



Organization of
American States
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Executive Secretariat for Integral Development
Department of Sustainable Development

Sustainable Cities Course, 13th Edition
Wednesday May 31-Saturday June 3, 2017

Clarence Fitzroy Bryant College
St. Kitts-Nevis

COURSE OUTLINE

Background

The Americas has the highest rate of urbanization in the world at 80%. In kind, up to 75% of CO₂ emissions emanate from cities. Rapid urbanization poses numerous challenges including declining infrastructure, rising energy demand, lack of adequate waste management systems, congestion and air pollution, and increased vulnerability to natural disasters. With the goal of promoting greater hemispheric cooperation to address these challenges, the Permanent Mission of the United States to the Organization of American States (OAS) was pleased to partner with the OAS in 2013 to launch Sustainable Communities in Central America and the Caribbean. The program includes technical assistance and competitive small-grants that supports 24 community-level demonstration projects in 10 countries and has trained over 1,000 government officials and civil society representatives through the implementation of 4 to 8 day Sustainable Cities Courses.

Project Components

Component 1: Strengthen sub national dialogue, capacity building, and peer learning on sustainable urban development and municipal governance.

Component 2: Facilitate knowledge sharing and lessons learned from U.S. supported sustainable city demonstration projects in the Americas.

Component 3: Showcase and demonstrate the utility of advanced technologies that contribute to urban sustainability.

Component 4: Award USD\$40,000-\$50,000 matching grants to Public Private Partnerships to enhance implementation of 24 subprojects and community collaborative partnerships for sustainable cities/communities.

Pilot Projects in St. Kitts and Nevis

Resilience to Natural Hazards: Implemented by Hope Nevis, the project seeks to build community resilience to drought, flooding and other natural hazards in one community in each of Nevis' five parishes by implementing sustainable preventative practices to safeguard the communities from hazards and equip the local population with the knowledge and technical skills to prepare, respond to and minimize the fallouts from natural and human induced hazards.

Sustainable Transport Solutions: The Clarence Fitzroy Bryant College completed the Sustainable Transportation for St. Kitts-Nevis with the use of facilities for non-motorized modes in Basseterre City. Develop a database for transportation statistics to inform policy and forecast needs to avoid potentially costly mitigation measures. Formulate a Transportation Plan as an element of the General Plan Framework or Master Plan for the country and implementation framework for re-distribution of mode share, with emphasis on reducing traffic congestion, pollution, and cost to commuters.

With the objective of highlighting advancements in sustainable communities, the Organization of American States (OAS), with funding from US/OAS, in partnership with the Government of St Kitts Nevis has organized a Sustainable Cities course for a group of urban and social transformation professionals. The Sustainable Cities course provides an integral overview of the different aspects that contribute to building sustainable communities, targeting different topics emanating from the First Summit on Sustainable Development in the Americas held in Santa Cruz de la Sierra in December 1996. In this context, section II.3 Sustainable Cities and Communities recognized:

- The incorporation of the poorest and most disadvantaged sectors of the population into the productive process by, inter alia, creating jobs through public and private investment and expanding and enhancing access to credit and to environmentally sound technologies;
- Growth in job creation in small and micro-enterprises by simplifying paperwork, bureaucracy, and operations that affect them and by promoting the economic competitiveness and environmental efficiency of these production units in urban as well as rural areas;
- Narrowing of the housing unit gap and expansion of basic infrastructure services through a comprehensive approach to the problem of rapid urban growth, including the use of clean, safe technologies;
- Promotion of the quality of life in cities and communities, taking into account their spatial, economic, social, and environmental circumstances; and
- Assurance of the most efficient and least polluting industrial and transportation practices so as to reduce adverse environmental impact and promote sustainable development in cities and communities.

Course Objective

To provide theoretical and practical knowledge of the different elements that contribute to the development of sustainable cities to government officials and members of civil society involved in planning processes and urban development.

Specific Objectives

- To provide state of the art knowledge of the set of systems involved in the urban setting combining social and physical science approaches;
- To analyze case studies and identify best practices; and
- To provide a firsthand experience regarding the benefits of green infrastructure, energy efficiency demonstration projects and sustainable transport systems.
- Produce through group sharing a policy and recommendations document in each module theme.

Course Methodology

The course will include theoretical presentations that combine the instructors' inputs with student participation. Case studies will be presented and discussed in order to develop practical skills. The course website will provide background readings and material on each

module so that students can prepare in order to enhance learning and assimilation of the program content. The course will combine theory with practical exercises in which the students will experience the content of each module applied to real life situations through lectures, readings, field trips group exercises and discussion. The course will include the Climate Change fest through which participants will be able to see and observe local practices in the operations and functioning of green infrastructure, energy efficiency projects and sustainable transport examples. Participants through group sharing produce a policy and recommendations document in each of the modules.

Agenda

Day 1 – May 31st, 2017		
Time	Activity	Instructor
8:30-8:32 AM	Opening Remarks National Anthem	Ms Jonelle Irish, Chairperson, CFBC-UWI Level 1 Student
8:32-8:35 AM	Welcome to CFBC	Mrs Delores Stapleton Harris – Vice President of Academic & Student Affairs, CFBC
8:35-8:45 AM	Overview of the Course	Dr Leighton Naraine, CFBC
8:45-8:55 AM	Remarks	Ms Linda Swartz Tagliatela, Ambassador of the United States to Barbados, the Eastern Caribbean, and the OECS
8:55–9:00 AM	Remarks	Mr. Terence R Craig, Representative, Office of the General Secretariat in St. Kitts and Nevis, Organization of American States
9:00-9:10 AM	Remarks – Vision of Sustainable Development for St. Kitts-Nevis	Hon Shawn Richards – Deputy Prime Minister and Minister of Education, Youth, Sports and Culture
9:10-9:12 AM	Closing Remarks	Chairperson
9:12-9:40 AM	COFFEE BREAK	
Module I: Urban Sustainability, Smart Cities, and Civil Society Participation Roundtable		
9:40-10:20 AM	What is “Sustainable/Smart Cities”: Rationale/Emerging Trends/ What makes cities “livable”/ Designing Resilient Communities/What are Best Methods re Civil Society and Public Participation/What are the	Mr Calvin Pemberton Chairman – Development Control and Planning Board; Mr Wycliffe Morton – CFBC/Architecture; Dr Leighton Naraine - CFBC; Mr Richard Huber – Chief, Sustainable Communities,

	emerging trends in Community Development/ Community Participation in Sustainable Development	Hazard Risk, and Climate Change Section Department of Sustainable Development, OAS OAS
10:20-11:00 AM	Discussion	
11:00-11:30 PM	Promotion of the quality of life in cities and communities, taking into account their spatial, economic, social, and environmental circumstances	Mr Meshach Alford –Kittitian Hill/Sustainable Rural Communities
11:30 -12:00 PM	Community Models for Sustainable Development	Mr Rhon Boddie – St Kitts Urban Development Unit
12:00-12:30 PM	Crime Prevention and Management	Assistant Commissioner of Police Andre Mitchell –Royal St Christopher and Nevis Police Force
12:30-1:30 PM	LUNCH	
Module II: Waste Management, Recycling and Water Resource Management		
1:30-2:00 PM	Waste Diversion Strategies at the Home and Community Level	Mr Alphonso Bridgewater – General Manager, SWMC
2:00–2:30 PM	Flood Hazard, Hydrological cycle, freshwater Supply, and Urbanism	Glenroy Blanchette – CFBC/Geography & Disaster Risk Management Specialist
2:30-3:00 PM	International Participants present case studies	International Participants
3:00- 3:30 PM	Urban Waste Management – E-Waste and Waste Management	Ms Ghanja O’Flaherty – Solid Waste Management Corporation
3:30-3:45	COFFEE BREAK	
3:45 – 5:30 PM	Basseterre Urban Tour: Functions, Architecture, Transport, Parking, Street Scape, Lighting, Open Space, Attractions, Sanitation, Street Vending.	Dr. Leighton Naraine & Mr Wycliffe Morton – CFBC
Day 2 – June 1st, 2017		
Module III: Sustainable Land-use, Zoning, Transport and Mobility		

8:45 – 9:00 AM	Remarks	
9:00 -9:30 AM	Relationship between land use and transportation. National physical development plan/Zoning Development Control Authority (DCA) plan	Dr. Leighton Naraine - CFBC
9:30-10:00 AM	Public Transit systems for sustainable cities -- Case studies from the Americas	Mr. Richard Huber, Chief, Sustainable Communities, Hazard Risk, and Climate Change Section Department of Sustainable Development, OAS
10:00-10:30 AM	COFFEE BREAK	
10:30-11:00 AM	International Participants present case studies	International Participants
11:00-11:30	Heritage/Historic Buildings	Ms Laverne Brookes, CFBC/History & Political Science
11:30 -12:00 PM	Building Codes New Construction and Retrofitting for sustainable Living	Mr. Peter Jenkins – Engineer
12:00 -12:30 PM	Industry and Commerce in Industrial Site/Central Business District	Mr. Jose Rosa – President, Chamber of Industry and Commerce
12:30-1:30 PM	LUNCH	
Module IV: Resilience to Natural Hazards		
1:30-2:00 PM	Build community resilience to drought, flooding and other natural hazards in one community in each of Nevis' five parishes by implementing sustainable preventative practices to safeguard the communities from hazards and equip the local population with the knowledge and technical skills to prepare, respond to and minimize the fallouts from natural and human induced hazards.	HOPE Nevis Incorporated St Kitts Nevis
2:00-2:30 PM	Terrestrial and Marine Protected Areas/Integrated Coastal Zone Management Ecosystem Service Values	Mrs. Claudia Drew – Coordinator, UNDP Project on Terrestrial and Marine Protected Areas in SKN

2:30-3:00 PM	Evaluating the risk to the Newcastle Bay Lagoon (and by extension the proposed Narrows MPA) from anthropogenic factors, using the RIOS Habitat Risk Assessment Model	Janice Daniel Hodge – Principal Caribbean Development and Environmental Consultants, Inc.
3:00-3:15 PM	COFFEE BREAK	
3:15-6:00 PM	Field Visit: Sandy Point Town, Kittitian Hill Resort, Brimstone Hill Fortress	Dr Leighton Naraine
Day 3 – June 2nd, 2017		
Module V: Built Environment and Sustainability		
8:45-9:00 AM	Remarks	
9:00-9:30 AM	Solar energy demonstration at community level	Mr Lenrick Lake – CFBC/Environmental Science
9.30-10:00 AM	Green buildings, solar voltaics, assessing cost and cost effectiveness, energy efficiency- Towards LEED Certifications in St Kitts Nevis	Mr. Kenrod Roberts – St. Kitts-Nevis Electricity Corporation
10:00-10:30	COFFEE BREAK	
10:30-11:00 AM	Sustainable Hotels in St. Kitts and Nevis	Mr. Meshach Alford – Kittitian Hill Resort
11:00-11:30 PM	Integrated Coastal Zone Management and Expansion of Marine Parks for sustainability and Resilience.	Dr. Kimberly Stewart - Sea Turtle Monitoring, Ross University
Module IV: Renewable Energy and Energy Efficiency in the context of Sustainable Cities		
11:30-12:00 AM	Case study of hotel development SKN renewables	Ms. Tara Hendrickson – Hotel and Tourism Association
12:00-12:30 PM	Developing renewable technologies – proposed wind and solar project	Mrs Anelda Maynard Date - CFBC/Electrical Engineer
12:30-1:30 PM	LUNCH	
1:30-2:00 PM	Education for Sustainable Development	Mr Fritzroy Wilkin – CFBC TVET; Mrs Gaile Gray Phillip – CFBC Science, Technology &

		Mathematics; Mrs Joycelyn Archibald Pennyfeather – CFBC Teacher Training
2:00-2:30 PM	International Participants present case studies	International Participants
2:30 -3:00 PM	ICT Services in the Context of Sustainable Cities	Mr Olston Strawn – Curriculum Unit/Information Technology
3:00-3:30 PM	Tourism	Mrs. Carlene Henry-Morton – PS, Ministry of Tourism
3:30-4:00 PM	Urban Agriculture	Dr Leighton Naraine – CFBC/Agricultural Policy
4:00-4:15 PM	COFFEE BREAK	
4:15-6:00 PM	Field Visit: Solar Farm, Relic Sugar Factory, The Strip/Beach Vending – South Frigate Bay	Dr. Leighton Naraine
Day 4 –June 3rd, 2017		
9:00 -9:45 AM	Sustainable Cities Policies of the Americas	Mr. Richard Huber, Chief, Sustainable Communities, Hazard Risk, and Climate Change Section Department of Sustainable Development, OAS
9:45 -10:15 AM	COFFEE BREAK	
10:15-12:30 AM	Break out groups work on presentations	
12:30-1:30 PM	LUNCH	
1:30-3:00 PM	Break out groups present policy recommendations to decision makers	
3:00-4:00 PM	Closing Ceremony Participants receive certificates	