caribbean

Past projects

- ✓ Antigua and Barbuda - TCP Project "Enhancement of Water Supply and Catchment Protection"
- ✓ Belize - TCP "Water Resources Management Policy and Legislation"
- ✓ "Enhancement of Sustainable Small-farming Food Production"
- ✓ Dominica - TCP - "Pre-Feasibility study of Small-Scale Irrigation"
- ✓ St. Lucia - TCP "Pre-feasibility study of Small Scale irrigation"
- ✓ Cuba - Apoyo a la producción de granos básicos

Feasibility Study for the Expansion of Small-Scale Irrigation Grenada

- Total Budget: US \$ 167,000 from FAO Technical Cooperation Programme Funds
- Aim: To increase domestic food production and reduce food importation through the formulation of a plan for the expansion of irrigation
- Pilots established in Calivigny and Pearls, Grenada

Feasibility Study for the Expansion of Small-Scale Irrigation Grenada

- Hydrological database incorporated in to national land and water resources information system
- Irrigation potential estimated and main areas for irrigation expansion identified
- Feasibility study of irrigation schemes conducted
- Plan of Action for implementation developed
- Training
- Participatory Rural Appraisal conducted to identify constraints to the formation of Farmers' groups and Water User's groups



On-going Projects

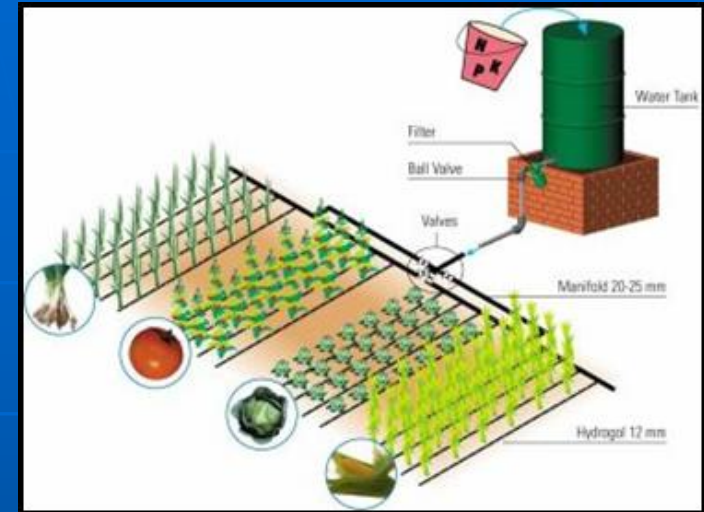
FAO CARICOM/CARIFORUM Food Security Project

- Three-year US\$ 4.98 million project funded by the Italian Trust Fund
- Goal - To improve the food security situation in the countries individually and collectively by improving the productivity and incomes of small holders, increasing the overall value and quality of agricultural produce traded and consumed
- Implemented in 13 countries
- Currently the single largest component being executed under the US\$26.1 million Caribbean Regional Special Programme for Food Security (CRSPFS)

CARICOM/CARIFORUM Food Security Project

3 Key Components

- Small Holder Enhancement
- Trade Facilitation
- Food Security Enhancement and Policy Integration



CARICOM/CARIFORUM Food Security Project



Small Holder Enhancement

Goals:

To increase productivity and overall crop production by extending the growing season using irrigation

To improve crop quality

To reduce cost of production

Activities:

Training of Farmers and Extension Officers
Establishment of Demonstration Plots emphasising
the adoption of water management techniques

210 demonstrations

2, 500 to 3, 000 farmers

US \$ 1,580,000



Study of Best Practices

incentives, water users' groups, public financed
irrigation systems, water information systems

Assistance to develop a National Agricultural Water Resources Information System

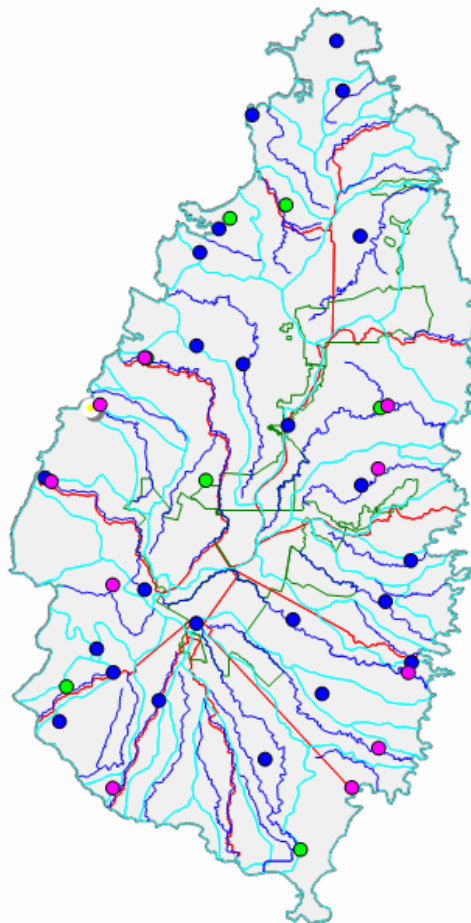
- Two year project US \$ 148,000
- Objectives:
 - To assist the Government in developing a properly functioning water resources information system;
 - to strengthen national capacities in data collection and management in support of decision making.

Project Outputs

- An assessment study of the performance and effectiveness of the existing water monitoring networks
- a fully functioning database of data and information on key hydrological variables, supported by adequately performing water data processing ;
- a functioning data exchange network between agencies involved in hydrological data collection, analysis, interpretation, publication and dissemination of reports of summary data
- an institutional framework for data collection developed.
- At least 20 staff members trained in database management; water use assessment; and hydrometeorology and water resources information system management;

Show All
Available Layers:

- WaterQuality
- ClimaticStation
- RainfallStation
- » ANSE LA RAYE [29-R-1]
- » BARRE DE LISLE [33-R-3]
- » BARTHE NURSERY [23-R-2]
- » BEXON [33-R-2]
- » BLANCHARD SCHOOL [14-R-1]
- » CANARIES [27-R-1]
- » CAP ESTATE [37-R-1]
- » DELCER SCHOOL [22-R-1]
- » DESRACHES [27-R-2]
- » EDMUND ESTATE [12-R-4]
- » ERRARD ESTATE [7-R-1]
- » GEORGE V PARK [34-R-2]
- » GOVERNMENT HOUSE [34-R-1]
- » GRACE [16-R-2]
- » MAHAUT ESTATE [12-R-2]
- » MAMIKU ESTATE [9-R-1]
- » MARQUIS BABONNEAU [4-R-2]
- » PATIENCE ESTATE [10-R-2]
- » RODNEY BAY [37-R-2]
- » SALTIBUS [21-M-1]
- » SOUCIS [33-R-1]
- » SOUFRIERE [25-R-2]
- » TROUMASSE ESTATE [12-R-1]
- » TROUYA [36-R-1]
- River
- Watershed
- ForestReserve
- Quarter



Time Series

Variable	
Daily Sample-Daily	
01-10-1968	30-09-1995
View Data as...	
Monthly Sample-Monthly	
01-01-1971	01-12-2000
View Data as...	
Hourly Sample-Hourly	
28-11-2000	22-05-2001
View Data as...	
Yearly Sample-Yearly	
01-01-1991	01-01-1995
View Data as...	
Instant Sample-Instant	
03-05-1940	31-08-1987
View Data as...	

Attached items

Name
Table Series - TableSeries Sample
View Data as...
Table - Table Sample
View Data as...
Attachment - Attach Sample
View Data as...

Object Info

Field	Value
ID RainfallStation	1
RainfallStation Code	29-R-1
RainfallStation Name	Anse La Raye
Type	Rainfall
Date Opened	1997
Watershed Name	Grande Riviere de Anse La Raye

Map Table Report Chart File Statistics Inventory

RainfallStation: ANSE LA RAYE

Layer: Object: Long: Lat: Tip:

FAO's Modalities for Assistance

- Regular Programme Budget
- Technical Cooperation Programme
 - TCP Projects
 - TCP Facility
- Trust Fund Projects
- Telefood Projects

FAO is ready to assist!!

Thank You