

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

# Lessons from the PRECIS Caribbean Climate Change Project

**A regional collaborative  
initiative**



**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **Knowledge Gap**

How will climate change manifest itself in the region?

Will a future Caribbean climate be:

- Hotter/Cooler?
- Wetter/Drier?

Important (we feel) if we are to address vulnerability and adaptation.

Problem

Solution?

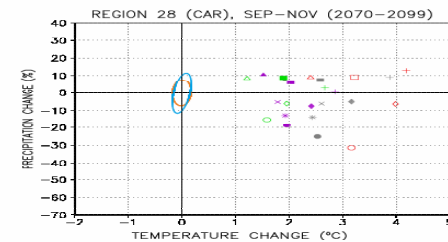
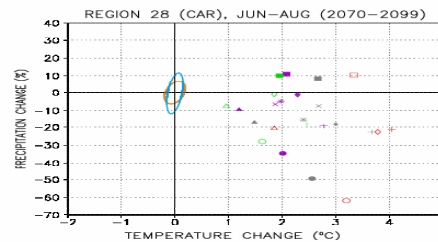
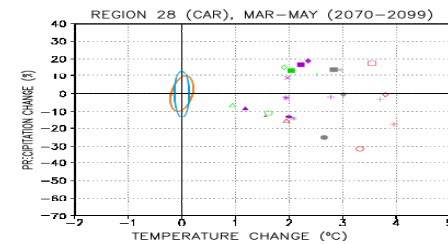
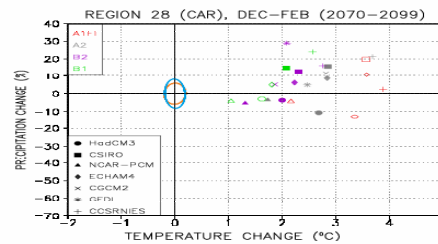
Lessons

Success?

Finally

# Knowledge Gap

Data exist, to some extent, but not on the scale to address climate change in SIDS.



Problem

Solution?

Lessons

Success?

Finally

## Using our resources

- Regional climate research centres exist with expertise and capabilities to produce missing info.
- Task them to do work?
- Hadley Center, UK, just releasing PRECIS regional modelling system. Seeking regional collaborators. *One more tool* for filling in data gap.

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **5 PRECIS Caribbean Lessons**

**Lesson 1:**  
**Collaborators must own the problem**

Regional research centres will be identified, which are committed to the problem, and which if equipped, will be motivated to tackle the problem.

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **5 PRECIS Caribbean Lessons**

### **Lesson 2:**

**Collaborators must be willing to share a piece of the problem.**

The regional research centres will realise the importance of being a part of a process. They will share the task of producing relevant regional climate scenarios among them.

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **5 PRECIS Caribbean Lessons**

### **Lesson 3:**

**Collaborators must be equipped to solve their piece of the problem.**

The regional research centres will be appropriately equipped to tackle the problem (model, infrastructure, etc.).

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **5 PRECIS Caribbean Lessons**

### **Lesson 4:**

**There must be joint ownership of the results amongst collaborators.**

The regional research centres must possess a willingness to share the results of their efforts among them.

Problem

Solution?

Lessons

Success?

Finally

## 5 PRECIS Caribbean Lessons

### Lesson 5:

**Collaborators must never lose sight of the wider purpose for their work.**

The regional research centres must possess a willingness to share the results of their efforts with the wider community (scientific and non-scientific). Motivation through service.

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **Regional Centres**

3 Research Centres in three countries:  
Barbados, Cuba, Jamaica, Trinidad &  
Tobago undertook the project:

- Cuba (INSMET)
- Barbados (UWI)
- Jamaica (UWI)

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## Shared Tasks

All centres run common domains.

Cuba and Jamaica: 50 km;  
Caribbean, central America.

Barbados: 25 km; Eastern  
Caribbean

Between all centres, run baselines;  
and SRES A2 (high emissions) and  
B2 (medium-low) scenarios.

Produce 30 year time slice of future  
Caribbean (2070-2100)

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## Equipping the Centres

Caribbean Community Climate Change Centre (CCCCC) and Cuban Institute of Meteorology (INSMET)

Leveraged funding from Japanese Trust (World Bank); MACC (GEF); CRMI; UNDP (Cuba)

Facilitated variety of needs (computers, training, workshops for discussion)

Hadley Centre, UK

model, data, training

Met Services (data providers)

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **P4 - Shared Results**

Never an unwillingness

Shared more than results –  
experiences, frustrations, region  
specific solutions (especially storage),  
problem solving and analysis  
techniques

Problem

Solution?

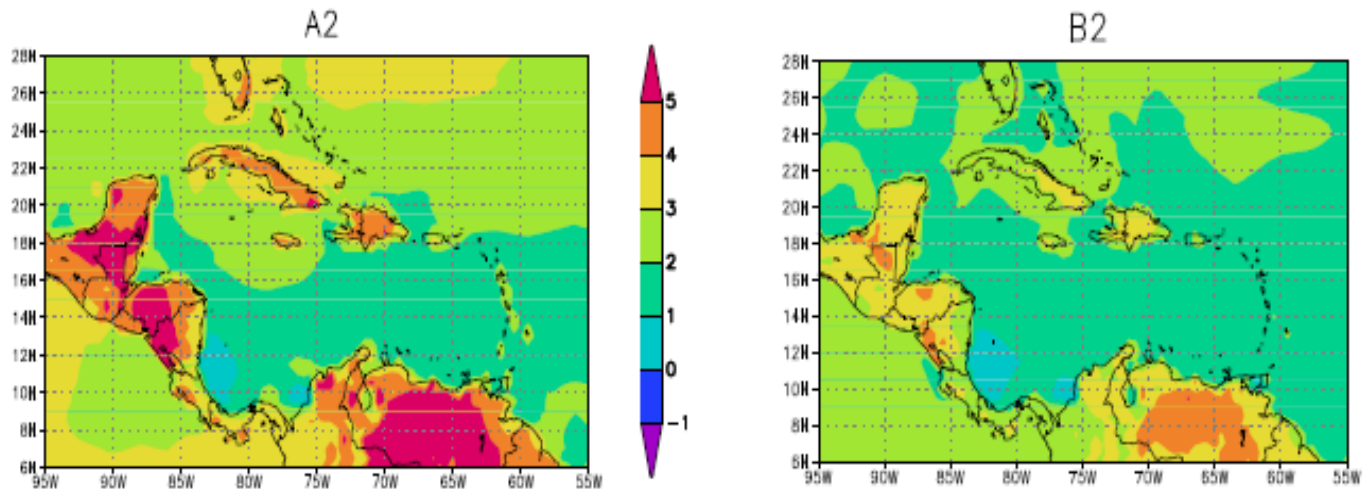
Lessons

Success?

Finally

# P4 - Shared Results

Change Temperature (Annual mean) – 2080s



Problem

Solution?

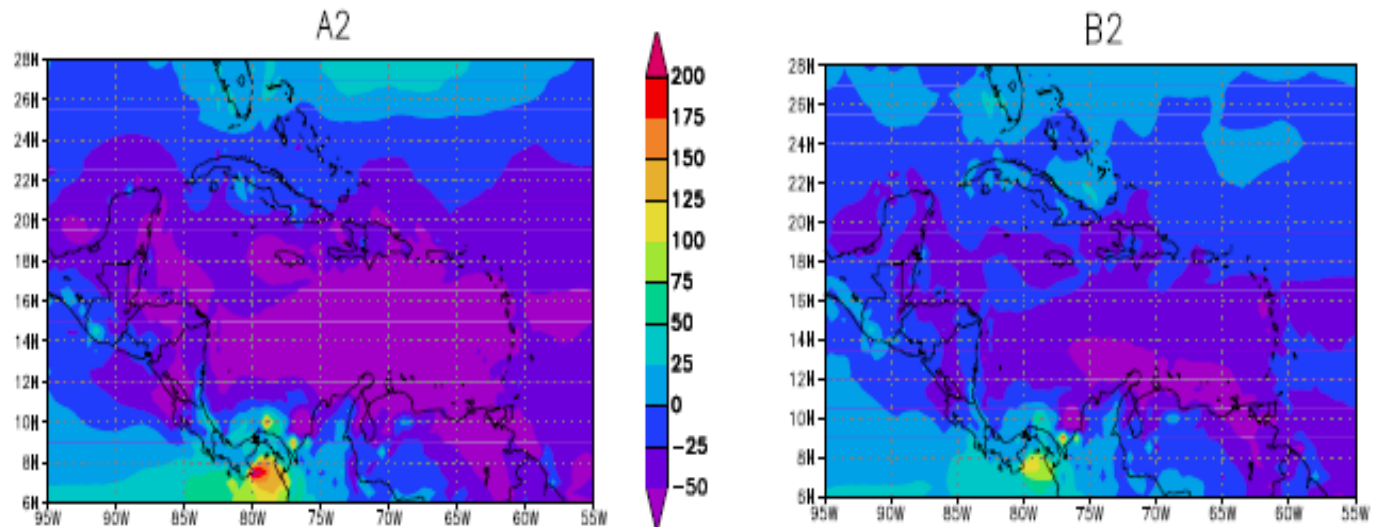
Lessons

Success?

Finally

# P4 - Shared Results

% Change Precipitation (Annual mean) – 2080s



Problem

Solution?

Lessons

Success?

Finally

## P5 - Disseminate Results

Commitment to sharing the results

- \* PRECIS CARIBE Website

<http://precis.insmet.cu/Precis-Caribe.htm>

- \* Project Reports

*Glimpses of the Future*

- \* Scientific Papers

- \* Workshops

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

## **Other Lessons of Collaboration**

- \* Value in sharing experiences
- \* Process of getting usable results sped up considerably
- \* Capacity/expertise is spread/developed in each research centre
- \* Knowledge is decentralized
- \* Collaboration begets collaboration
- \* Motivation

**Problem**

**Solution?**

**Lessons**

**Success?**

**Finally**

# Challenges

- Geographical divide
- Funding