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Theme:
“Mitigating Climate Change Effects to Ensure Food Security”

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EDITOR-IN-CHIEF

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# 31\textsuperscript{st} WEST INDIES AGRICULTURAL ECONOMICS CONFERENCE

August 9-14, 2015  
The Buccaneer Hotel

**THEME: MITIGATING CLIMATE CHANGE EFFECTS TO ENSURE FOOD SECURITY**

## PROGRAM

### SUNDAY – AUGUST 9, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>1:00 pm – 4:00 pm</td>
<td>Registration</td>
<td>The Brass Parrot, Buccaneer Hotel</td>
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### MONDAY – AUGUST 10, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:30 am – 4:30 pm</td>
<td>Registration</td>
<td>The Brass Parrot, Buccaneer Hotel</td>
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### SESSION 1 – Opening Ceremonies

- **Master of Ceremonies**
  - Mr. Kofi Boateng  
    - Associate Director and Assistant Professor  
    - UVI/Cooperative Extension Service

- **REMARKS**
  - Mr. Kwame Garcia Sr.  
    - State Director and Assistant Professor  
    - UVI/Cooperative Extension Service
  - Robert W. Godfrey, PhD  
    - Director and Professor, Animal Science  
    - UVI/Agricultural Experiment Station
  - The Honorable Beverly Nicholson-Doty  
    - Commissioner, VI Department of Tourism
  - The Honorable Neville James  
    - Senator and President  
    - 31\textsuperscript{st} Legislature of the US Virgin Islands
The Honorable Carlos Robles  
Commissioner  
VI Department of Agriculture

David Hall, SJD  
President, University of the Virgin Islands

Carlisle Pemberton, PhD  
President, Caribbean Agro-Economic Society

The Honorable Kenneth E. Mapp  
Governor, US Virgin Islands

10:30 am – 11:00 am  
Morning Break

SESSION 2 – Improvements to Value Chains
Moderator: Edmund M. Tavernier

11:00 am – 11:30 am  
2.1 Global Value Chains and Trade in Value Added: Assessing the US Corn and Soya Contribution into the Caribbean Poultry Industry  
Scott Mahadeo, Govind Seepersad, Ardon Iton

11:30 am – 12:00 pm  
2.2 Local Food Systems: U.S. Perspectives and Opportunities across the Caribbean  
Ronald L. Rainey

12:30 pm – 1:30 pm  
Lunch Break
### SESSION 3 – *Sustainability Issues*
**Moderator: Hazel Patterson-Andrews**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 pm – 2:00 pm</td>
<td>3.1 Comparing the Volatility of the International Prices of Cocoa, Coffee and Oil</td>
<td>Carlisle Pemberton, Afiya De Sormeaux, Hazel Patterson-Andrews</td>
</tr>
<tr>
<td>2:00 pm – 2:30 pm</td>
<td>3.2 Socioeconomic Factors Affecting Household Food Expenditure in North Trinidad</td>
<td>Vidwatee Ramdhanie, Carlisle Pemberton, Isabella Francis-Granderson</td>
</tr>
<tr>
<td>2:30 pm – 3:00 pm</td>
<td>3.3 <strong>VIDEO</strong> – Meeting the Challenges of an Invasive Alien Species: The Case of Citrus Greening Disease in the Belize Citrus Industry</td>
<td></td>
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<tr>
<td>3:00 pm – 3:30 pm</td>
<td>Afternoon Break</td>
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### SESSION 4 – *Natural Resources and Disasters*
**Moderator: Deacue Fields**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenters</th>
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</thead>
<tbody>
<tr>
<td>3:30 pm – 4:00 pm</td>
<td>4.1 Supply of Industrial Round-Wood in Caribbean and Central American Countries</td>
<td>Carel Ligeon, Curtis M. Jolly</td>
</tr>
<tr>
<td>4:00 pm – 4:30 pm</td>
<td>4.2 Socioeconomic Assessment of Natural Disasters in the Caribbean Region: The Case of Grenada’s Nutmeg Industry</td>
<td>Govind Seepersad, Ardon Iton, Nkosi Felix, Faraad Hosein</td>
</tr>
<tr>
<td>6:30 pm</td>
<td>Bus Departure from Buccaneer Hotel Lobby to Government House</td>
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<tr>
<td>7:00 pm – 10:00 pm</td>
<td>Welcome Reception</td>
<td>Government House</td>
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</tbody>
</table>
8:30 am – 4:30 pm  Registration

SESSON 5 – Novel Methods for Addressing Climate Change Challenges
Moderator: Govind Seepersad

9:00 am – 9:30 am  5.1 Elements of a Sound Online Education Program
Edmund M. Tavernier

9:30 am – 10:00 am  5.2 A Modeling Framework for Designing Innovative
Sustainable Agricultural Land Systems: Application to Guadeloupe
Pierre Chopin, Jean-Marc Blazy, Loïc Guindé, Thierry Doré

10:00 am – 10:30 am  5.3 Economics of Soil Conservation Practices in Northern Haiti
Sènakpon. E. H. Kokoye, Curtis M. Jolly, Budry Bayard, Dennis Shannon, Joseph J. Molnar, Philippe Mathieu

10:30 am – 11:00 am  Morning Break

SESSON 6 – Novel Methods for Addressing Climate Change Challenges (cont’d)
Moderator: Isabella Francis-Granderson

11:00 am – 11:30 am  6.1 Site Suitability Model for Haitian Blue Coffee using Spatial Multi-Criteria Decision Analysis (SMDA)
Shivani Seepersad, Roselin Moncher, Govind Seepersad

11:30 am – 12:00 pm  6.2 Are the Caribbean Ocean Areas Within Their Exclusive Economic Zones Healthy?
Curtis M. Jolly, Carel Ligeon, Pauline E. Jolly

12:00 pm – 12:30 pm  6.3 Climate Change and Adaption Measures: The Road to Increase Food Security in The Bahamas
Erecia Hepburn

12:30 pm – 1:30 pm  Lunch Break
SESSION 7 – Climate Change Effects
Moderator: Erecia Hepburn

1:30 pm – 2:00 pm
7.1 The Impact of Hurricane Sandy (2012) on Local Farmers in The Bahamas
   Brendan Toote

2:00 pm – 2:30 pm
7.2 The Environmental Impact of El Nino Southern Oscillation Forecasts
   Ermanno Affuso

2:30 pm – 3:00 pm
7.3 Towards a Regional Approach for Animal Health Services Provision and Disaster Risk Reduction: The Economics of the CaribVET Network

3:00 pm – 3:30 pm
Afternoon Break

SESSION 8 – Improvements to Value Chains (cont’d)
Moderator: Winston Ramautarsingh

3:30 pm – 4:00 pm
8.1 Developing Food Value Chains to Meet Tourism Demand in the Caribbean
   J.R. Deep Ford, Ekaterina Dorodnykh

4:00 pm – 4:30 pm
8.2 Addressing Agricultural Development, Food and Nutrition Security in the Caribbean: Lessons from the Cassava Value Chain
   J.R. Deep Ford, Ekaterina Dorodnykh

4:30 pm – 6:30 pm
CAES GENERAL MEETING
WEDNESDAY – AUGUST 12, 2015

SESSION 9 – University of the Virgin Islands
Albert A. Sheen St. Croix Campus
North West Wing Great Hall

8:15 am
Bus Departure from Buccaneer Hotel to UVI

9:00 am – 10:45 am
Special Institutional Session

Virtual Presentation - Mr. Kervin Stephenson
Regional Project Specialist
Inter-American Institute for Cooperation on Agriculture (IICA)

Experiences of the Inter-American Institute for Cooperation on Agriculture in Delivering its Technical Cooperation Programmes in Trinidad and Tobago and the Region

Mr. Edric Harry
Policy Analyst and Planning Specialist
Inter-American Institute for Cooperation on Agriculture (IICA)

VIDEO 1: Ag-Technology

VIDEO 2: Re-Engineering the Caribbean Citrus Industry

10:45 am – 11:00 am
Morning Break

EDUCATIONAL TOURS

11:00 am – 12:30 pm
Campus Tour - UVI/Agricultural Experiment Station/
Cooperative Extension Service

12:30 pm – 1:30 pm
Lunch Break

1:45 pm – 2:25 pm
Estate Whim Museum

2:40 pm – 3:15 pm
Tropic Hydroponic Farm

3:30 pm – 4:30 pm
Captain Morgan (Diageo) Rum Distillery
EDUCATIONAL TOURS

WEDNESDAY – AUGUST 12, 2015

UVI COOPERATIVE EXTENSION (CES)

The Cooperative Extension Service (CES) helps carry out the Land-Grant functions of the University. Through the federal network of the Land Grant University System, CES is federally empowered as an agency for public education and information dissemination. It is dedicated to delivering research-based educational programs and information that addresses critical issues affecting families, individuals and the local community. CES carries out programs in agriculture and natural resources, 4-H, family and consumer science, information technology, and communications.

UVI/AGRICULTURAL EXPERIMENT STATION (AES)

The UVI/Agricultural Experiment Station (AES) conducts basic and applied research to help farmers increase production, develop new enterprises, and protect the natural resource base. AES has research programs in animal science, aquaculture, biotechnology, forage agronomy, as well as fruit, ornamental, and vegetable crops.

ESTATE WHIM MUSEUM

With its slave quarters, Great House, mill and factory complex, Whim is the only sugar plantation museum in the Virgin Islands. Each year, thousands visit the 12-acre site, where the restored 18th century buildings stand as a testament to the skills and labor of enslaved Africans and the hopes and dreams of Europeans seeking wealth in the "sugar islands" of the Caribbean.

TROPICS HYDROPONIC FARM

The farm is owned and run by Brian McCullough, who specializes in growing Bibb lettuce and varieties of vine-ripened tomatoes. The farm grows plants primarily in covered, spaced-in containers without soil. Plants receive all of their nutrition from water, enriched with nutrients and micro-nutrients. They also grow cucumbers, zucchini and cantaloupe.

CAPTAIN MORGAN (DIAGEO) RUM DISTILLERY

Diageo’s Captain Morgan’s Rum Distillery and Visitor Center is a central part of several tourist initiatives on the Island of St. Croix and the latest connection to St. Croix’s long agricultural history dominated by the production of sugar cane and rum. The distillery is a global leader among premium spirits producing the second leading rum in the world.
SESSION 10 – VIRGIN ISLANDS SESSION
AGRICULTURAL ECONOMY IN THE U. S. VIRGIN ISLANDS

Moderator: Frank Mills, PhD
Vice Provost, Research and Public Service
University of the Virgin Islands

9:00 am – 9:20 am  The Honorable Carlos Robles
Commissioner
VI Department of Agriculture

9:20 am – 9:40 am  Robert Godfrey, PhD
Research Director and Professor
UVI/Agricultural Experiment Station

9:40 am – 10:00 am  Mr. Kwame Garcia, Sr.
State Director and Assistant Professor
UVI/Cooperative Extension Service

10:00 am – 10:20 am  Sommer Sibilly-Brown
Founder and Executive Director
Virgin Islands Good Food Coalition

10:20 am – 10:40 am  Dale and Yvette Brown
Sejah Farms
St. Croix, US Virgin Islands

10:40 am – 11:10 am  Morning Break

11:10 am – 11:40 am  V.I. Montessori School (4-H Club) Students
Peter Gruber International Academy Students
Charlotte Amalie High School Music Technology and 4-H Club
Ivanna Eudora Kean High School FFA Chapter
Youth member of the vocational training program at My Brother's Workshop
Agro-Economic activities that lead to increased sales of healthy, food including freshly grown leafy greens, farm-raised tilapia and whole wheat baked goods.
Nate Olive, MA, PDC. Phd Candidate, Ridge to Reef
Director, Frederiksted, St. Croix, Serving the US Virgin Islands.
Ridge to Reef Farm
11:40 am – 12:00 pm  Open Discussion

12:30 pm – 1:30 pm  Lunch Break

SESSION 11 – Trade Issues
Moderator: Carel Ligeon

1:30 pm – 2:00 pm  11.1 Analysing Bilateral Trade using the Gravity Equation: Ex-Post Analysis of the Top Four African Exporting Countries to Europe
Nkosi Felix, Govind Seepersad, Edward Evans

2:30 pm – 3:00 pm  11.2 Assessing the Impact of Tariff Removal on Africa’s Net Trade with the European Union
Nkosi Felix, Govind Seepersad, Edward Evans

3:00 pm – 3:30 pm  Afternoon Break

SOCIETY BANQUET – Mermaid Restaurant

6:00 pm – 7:00 pm  Cocktail Reception

7:00 pm – 9:00 pm  Dinner

KEYNOTE SPEAKER
The Honorable Stacey Plaskett
VI Delegate to Congress and Member, House Committee on Agriculture
SESSION 12 - SYMPOSIUM II – Fostering Caribbean Food Security  
Moderator: Curtis M. Jolly

9:15 am – 9:30 am  
12.1 An Assessment of the Household Food Security Status and Local Foods Grown in Rural Bahamas  
Jeri L. Kelly, Carlisle Pemberton

9:30 am – 9:45 am  
12.2 Stakeholders’ Perceptions of the Impacts of Community-Based Tourism Events in Saint Lucia: A Case of the Fish Fry Events  
Titus Mathurin, Sharon D. Hutchinson, Martin Franklin, Carlisle Pemberton

9:45 am – 10:00 am  
12.3 Satisfaction and Quality of Housing among Older Persons in Rural Trinidad  
Isabella Francis-Granderson, Carlisle Pemberton, Afiya De Sormeaux

10:00 am – 10:15 am  
12.4 Does Gender Play a Role: Determinant of Food Security among Low Income Household Families in North East Trinidad  

10:30 am – 11:00 am  
Morning Break

11:00 am – 12:00 pm  
Discussion & Resolution

12:00 pm – 12:30 pm  
CLOSING CEREMONY

12:30 pm – 1:30 pm  
Lunch Break

RESOLUTION of Symposium I

From the AAEA/COSBAE/CAES/SRMEC Pre-Conference Symposium held in 6th July, 2014 in St. Thomas, US Virgin Islands

Be it resolved that given the prolonged lack of development in agriculture in the Caribbean especially smaller islands that the Forum continue as an agency for agricultural development and to convey to policy makers recommendations for the development of agriculture in the Region through research and presentations of Policy documents to regional governments.