

# CAPACITY BUILDING WORKSHOP ON DATA RESCUE AND CLIMATE CHANGE INDICES

*'Harmonization of regional  
climate change initiatives'*

The University of the West Indies, Mona, Jamaica  
7-10 May 2012

Caribbean Community Climate Change Centre

# BRIEF OVERVIEW OF THE CENTRE

**THE CENTRE IS A CARICOM  
SPECIALIZED INSTITUTION WITH THE  
FOLLOWING MANDATE**

**To coordinate the regional  
response to climate change and its  
efforts to manage and adapt to its  
projected impacts.**

# Establishing the Climate Change Centre

**Recognizing the vulnerability to the impacts of climate change and climate variability on the economic development and social needs of the region:**

- **The Heads of Government of CARICOM at their annual meeting in July 2002, endorsed the creation of a permanent capacity in the region to address climate change issues with two primary mandates.**
- **The Centre became fully operational in July 2005 through supporting grants from the host country, Belize and the governments of Barbados and Italy**



U. Trotz CCCCC



## LEGAL STATUS

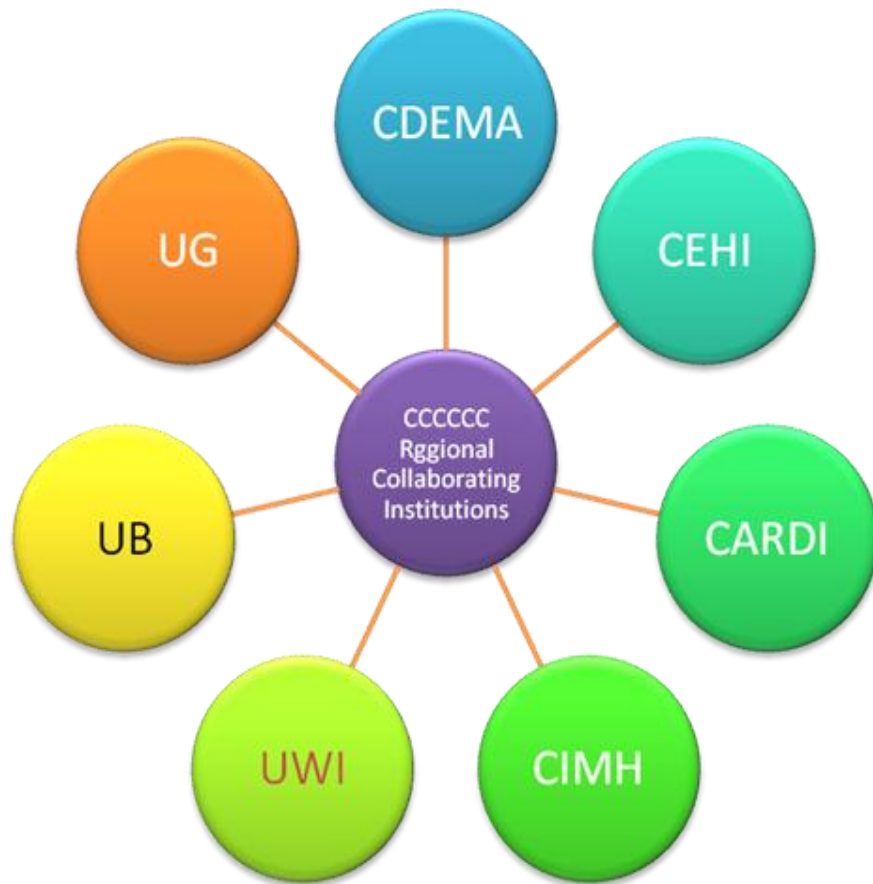
- The CCCCC is registered under the UN System as CARICOM Specialized Agency:
  - With its own juridical personality, and in particular, with full capacity to:
    - contract;
    - acquire and dispose of moveable and immovable property; and
    - institute legal proceedings.
  - It may enter into agreement with Members, third states and other International Organizations for the achievement of its objectives.
  - In any legal proceeding, the Centre shall be represented by the Executive Director.

# THE OBJECTIVES OF THE CENTRE

- **Promoting protection of the earth's climate system with special emphasis on the Caribbean**
- **Enhancing regional, institutional capabilities for the co-ordination of national responses to the adverse effects of climate change**
- **Providing comprehensive policy and technical support in the area of climate change and related issues and spearheading regional initiatives in those areas**
- **Promoting education and public awareness on climate change issues**
- **Facilitating regional consensus for negotiations related to the UNFCCC**



# COLLABORATING INSTITUTIONS



CARICOM Institution



International Institutions

# Financial Sustainability

- The Centre derives operational and research revenue through Grants and Project Execution Fees. Starting in 2005 the Centre has been or is currently the Executing Agency of the following projects:
  - 2005 -2006 PHRD (World Bank / Japanese project) ≈ US\$300K)
  - 2006 -2009 MACC (World Bank / GEF project) ≈ US\$6M)
  - 2007 – 2011 SPACC (World Bank / GEF project) ≈ US\$5M)
  - 2008 – 2011 UKDFID ECACC project for Overseas Territories (UK£300,000)
  - 2008 – 2010 UKDFID project for the development of a CC Strategic Framework for the Caribbean (UK£71,000)
  - 2008 - 2010 UNESCO IHP project for Jamaica and Trinidad (US\$160,000)
  - 2008 - 2012 Hellenic Grant for Regional CC projects (Euro 4 million)
  - 2010 - 2014 EU Grant for CARIFORUM CC projects (Euro 8 million)
  - 2011 – 2015 DFID grant for IP implementation
- Annual Government Grants
  - Belize (US\$75,000)
  - Barbados (US\$30,000)
  - Greece (US\$160,000)





# ON-GOING ACTIVITIES OF THE CENTRE

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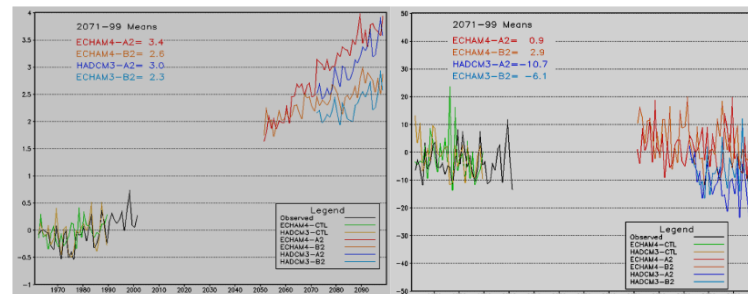
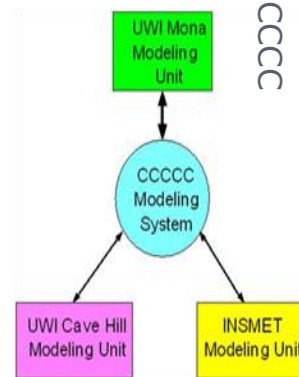
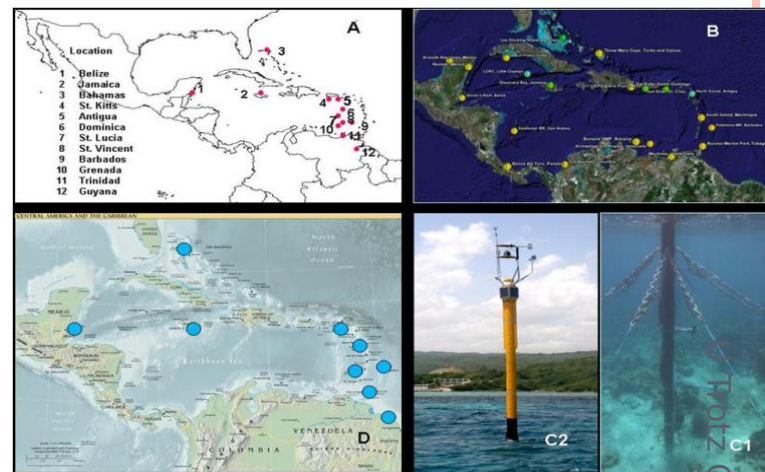
# ACTIVITIES OF THE CENTRE

- **Assessment of existing global circulation models and development of a downscale tool for application in the Caribbean;**
- **Development of an Economic Assessment Tool to assess adaptation measures;**
- **Promotion of Regional symposia, workshops and Capacity building programmes.**
- **Collaborating with regional and extra-regional institutions in climate change-related research in biodiversity and land use management**



# SOME ACTIVITIES OF THE CENTRE

- Establishing a regional network of stations for:
  - the collection, analysis, and dissemination of hydro- meteorological and sea-level data relevant to the observation of climate change, and
  - the measurement of climate change-related impact on potentially vulnerable sectors of the region's economies, such as agriculture, health, tourism, etc.
- Modeling likely future climates of the region
- Conducting Vulnerability Country Assessment studies
- Developing National Adaptation Strategies for the following sectors:
  - Water (Belize, Jamaica, Saint Vincent)
  - Agriculture (Guyana)
  - Tourism (Barbados)
  - Health (Regional)
  - Tourism (Barbados)
  - Health (Regional)



# ATMOSPHERIC MODELING ACTIVITIES

- The GCM's resolution of 300 km cannot resolve the small islands of the Caribbean.
- The Centre is collaborating with other institutions in the use of downscaling regional models to look at future climate scenarios.
- Collaborating Institutions include:
  - Hadley Centre
  - University of the West Indies
  - INSMET in Cuba
  - Japan Earth Simulator Facility
  - CATHALAC in Panama



# SOME ACTIVITIES

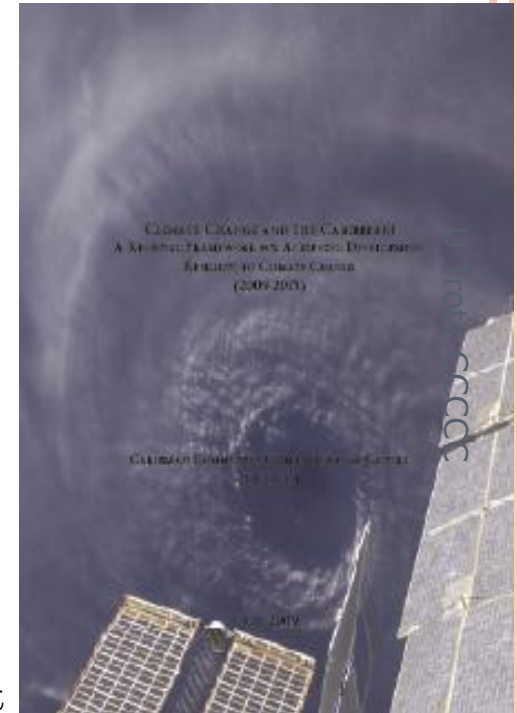
- Workshop on use of Biophysical Models for Climate Impact Studies in Agriculture- 17<sup>th</sup>-28<sup>th</sup> August 2009
- The main objectives of the workshop were:
  - To train agricultural professional staff from CARDI in the use of modern tools for Vulnerability and Adaptation to Climate Change in the field of agriculture
  - To develop a cadre of expertise within CARDI to support the practical implementation of disaster risk reduction and climate change adaptation activities in the agricultural sector.

# SOME ACTIVITIES

- Updating of Meteorological stations on all CARDI field stations and selected national systems – Automatic Weather Stations
- Rainfall Analysis for On-Farm Applications
- Support for participation in regional capacity building in area of utilisation of regional climate models.
- Training in agricultural practices which can aid adaptation to climate change.

# CARICOM REGIONAL FRAMEWORK

- ❑ 2007 - CARICOM Heads of Government ask CCCCC to develop the regional climate change strategy
- ❑ 2009 – “*A Regional Framework for Achieving Development Resilient to Climate Change*” 2009-2015’ approved by the CARICOM Heads of Government
- ❑ Five strategic elements and supporting goals:
  - Mainstreaming CC into sustainable development
  - Develop systems and actions to reduce vulnerability
  - Implement priority adaptation measures - water supply, coastal and marine infrastructure
  - Forest and wetland management
  - Renewable energy and efficiency





# IMPLEMENTATION PLAN (IP)

- 2010 - Heads of Government tasked CCCCC to develop the IP for the Regional Strategy.
- IP developed through an extensive National/Regional consultative process with all 15 CARICOM countries – public and private sector, civil society, NGOs, donor agencies.
- DFID/CDKN support was critical.
- Endorsed at COTED & Community Council.
- Endorsed by Heads at their intersessional meeting in April 2012.





# IMPLEMENTATION PLAN

- ❑ Guides actions for each strategic element and goal area of the Regional Framework
- ❑ Considers roles and co-operation between regional organisations and national governments.
- ❑ Proposes '**three-ones**' approach to assist in resource mobilisation and co-ordination
  - ❑ **One plan**
  - ❑ **One co-ordinating mechanism**
  - ❑ **One monitoring and evaluation framework**
- ❑ Based on PANCAP



Thank You