



CSGM
CLIMATE STUDIES GROUP MONA



IDB
Inter-American
Development Bank



**BUILDING CLIMATE
CHANGE RESILIENCE**

**INNOVATIVE TOOLS:
EMERGING DIGITAL
APPLICATIONS IN
CLIMATE-SMART
AGRICULTURE**

JANUARY 11-13, 2022



REGIONAL CLIMATE RESILIENCE WORKSHOP

THE CONTEXT

The Agriculture Sector in Jamaica and the wider Caribbean is inherently vulnerable to climate. The holdings are small, very heavily reliant on rainfall, susceptible to droughts, and have limited investment in heat and drought-tolerant crops. Further, the general absence of site and varietal specific yield, results in manual approaches to yield optimization and to investigating the impacts of agroecology on production. The ACCEPT Agri portal is an online platform developed under the National and Regional tranches of the PPCR that allows for customized assessment of yield potential. The portal is based on the Decision Support System for Agro-technology Transfer (DSSAT) which runs in the background. Through an interactive geo-referenced map, user-defined crop management information, site weather and soil, site specific yield information can be accessed in graphical and tabular formats. The portal was developed under the National and Regional tracks of the Pilot Program for Climate Resilience (PPCR) and updated with support from the CCRIF.

THE OBJECTIVES

- To build awareness of climate resilience options in the Caribbean Agriculture Sector;
- To demonstrate the value-added of crop simulation Modelling;
- To provide hands-on training in the use of e-solutions for climate resilience: ACCEPT Agri, C-SAC, Artificial intelligence and reef modeling
- Evaluation of Caribbean climate (Resilience) service products for the Agriculture Sector
- To explore options for financing Caribbean Climate resilience

CONTACT

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CROP MODELLING

DAY 1 : JANUARY 11, 2022

8:00 - 9:00 AM	Opening Ceremony	Steve Maximay UWI, IDB/PPCR, CCRIF SPC
9:00 - 9:20 AM	Break	
9:20 - 9:40 AM	Logistics for Workshop and Introduction of Participants	Tracia Johnson-Blair
9:40 - 10:35 AM	Module 1: Climate Change and Agriculture and the 1.5 Dilemma: What is Really at Stake?	Michael Taylor/ Tannecia Stephenson
10:35 - 10:50 AM	Exercise 1: Are You Climate Smart?	Jayaka Campbell
10:50 - 11:30 AM	Module 2 Introduction to Crop Modelling	Dale Rankine
11:30 - 12:00 PM	Break	
12:00 - 1:00 PM	Exercise 2: Can You Optimise Your Yield?	Dale Rankine/ Jayaka Campbell
1:00 - 1:45 PM	Module 3: Caribbean Climate Services Products for Agriculture in Jamaica and the Wider Caribbean	CIMH Glenroy Brown MetService Jamaica
1:45 - 2:15 PM	Exercise 3: Are we in Jeopardy?	Tracia Blair Johnson

CONTACT

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ARE YOU CLIMATE SMART?

DAY 2 : JANUARY 12, 2022

8:00 - 8:15 AM	Welcome and Opening Remarks	Dale Rankine
8:15 - 9:15 AM	Panel Discussion: Financing Climate Resilience - Possible or Hyped Dream?	IDB, PIOJ, GCF, CCRIF SPC
9:15 - 10:00 AM	Module 4: Characterizing Environmental Heat Stress on Livestock - Temperature Humidity Index	Jane Cohen
10:00- 10:40 AM	Module 5: The Impact of Heat Stress on Caribbean Livestock - The Lived Experience	Cicero Lallo
10:45 - 11:30 PM	Exercise 4: Using the THI to Characterize Heat Stress - Proposing remedial actions	Jane Cohen/ Dale Rankine/ Cicero Lallo
11:30 - 12:00PM	Break	
12:00- 12:45PM	Module 6: Building Resilience in the Fisheries Sector: Opportunities for integrating digital technologies	Shelly-Ann Cox
12:45 - 1:05 PM	Understanding the Climate Smart Dilemma	Steve Maximay
1:05 - 1:55 PM	Module 7: Demonstrating the C-SAC Tool Hands-On Applications	Steve Maximay
1:55 - 2:40 PM	Module 8: Towards an All-Platform all Devices Application for Evaluating and Certifying Climate Smart Agriculture	Jayaka Campbell/ Theodore Wynter

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INNOVATIVE CARIBBEAN IMPACT ASSESSMENT TOOLS

DAY 3 : JANUARY 13, 2022

8:00 - 8:15 AM	Welcome & Opening Remarks	Tannecia Stephenson
8:15 - 10:15 AM	Impact Assessment Tools - SMASH, Real TMS	Theodore Wynter/ Jayaka Campbell
10:15 - 11:00 PM	Introduction to the DSSAT Software	Dale Rankine
11:00 - 11:45 AM	ACCEPT - DSSAT Made Simple	Theodore Wynter/ Jayaka Campbell
11:45- 12:15 PM	Break	
12:15 - 12:30 PM	Review - Final Jeopardy	Jakaya Campbell/ Fradian Murray
12:30 - 1:30 PM	Workshop Assessment	Dale Rankine
1:30 - 1:45 PM	Vote of Thanks	Erica Haughton
1:45 PM	Issuance of Certificates of Completion and Closure	Michael Taylor Tannecia Stephenson



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