



# Youth and Climate Change

*Cool youth leading the way.*

**FINAL REPORT**

**YOUTH AND CLIMATE CHANGE PROJECT**

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**March, 2009**

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## **Background**

Whilst there has been much publicity about climate change since the 2007 Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), few, if any, Caribbean countries have begun to take positive, substantive action to address climate change adaptation, since many of them are unsure of how to proceed.

This project targets youth, who will ultimately be faced with the task of implementing adaptation and mitigation measures, and their teachers, and aims to provide skills and training to help raise awareness about climate change as an issue that the Caribbean region must face up to.

The project utilizes the existing Sandwatch network, which seeks to involve children, youth and adults in the wise use of coastal resources; Sandwatch is active in more than 35 countries worldwide and in almost every Caribbean country; the Sandwatch initiative is coordinated by the non-profit Sandwatch Foundation and has the support of the United Nations Educational Scientific and Cultural Organization (UNESCO), the University of Puerto Rico Sea Grant College Program and many other partners

The project 'Mobilizing Caribbean Youth to Adapt to Climate Change' (short name: 'Youth and Climate Change') is implemented by Counterpart Caribbean<sup>1</sup> at the Future Centre, Barbados and the Sandwatch Foundation in a combined effort to help Caribbean youth get directly involved in the climate change agenda. The project is supported by several partners including the Commonwealth Foundation; United Kingdom High Commission in Barbados; UNESCO; Ministry of Education, Barbados; Caribbean Tourism Organization and other partners.

The project is timely given the growing evidence about imminent impacts of climate change, ongoing global negotiations for a post-Kyoto agreement, and the real need in the Caribbean to bring the issue home to Caribbean people so they can understand its real importance and the measures they themselves will have to take.

The project will link up and enhance other work being done in this area, e.g. the Sandwatch 2008 Climate Change Video Competition, the climate change awareness initiative supported by the Red Cross and Red Crescent Societies, as well as other initiatives

## **Objective**

The objective is as follows: Selected Caribbean youth and teachers, equipped with knowledge and the necessary tools, to raise awareness about climate change and adaptation measures among their peers and the wider community in their own countries.

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<sup>1</sup> Counterpart Caribbean is a non-profit, non-governmental organization based in Barbados working in the field of environmental education and sustainable development, see [www.counterpartcaribbean.org](http://www.counterpartcaribbean.org) for more information

## Activities

### Workshop Venue

The workshop was held from November 5-7, 2008 at the Grand Barbados Resort in Barbados. The semi-urban beachside location provided workshop participants with many opportunities for observing and utilizing the close relationship between people and their environment in their skills development.

### Workshop Participants

Participants from nine countries took part:

- Bahamas
- Barbados,
- British Virgin Islands (BVI),
- Guyana,
- Jamaica,
- St. Kitts and Nevis,
- St. Lucia,
- St. Vincent and the Grenadines,
- Trinidad and Tobago.

(Participants from Dominica were invited and scheduled to attend, but had to cancel at the last moment because of the unavailability of flights). One teacher and two students (between the ages of 12 and 18) from each country were invited to take part. In the case of Barbados, the host country, three schools with a total of nine participants took part. Annex 1 contains the list of the participants.

### Workshop Programme

Prior to the workshop, participants were asked to research climate change in the context of their own countries and to bring to the workshop materials suitable for national displays. These displays were judged during the workshop, Annex 2 contains the judging criteria.

The workshop programme focused on providing participants with scientific information about climate change, and on giving them the skills to communicate that information. A Climate Change fact sheet was prepared and distributed (attached in Annex 3). The workshop programme is included in Annex 4. There were four working groups:

- Group 1: Drama and theatre, Group Leader: Michelle Barrow;
- Group 2: IT and Internet, Group Leader: Paul Diamond, Sandwatch Foundation;
- Group 3: Video, Group Leader: Wesley Griffith, Audio Visual Aids, Ministry of Education, Barbados;
- Group 4: Journalism – story telling, art and publications, Group Leaders: Susan Mahon and Judy-Ann Bennett.

Participants were assigned to groups so that each country could benefit from as many different groups as possible. During the workshop, group sessions were conducted on the different ways of

communicating the information. Prior to the closing ceremony, a session on planning next steps was held, country commitments are included in Annex 5.

The results of the group sessions were presented during the closing ceremony, see programme at Annex 6. Dr. the Honorable Esther Byer Suckoo - Minister of Family, Youth, Sports and Environment gave the keynote address, while representatives from UNESCO Headquarters, Mr. Hans Thulstrup, and the UK High Commission in Barbados, also attended. During the closing ceremony, certificates of participation were awarded to all participants. Prizes for national displays on climate change were given to:

- St. Lucia for content;
- Bahamas for presentation; and
- Trinidad and Tobago for originality.

#### Workshop Follow-up

Following the workshop the Sandwatch Foundation maintained contact with the participants on a one-on-one basis and prepared a summary table listing the activities at the end of December 2008. This has been posted on the website ([www.sandwatch.org](http://www.sandwatch.org)). Updates of the table are published on the website and circulated to participants at monthly intervals. The most recent version (March 15, 2009) is attached in Annex 7. All the countries have provided updates with the exception of St. Lucia where there appears to be a communications problem that has yet to be resolved.

Highlights of the workshop follow-up activities include:

- presentations on the workshop and climate change given to the school community, including parents and teachers, and to other schools (all countries);
- participants have prepared displays and given presentations on climate change in school fairs and exhibitions (Barbados, Trinidad and Tobago);
- articles on the workshop and climate change published in national and local newspapers (all countries); two sample newspaper articles from Barbados are attached in Annex 8;
- radio and television interviews about climate change and their follow-up activities conducted (all countries);
- four of the schools that participated in the workshop submitted entries to Sandwatch-Climate Change Video Competition, and three won prizes:
  - Hope Town Primary School, Bahamas (1<sup>st</sup> prize Primary School section),
  - Coleridge and Parry School, Barbados (joint 1<sup>st</sup> prize, Secondary School section),
  - Mayaro Environmental Wave (Youth Group), Trinidad and Tobago (joint 2nd prize, Secondary School section);
- schools prepared other videos after the workshop (St. Kitts and Nevis, St. Vincent and the Grenadines);
- participants have been included in other climate change activities in their countries (e.g. United Nations Environment Programme workshops, March 2009) ;
- two countries have contacted their National Focal Points for Climate Change (Bahamas and Guyana);
- participants have been innovative in including climate change in ongoing activities such as fashion shows, World Environment Day planning, dramatic presentations (Trinidad and Tobago);

- two countries have commenced climate change adaptation measures: participants in Jamaica have started a school garden, and participants in Trinidad and Tobago are creating a nature park;
- new Sandwatch beach monitoring groups have been formed in Guyana and BVI.

It is particularly encouraging that two countries have already moved beyond climate change awareness activities to climate change adaptation activities.

Since participants returned to their home countries in November 2008, the following has been achieved:

- 34,000 people have been reached through newspaper articles, radio and television interviews about climate change;
- 3,800 people have been reached through presentations made by the workshop participants on climate change;
- 280 people have been involved in activities related to climate change adaptation (e.g. beach clean-up, school garden).

Whilst it is recognized that reading a newspaper article or watching a television interview does not necessarily mean a person's attitude has changed, it is nevertheless very encouraging to see that the workshop participants have reached so many individuals in their countries.

The Sandwatch Foundation will continue to follow up with the participants throughout 2009.

### **Final Remarks**

The longer term goal is to mobilise youth and other groups to begin to take action and adapt to climate change. However the first step and the one addressed by this project is to make people more aware and to give people the knowledge and tools to begin the adaptation process. The project has been successful in achieving its objective.

The workshop success can be illustrated with a quotation from Mrs. Miriam Knorr, teacher from St. Kitts and Nevis:

*"This workshop was the best I have ever been on, I had never used a video camera before, and I am now ready to make my own videos."*

The video submitted to the Sandwatch-Climate Change Video Competition in 2009, by Mrs. Knorr's group, the Eco-Rangers, combined video-making skills with drama and story-telling and won a special prize in the competition for creativity and originality. It can viewed at:

<http://www.youtube.com/watch?v=IHSSM8vv5oA>.

## Annex 1: Participants List

Country	Participant Details
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## **Annex 2: Judging Criteria for Country Displays**

### **1. Content (33 points)**

- How well does the display portray the themes “Youth and Climate Change – Cool Youth leading the Way” and “Mobilizing Caribbean Youth to Adapt to Climate Change” - 11points
- Does the display have relevant information about climate change in the particular country – 11 points
- Is the content accurate and relevant – 11 points

### **2. Presentation (33 points)**

- Is the display visually attractive and well presented – 11 points
- Has there been significant effort put into preparing the display – 11 points
- Does the display use different modes of presentation e.g. text and pictures, written and video material – 11 points

### **3. Originality (34 points)**

- Does the display have any new/original components – 16 points
- Are there any specially creative aspects of the display – 16 points

## **CLIMATE CHANGE FACT SHEET**



### **Global Climate Change**

1. The earth's climate is changing mainly as a result of greenhouse gases (GHG) caused by human activities. With the publication in 2007 of the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) the evidence is now overwhelming.

Since the Industrial Revolution in the 1700s, the burning of fossil fuels, destruction of forests and other human activities have added a significant amount of GHG (principally carbon dioxide, methane and nitrous oxide) to the atmosphere. These gases trap heat in the atmosphere, much like a greenhouse, and cause air and sea temperatures to increase. Carbon dioxide concentrations have increased from about 280 parts per million (ppm) in pre-industrial times to 379 ppm in 2005, a 35% increase. Almost all of the increase is due to human activities and present concentrations are higher than at any time in the last 650,000 years – based on ice cores.

2. The increased greenhouse gases have led to the phenomenon known as global warming whereby the average temperature of the earth's atmosphere has increased. Over the 100 year period 1906-2005, the average global warming was 0.74°C. Perhaps even more noticeable evidence of global warming is provided by the fact that eleven of the twelve years between 1995 and 2006 ranked as the warmest years on record (since records began being kept in 1850).

3. Other observed changes associated with global warming include rising sea levels, decreases in snow and ice extent and changes in rainfall patterns.

Observational evidence points to an increase in intensity of tropical cyclones in the North Atlantic Basin. These changes are commonly referred to as climate change.

4. Some aspects of climate change, such as rising sea levels, will continue for centuries even if greenhouse gas concentrations were to be stabilised now. Many factors contribute to sea level rise. One of the most important factors is that the ocean expands as the temperature rises. Because the temperature of deep ocean water changes **very** slowly, the oceans will continue to expand for centuries – even if greenhouse gas concentrations are stabilised today.

5. Climate change is a global issue affecting all countries. The atmosphere is shared by all persons and countries on the planet, part of the “global commons”. However, it has long been accepted that the older industrialized nations bear more responsibility for human-induced climate change and thus climate justice, equity and sustainable development are important issues. The United Nations Framework Convention on Climate Change (UNFCCC), formulated and signed in 1992 by most of the world's countries, recognized that countries have common but different responsibilities in causing the problem and their respective capacities to take action to address it.

6. There are three main challenges to addressing climate change;

- First is how to stop and reverse further global warming, also referred to as mitigation. Mitigation efforts will involve taking firm action now to reduce greenhouse gas emissions. Such efforts must be viewed as investments, or as costs incurred now (and in the coming few decades) to avoid the possibility of very severe consequences in the more distant future. If these investments are made wisely, the costs will be manageable, and there will be a wide range of opportunities for growth and development.
- Second, usually referred to as adaptation, relates to how to live with the degree of global warming that cannot be stopped. Adaptation policy will reduce the impact of climate change and in many cases will provide short term local benefits, without the long lead in times required for

mitigation responses. Some adaptation measures will simply be an extension of good development practices such as those currently being utilized in disaster risk reduction, however, others such as major infrastructure planning will require new foresight and planning.

- The third challenge is how to design a new method for human progress and development that is climate proof and climate friendly and gives everyone a fair share of the natural resources on which we all depend. This might include rethinking the model of international aid and ethical commitments.

### **What is climate and what is weather? How are they different and how do they relate to Climate Change?**

Climate is generally defined as average weather, and as such, climate change and weather are intertwined.

- 🌐 Weather is the current atmospheric conditions at a given place.
- 🌐 Climate is the general weather conditions over a period of 30 years, and is the sum of all statistical weather information (temperature highs and lows, precipitation rates, wind patterns, humidity) that helps describe a place or region.

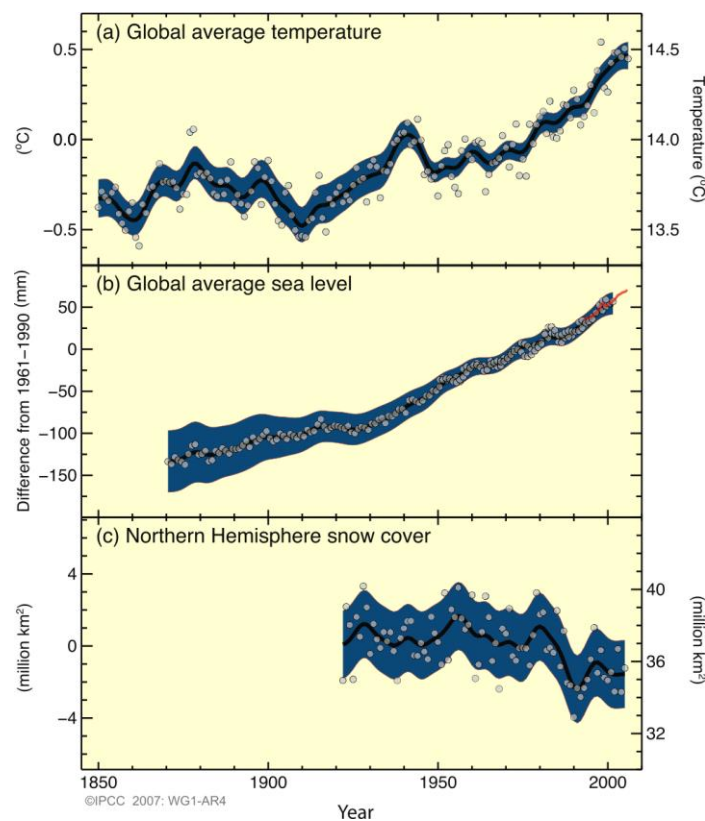
While weather changes from day to day, subtle climate changes are not easily noticeable and require long periods of careful measurement. It is virtually impossible to look at short-term weather trends for any given area and make valid statements about long-term climate change.

### **Climate Variability**

Climate change can be seen as a trend in one or more climatic variables. This trend is characterized by a fairly smooth continuous increase or decrease of the of a particular variable during the period of record. These can be seen from the global temperature

record and sea level rise below(Figure 1). The UNFCCC recognises the difference between climate change due to human activities altering the chemical make up of the atmosphere, and climate variability thanks to natural causes. The El Niño/La Niña variation is an example of climate variability due to natural causes.

**FIGURE 1: GLOBAL CHANGES IN GLOBAL AVERAGE TEMPERATURE AND SEA LEVEL, AND NORTHERN HEMISPHERE SNOW COVER**  
**(IPCC, 2007)**



**Figure SPM.3**

**Predicted Climate Change for the Caribbean Region**

Table 1 shows the predicted climate scenarios for the Caribbean region for 2099, based on IPCC estimates.



**TABLE 1: PREDICTED CLIMATE SCENARIOS FOR THE CARIBBEAN REGION BY 2099 (IPCC, 2007)**

<b>Parameter</b>	<b>Predicted Change</b>
Air and sea surface temperature	Rise of 1.4 to 3.2°C
Sea level rise	Rise of 0.18 to 0.59* m
Ocean acidity	Reduction in pH of 0.14 – 0.35 units making the oceans more acid
Tropical storms and hurricanes	Likely (>66% certainty) increase in hurricane intensity with larger peak wind speeds and heavier precipitation
Precipitation	No clear predictions for the region, although most models predict a decrease in summer (June, July, August) precipitation in the Greater Antilles
Extreme weather events (floods and droughts)	Number of flood events expected to increase Picture for droughts is unclear regionally
*The prediction does not include the full effect of changes in the ice sheets in Antarctica and Greenland, therefore the upper values could increase.	

The impacts of climate change will be widespread and will vary from country to country, affecting water supplies, ecosystems, food and forest products, health, industries, settlements and society. Almost every sector is likely to be adversely impacted by climate change including, agriculture, forestry, fisheries, tourism, construction (particularly in coastal areas), energy and insurance.

In the Caribbean extended periods of drought and more intense rainfall events will negatively impact agricultural production and food security, the availability of

freshwater, and the prevalence of vector borne disease. More than half the population in the Caribbean live within 1.5 km of the shoreline. The resulting concentration of settlement, transportation and tourism infrastructure at or near the coast is especially vulnerable to more frequent flooding, rising sea levels and possible increase in the magnitude and frequency of tropical storms and hurricanes, all consequences of climate change. Rising temperature and resultant coral bleaching will impact marine biodiversity, fisheries, coastal protection and ecotourism.

### **Climate Change and Caribbean Lifestyles**

There will be many changes and following list represents some selected items.

- It will feel hotter and this will cause additional stress for humans (especially the very old and very young), plants and animals
- Higher temperatures **may** result in increased incidence of diseases such as dengue fever
- Higher sand temperatures **may** affect the gender ratio of sea turtle hatchlings – female offspring are produced at higher temperatures
- The higher temperatures will cause increased coral bleaching – yet another stress for the coral reefs already suffering from pollution, sedimentation and hurricanes
- More acidic oceans will affect marine animals, including coral reefs, which have calcium carbonate skeletons
- New species (invasive species) will move into the Caribbean perhaps competing and killing existing plants and animals
- Rising sea levels will result in added erosion and the loss of some beaches, mangroves and coastal lands – especially impacting the tourism industry
- More floods will damage housing, infrastructure and lands; more droughts will impact agriculture and water supply
- Stronger hurricanes will destroy and damage homes, buildings and our natural resources

Changes in lifestyles need to be made now – it is no longer business as usual.

Prepared by Dr Gillian Cambers – On behalf of The Sandwatch Foundation,  
Counterpart Caribbean and the Barbados Environment Youth Programme

## Annex 4: Workshop Programme



# Youth and Climate Change

*Cool youth leading the way.*

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## PROGRAMME

### YOUTH AND CLIMATE CHANGE: COOL YOUTH LEADING THE WAY

Grand Barbados Hotel, Barbados

5-7 November 2008

#### **Tuesday 4<sup>th</sup> November, 2008**

Participants arrive  
Airport transfers to Grand Barbados Hotel

#### **Wednesday 5<sup>th</sup> November, 2008 – Learning about Climate Change Adaptation**

07.30 – 08.30 Registration  
Displays set up

08.30 – 09.00 Opening Ceremony  
Welcome Remarks  
Outline of the project “Mobilising Caribbean youth to adapt to climate change”  
Workshop Objectives  
Randolph Woodroffe, Barbados Environment Youth Programme  
Nicole Garofano, Counterpart Caribbean at the Future Centre  
Gillian Cambers, Sandwatch Foundation

09.00 – 10.30 Panel Discussion on Climate Change

Moderator: Nicole Garofano, Counterpart Caribbean at the Future Centre  
 Panellists:  
 Representative, Ministry of Family, Youth, Sports and Environment, Barbados  
 Leslie Walling, Caribbean Disaster Emergency Response Agency  
 Gillian Cambers, Sandwatch Foundation

10.30 – 11.00 Break

11.00 – 12.30 Interactive Session – Adapting to Climate Change

Moderator: Nicole Garofano, Counterpart Caribbean at the Future Centre

Presentation on UNESCO's Climate Frontlines Forum. Mr. Hans Thulstrup, UNESCO

Student representatives from each country present key points from their research and displays

Bahamas	5 minutes
Barbados (Coleridge & Parry School, Ellerslie School, Lester Vaughan School)	15 minutes
BVI	5 minutes
Dominica	5 minutes
Guyana	5 minutes
Jamaica	5 minutes
St. Kitts and Nevis	5 minutes
St. Lucia	5 minutes
St. Vincent & the Grenadines	5 minutes
Trinidad and Tobago	5 minutes

12.30 – 1.30 Lunch

1.30 – 2.30 Getting the message across: Group session 1 – Learning about media forms

Group 1: Drama and theatre, Group Leader: Michelle Barrow

Group 2: IT and Internet, Group Leader: Paul Diamond, Sandwatch Foundation

Group 3: Video, Group Leader: Wesley Griffith, Audio Visual Aids, Ministry of Education, Barbados

Group 4: Journalism – story telling, art and publications, Group Leaders: Susan Mahon and Judy-Ann Bennett

2.30 – 5.00 Field trip: Glass bottom boat tour – Carlisle Bay

5.30 – 7.00 Dinner and free time

7.00 – 9.00 Teachers: Learning to use Movie Maker to edit videos by Paul Diamond, Sandwatch Foundation

Students: Presentation on Performance Poetry by Aja, Poet, UNDP Spokesperson for Peace and Poverty Eradication in Barbados and the OECS

**Thursday 6<sup>th</sup> November, 2008 – Using Different Media Forms to Convey the Climate Change Message**

- 07.30 – 08.30 Judging of country displays on climate change
- 08.30-08.45 Progress Report on Day 1 and Housekeeping Items
- 08.45 -11.00 Getting the message across: Group session 2 – Using the media to convey the message about climate change adaptation  
 Group 1: Drama and theatre, Group Leader: Michelle Barrow  
 Group 2: IT and Internet, Group Leader: Paul Diamond  
 Group 3: Video, Group Leader: Wesley Griffith  
 Group 4: Journalism – story telling, art and publications, Group Leaders: Susan Mahon and Judy-Ann Bennett
- 11.00 – 2.30 Shopping trip to Pelican Village and lunch at Chefette
- 3.00 – 6.00 Getting the message across: Group session 3 – Preparing climate change adaptation media materials  
 Group 1: Drama and theatre, Group Leader: Michelle Barrow  
 Group 2: IT and Internet, Group Leader: Paul Diamond  
 Group 3: Video, Group Leader: Wesley Griffith  
 Group 4: Journalism – story telling, art and publications, Group Leaders: Susan Mahon and Judy-Ann Bennett
- 6.00 – 8.00 Dinner and free time
- 8.00 – 9.00 Climate change and song writing (Students and teachers): Jen Mahon, Singer and Band Member, ADA, Toronto, Canada

**Friday 7<sup>th</sup> November, 2008 - Using Different Media Forms to Convey the Climate Change Message (Continued)**

- 08.30-08.45 Progress Report on Day 2 and Housekeeping Items
- 08.45 -10.30 Getting the message across: Group session 4 – Finalising and practising climate change adaptation media materials  
 Group 1: Drama and theatre, Group Leader: Michelle Barrow  
 Group 2: IT and Internet, Group Leader: Paul Diamond  
 Group 3: Video, Group Leader: Wesley Griffith  
 Group 4: Journalism – story telling, art and publications, Group Leaders: Susan Mahon and Judy-Ann Bennett
- 10.30 – 11.00 Break
- 11.00 – 12.30 Getting the message across: Group session 4 continued – Finalising and practising climate change adaptation media materials
- 12.30 – 1.30 Lunch

- 1.30 - 3.00      Way Forward and Next Steps  
Discussion about the project “Mobilising Caribbean Youth to Adapt to Climate Change”  
Small Group (Country groups) discussions on - What do we do next when we go home  
Country commitments and Preparation of Action Plan
- 4.00 – 6.00      Closing Ceremony  
Introductory remarks  
Presentation of media products by each group  
Presentation of workshop certificates and prizes  
Speeches  
Vote of thanks
- 6.00 – 7.00      Dismantle displays
- 7.00 – 9.00      Closing Dinner with entertainment by the Coleridge and Parry School

**Saturday 8<sup>th</sup> November, 2008**

Participants depart

## Annex 5: Country Follow-up Commitments

### COMMITMENTS FROM EACH COUNTRY GROUP TO 'SPREAD THE WORD'

#### TRINIDAD AND TOBAGO

- Work with National Commission of UNESCO
  - Ministry of Environment – Collaborate Programmes
  - Mayaro will be training ground
  - Choose 3 areas – Secondary § Trinidad– Mayaro and Rio Clara  
Primary §  
ASP Net – Tobago
  - Interactive Workshops
- Churches – Climate Change Fact Sheet/Lectures
- Mayaro Cable Network
- Climate Change competitions leading up to Workshop
- Carbon Footprint and Clean up the world Website Groups
- Jingles
- Text Messages to do with Climate Change
- Earth Day 22 April and World Environment Day 5 June
- Sandsplash – Sand Sculpture competition



Youth and  
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#### ST VINCENT AND THE GRENADINES (BEQUIA)

- Meeting with Sandwatch group and share info on climate change
- Form groups within Sandwatch to produce learning tools
- Jingles/thoughts of the day/short stories – on school radio station
- Fund Raising to get equipment – Video Camera, etc
- Art, poster competitions on Climate Change
- Carry message to schools on Mainland St Vincent and The Grenadines about Climate Change
- Revitalise efforts to start Sandwatch
- Visit restaurants/hotels along the waterfront using Drama and Discussion; Build awareness
- Include Sandwatch and Climate Change in Curriculum (Teachers)
- Recycled glass work to be continued
- Bottle Cap Art

#### ST LUCIA

- Schools and Churches and UNESCO Clubs on Climate Change issues
- Articles on Climate Change – submit to newspapers
- Encourage young participants to participate in Sandwatch
- Competitions to focus on Climate Change
- Use of Frontline and Sandwatch
- Spread Info in Schools
- Fact Sheets on Climate Change
- Youth groups and Soufriere Catholic Youth Organisation



## **ST KITTS AND NEVIS (NEVIS)**

- Use GIS/ Sandwatchers/NHCS in BioDiversity
- Work with Ocean Conservancy annual beach clean up
- Flyers place around town about Climate Change and Global Warming
- Blogs
- Explaining what Sandwatch is all about to schools
- Enter Sandwatch Video Competition
- Radio Programme
- Repair relations with SandWatch – share info on workshop etc
- Letters to Ministers
- Press Releases – Newspapers/ NHCS /Sandwatch
- RBTT Contest – Youth leaders / Environmental focus
- Plastic bailers for recycling

## **JAMAICA**

- Meetings with Schools
  - PTA (Invite parents to be involved) /
  - Ministry of Agriculture / Education /Environment
  - Past Students
  - Members of Parliament
  - Mayor
  - Environmental Foundation of Jamaica
  - Banks
- Videos of Workshop
- Articles to Newspapers
- Sandwatch newsletters
- Include other schools / environmental clubs
- Impacts of Climate Change on the internet
- Invite Tourism Minister to talk about Climate Change
- Talks to communities
- Seek fund raising
- Suggest redirection of Anti-Litter Law
- Planning references

## **GUYANA**

- Restart Sandwatch in Guyana
- Use of Frontline/Blogs
- Environmental Clubs to be told of Sandwatch
- Essays, poetry and clean up Competitions
- Media programmes
- Ministry contact
- Call in Programmes – March 2009
- Develop awareness materials
- Games nights / Movies – Fund Raisers
- Follow Up articles



## **BRITISH VIRGIN ISLANDS**

- Discussions – pollution/ Global Warming and Climate Change
- Letter to Ministry of Natural Resources and Labour
- Ask Pastor to include Climate Change in Sermons
- Events to include Climate change
- Green Team – once per month – pollution, climate change, threats to coral reefs
- Join local preservation society
- Song writing, poems, art competitions – protecting our environment
- Teachers include Climate Change in their curriculum

## **BARBADOS**

- Take back to persons / schools/ assemblies and monthly meetings
- Workshops to other schools
- Public Service Announcement – mini video clips
- Facebook / Frontline / Blog
- Recycling
- Drama programme – twice a month
- Newspapers / TV / Radio
- Earth Day 22 April
- Sandwatch video competition
- Agrofest 2009



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## **BAHAMAS**

- Frontline Website
- Blog
- Candace / Tash – Climate Change assembly
- James to Secondary School
- Speak to Environmental Clubs / Organizations / Ministry
- Newspaper articles
- Friends of The Environment Newsletter monthly
- Article to Sandwatch
- Call Arthur and tell him of the work.

## Annex 6 : Closing Ceremony Programme



Youth and  
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### ***Mobilizing Caribbean Youth to Adapt to Climate Change***

#### **Workshop Closing Ceremony**

Friday November 7, 2008

Grand Barbados Beach Resort

4pm – 6pm

- **Master of Ceremonies**  
Ms Nicole Garofano - Volunteer Administrator - Counterpart Caribbean @ The Future Centre
- **Prayer**
- **National Anthem**
- **Introduction**  
Mr Randolph Woodroffe – Director - Barbados Environmental Youth Programme and National Sandwatch Coordinator
- **Media presentation by workshop participants**
- **Presentation of Certificates of Participation**  
Dr Gillian Cambers – Director Sandwatch Foundation
- **Presentation of Prizes**  
Dr The Honorable Esther Byer Suckoo - Minister of Family, Youth, Sports and Environment
- **Remarks**  
Dr Basil Springer – Chairman – Counterpart Caribbean @ The Future Centre
- **Key Note Address**  
The Honorable Dr Esther Byer Suckoo - Minister of Family, Youth, Sports and Environment
- **Vote of Thanks**  
Vernette Woods-Ollivierre – Bequia Community High School



# Youth and Climate Change

*Cool youth leading the way.*

*Thanks to our sponsors:*

Major funders:

**Commonwealth Foundation**  
**British High Commission Bridgetown and the DFID Programme**  
**UNESCO - Paris**  
**Caribbean Tourism Organisation (CTO)**

*Also with thanks to:*

**Rotary South Club – Barbados**  
**Ministry of Education and Human Resources – Audio Visual Aids Unit**  
**Ministry of Family, Youth, Sports and Environment – Barbados**  
**Structural Systems Ltd**  
**TD Securities and the Friends of the Environment <http://www.td.com/fef/>**  
**GEF SGP**  
**Virgin Holidays**  
**Illuminat**  
**RBTT Bank**  
**Realtors Limited**  
**Mrs Paola Baldi – Italian Consul for Barbados**

**Chefette Restaurants Ltd**  
**TMR Sales and Service Ltd**  
**Bryden's Express**  
**M Grafix Inc**  
**Air Jamaica**  
**LIAT**  
**Nation Graphics**  
**United Insurance**  
**Soje Lonsdale**  
**Barbados Tourism Authority**  
**Coastal Zone Management Unit**  
**Foster and Ince Cruise Services Inc**





## Annex 7: Workshop Follow-up Activities

Date	Activity	Comments/Impact
BAHAMAS		
January 2009	<ul style="list-style-type: none"> <li>- 2-page newspaper article on climate change workshop published in the twice monthly "Abaconian" during week of 1 February 2009. (Readership 8,000 Bahamians);</li> <li>- Article on attendance at Climate Change Workshop in November newsletter of Friends of the Environment;</li> <li>- Article on workshop in December 2008 issue of <i>The Sandwatcher</i>, see: <a href="http://www.sandwatch.ca/members.htm">http://www.sandwatch.ca/members.htm</a></li> </ul>	<ul style="list-style-type: none"> <li>- Several newspaper articles on Youth and Climate Change workshop published, estimate of audience reached 10,000 persons;</li> </ul>
February 2009	<ul style="list-style-type: none"> <li>- Video submitted for Sandwatch and Climate Change Video Competition, won first prize in primary school section, see: <a href="http://www.youtube.com/watch?v=N56eMXfeIV0">http://www.youtube.com/watch?v=N56eMXfeIV0</a>, and the front page of the Sandwatch website: <a href="http://www.sandwatch.org">www.sandwatch.org</a>, publicity related to prize winning in Climate Change video competition scheduled April 2009;</li> <li>- Report on workshop prepared for Ministry of Education;</li> <li>- Natasha Albury contacted Mr. Arthur Rolle, Chief Meteorologist for the Bahamas, who is interested in the climate change awareness activities for the 2<sup>nd</sup> Communication to the UN Framework Convention on Climate Change (UNFCCC), interview to be scheduled with Natasha and Candace Key (School Principal) in March-April 2009.</li> </ul>	<ul style="list-style-type: none"> <li>- Report on workshop prepared, informing government officials;</li> <li>- Contact made with Climate Change Focal Point in Bahamas and interview scheduled; potential inclusion of activities in the 2<sup>nd</sup> National Communication to the UNFCCC;</li> <li>- Further impact expected with announcement of video prize.</li> </ul>
BARBADOS		
Nov - Dec 2008	<ul style="list-style-type: none"> <li>- November: Beach clean up;</li> <li>- November-December: Environmental video "The Coastal Scene" prepared by Abba Home School Academy and entered in the Sandwatch-Climate Change video competition, see <a href="http://www.youtube.com/watch?v=0aDak9XY5x0">http://www.youtube.com/watch?v=0aDak9XY5x0</a>;</li> <li>- 05.12.08: Meeting of school environmental clubs at Queens College where Sandwatch and Climate Change was the focus (Coleridge and Parry School,</li> </ul>	<ul style="list-style-type: none"> <li>- Waste recycled and awareness of beach erosion heightened (10-15 persons);</li> <li>- 50 students and teachers participated; presentation on climate change by Gillian Cambers; and presentations from the clubs;</li> </ul>

Date	Activity	Comments/Impact
	Queens College, Lester Vaughan, Ellerslie, St. Gabriel's Schools participated); - November-December: Photographs of coast taken and being compiled (Abba Home School Academy);	
January 2009	- Climate change featured at School Exhibition (Queens College)	- Estimate of audience reached 1,000;
February 2009	- Video from Coleridge & Parry School wins 1 <sup>st</sup> prize in Sandwatch-Climate Change competition, see <a href="http://www.youtube.com/watch?v=f4DmlC067FA">http://www.youtube.com/watch?v=f4DmlC067FA</a>	- Further impact expected with announcement of video prize.
BRITISH VIRGIN ISLANDS		
Nov 2008 - January 2009	-Nov 2008: Press release on workshop and stories in the BVI Beacon, BVInews.com, and ZBVI radio. - Jessica Callwood interviewed for ZBVI Radio. - Mid-Nov 2008: Students gave a presentation/explanation to the Jost Van Dyke Primary School at their weekly morning meeting. - White Bay, Jost Van Dyk, selected as a Sandwatch monitoring site and a student activity planned for February 2008.	- Awareness: interviews, presentations and articles about the climate change workshop (Estimate of audience reached 10,000); - Beach selected for monitoring.
GUYANA		
Nov - Dec 2008	- Group has been making and developing awareness materials on climate change, planning a games night and fund raising activities, working on a poetry theme/bit, prior to getting approval from Minister of Education to proceed formally with activities; - Dec 2008: group makes initial contact with national Climate Change Unit.	- Planning activities in progress;
January 2009	- Students, ages 12-16, from St. Roses High School, chosen to form a Sandwatch environmental club. Preliminary activities include writing short stories and gathering and developing awareness materials. - 26.01.09 Meeting to review the work done so far. Meeting with National Climate Change Unit planned.	- Sandwatch group formed, climate change awareness materials under preparation (15 students); -Meeting with National Climate Change Unit scheduled.
JAMAICA		
Nov-Dec 2008	- Article and poem prepared "Where do I walk tomorrow"; - November 2008, Joined the St. Thomas Environment Protection Association (STEPA) in cleaning up the beach at Duhaney Pen; - Discussion with the: a. Student Body- White Horses Primary School b. Parent- Teachers- White Horses Primary School c. School Board- White Horses Primary School	- Estimate of audience reached 600 persons;

Date	Activity	Comments/Impact
January 2009	d. Western St. Thomas Principals Association Meeting held in December 2008, on climate changes in the Caribbean, Jamaica and St. Thomas in particular and what can be done to alleviate some of the problems;	
	- January, 2009, students at White Horses Primary along with other schools in St. Thomas entered a poster competition highlighting climate changes and keeping our coastal beaches clean and safe;	- 50 students involved;
February 2009	- February, 2009, Prospect Primary (one school in the cluster) has embarked on planting coffee; - White Horses Primary is working on a school garden. The land is being prepared for planting: 1) a. Gungo peas and beans for the school canteen b. Vegetables; 2) Planting of staple crops such as mangoes, june plums and cherries, 3) Replanting of our coconut project on the school compound 4) We hope to have dialogue soon with the Ministry of Education	- 200 students involved in planting.
<b>ST. KITTS AND NEVIS</b>		
January 2009	- Activities by Sandwatchers at Lynn Jeffers School, Nevis: - Sandwatch group visited top of Nevis Peak where Jim Johnson gave a presentation on the ecosystems of Nevis; - 08.01.09 School assembly on Climate change and global warming in the Caribbean, articles published in the Sun newspaper, the Nevis Historical and Conservation Society Newsletter, and the internet site, St. Kitts and Nevis Vibes. - Video entitled, ECO RANGERS, prepared and submitted to the Sandwatcher and Climate Change Video Competition of YouTube. - Video on the environment under preparation for submission to the regional RBTT contest. - 4 articles prepared for Backchat in St. Kitts, one on the Youth and Climate Change workshop, one on our internet news broadcasting out of New York, one on our video and one on our participation in the Ocean Conservancy's International Coastal Cleanup.	- Articles written and presentations given about climate change and the Youth and Climate Change workshop (Estimate of audience reached 4,000). - Two follow-up videos prepared and put on YouTube.  - Estimate of audience reached: 1,000;





Date	Activity	Comments/Impact
	<p>15.02.09 At the School Fair, a booth depicting Climate Change will be on display.</p> <p>04.04.09 Fashion Show and Tea Party the Fashion show will be on the impact of Climate Change.</p> <p>Ongoing project: Building of a Nature Park at the front of the school. A number of trees will be planted. This has already started and it is an on-going project.</p> <p>- Activities at Cowen Hamilton Secondary School, Trinidad.</p> <p>Maurisa Roopnarine is planning an activity at Cowen Hamilton Secondary School, Trinidad</p>	
February 2009	<p>- Proposal submitted to UNESCO National Commission for a week of activities focusing on climate change for all primary and secondary leading up to World Environment Day (WED);</p> <p>- Planning for World Environment Day activities for Mayaro Environmental Wave including a sand sculpturing competition, a walk and beach cleanup (Sand Splash 2009). We expect to have about 400 participants this year.</p> <p>- Mayaro Environmental Wave win second place in the Sandwatch-Climate Change Video Competition, Secondary School section, see: <a href="http://www.youtube.com/watch?v=b5OyN8wLU9E">http://www.youtube.com/watch?v=b5OyN8wLU9E</a></p>	

## Annex 8 Sample Newspaper Articles

**WEEKEND**  
**Nation**  
**EXTRA**  
 FRIDAY, NOVEMBER 21, 2008

### Wesleyan women's talent on show

THE Wesleyan Women of Barbados will be hosting a culinary exhibition and concert tomorrow at the Whitepark Tabernacle, Whitepark Road, St Michael.

Starting at 2 p.m., the expo will feature a competition of the best dishes from women drawn from Wesleyan Holiness churches across the island.

The concert, which starts at 5 p.m., will involve a cultural presentation in song, dance and drama. There will be an admission fee. (PR)

## Climate change-ready

THE CARIBBEAN GROUP which attended the workshop.

CARIBBEAN YOUTH are now better equipped to tackle the issue of climate change after completing a three-day workshop in Barbados.

Counterpart Caribbean, the Barbados Youth Environment Programme and the Sandwatch Foundation – which engages school and community groups in various countries to become involved in monitoring and protecting marine and coastal environments – hosted the training for 25 students and 35 teachers from nine regional countries from November 5 to 7 at Grand Barbados Beach Resort.

Entitled *Youth And Climate Change: Cool Youth Leading The Way – Mobilizing Caribbean Youth*

To Adapt To Climate Change, it saw participants from The Bahamas, Barbados, British Virgin Islands, Guyana, Jamaica, St Kitts-Nevis, St Lucia, St Vincent and The Grenadines, and Trinidad and Tobago.

Nicole Garofano, volunteer administrator with Counterpart Caribbean, said the aim was to help participants develop tools to enhance the knowledge of fellow students and communities in their home countries on the topic of climate change – and to do so within three months of the workshop.

The students and teachers were able to develop four learning tools – a web page, short video, drama piece and a journalism piece.

Barbados' representatives were drawn from members of the Barbados Environmental Youth Programme and included Coleridge & Parry School, Ellerslie Secondary and the Lester Vaughan School.

The Commonwealth Foundation, British High Commission's Climate Change Initiative and the United Nations Educational, Scientific and Cultural Organisation were the major sponsors. Support was also provided by the Caribbean Tourism Organisation and a number of Barbadian organisations.

Minister of Family, Youth, Sports and the Environment Dr Esther Byer-Suckoo attended the closing ceremony. (PR/BW)

## Youth to become more involved in developmental policies

By Kerrie Bynoe

**THE** changing physical environment has already begun to bring its share of problems to the region. Local beaches have been seriously eroded, large stretches of sand have become non-existent, and as the precious coral reefs begin to die, the problems will continue to get worse and worse.

Barbados and the other Small Island Developing States (SIDS) are facing numerous environmental threats, and whilst more and more people join the environmental fight, the Ministry of Family, Youth Affairs, Sports and the Environment has recognised the valuable role the younger generation has to play in this battle.

Speaking during the closing ceremony of the Youth and Climate Change Workshop at the Grand Barbados Beach Resort last Friday evening, Minister Dr. Esther Byer-Suckoo outlined the relationship between national development and youth development, noting that neither could take place without the other.

"We believe that no national development can happen without youth development... all developmental plans should ensure that young people have a secure future, a healthy environment, acceptable living standards, a sound education and gainful employment," said Byer-Suckoo.

The Ministry of Family, Youth Affairs, Sports and the Environment has been known to include young people in its decision-making process, a move which the Minister described as necessary, since the decisions made today would ultimately affect the future of the younger generation.

"We fully intend to make sure that all environmental and youth organisations have a voice in the development of environmental policy," added the Minister. While highlighting the natural changes in the environment, the Minister told those gathered that it would be naive to ignore how impactful humans

can be to the environment. She said that as the populations grow worldwide, the availability of resources has consequently diminished, adding that as people become more developed, their lifestyles have changed to accommodate this development as well.

"Let us face reality - much of the environmental issues that we currently face may be attributed to our consumption and production patterns. Our consumption patterns have changed to meet our new needs, our wants and indeed our aspirations, and in order to fulfil these desires we have been

taking more and more from the planet, and this is not sustainable."

The three-day workshop put on by Counterpart Caribbean at the Future Centre saw students from Nevis, Trinidad and St. Vincent and the Grenadines coming to Barbados to learn more about the increasing problems associated with global warming and climate. The students made dramatic, audio-visual and written presentations, showcasing all the knowledge and skills which they gathered throughout the workshop, including their new abilities to build websites, shoot and edit short films.

The Minister encouraged the students to continue to practise and develop their skills, as she told them about the great abilities technology has provided in the transmission of information. The students were also encouraged to pass on the information learnt throughout the workshop, as Byer-Suckoo encouraged them to expand their problem-solving abilities to issues outside of climate change.

"Don't keep what you learnt here to yourselves. Share this knowledge with your friends, relatives and other members of your communities. As young people, there is so much that you can do to



Minister of Family, Youth Affairs, Sports and the Environment, Dr. Esther Byer-Suckoo.

contribute positively to the health and well-being of our region's environment. While you would have discussed climate change as a significant environmental issue, do not treat it in isolation or keep it apart from other issues that we face as a regional people. I speak of things like HIV/AIDS and our economic situation. I charge you to find solutions to these problems," continued the Minister.