

THIRTY-SEVENTH MEETING OF
THE STANDING COMMITTEE OF
CARIBBEAN STATISTICIANS

RESTRICTED

SCCS/2012/37/7

St. George's, Grenada

29-31 October 2012

23 October 2012

**STATUS OF WORK SUBMITTED BY COUNTRIES ON ENVIRONMENTAL
STATISTICS, DEVELOPMENTAL WORK AND PROGRAMME OF WORK FOR
2012/2013**

1. DATA COLLECTION FOR CARICOM ENVIRONMENT IN FIGURES 2009

In August 2010, CARICOM Environment Table Formats for data compilation were circulated among Member States and Associate States toward the production of the “**CARICOM Environment in Figures 2009/2010**” report which will contain data for the period 2005 to 2009 (Data from the 2010 Round of Population and Census will also be included). Since then the Caribbean Community (CARICOM) Secretariat continued to follow-up with the environment statistics focal points in member countries to collect outstanding data and fill data gaps. The United Nations Statistics Division (UNSD) under a collaborative arrangement with the CARICOM Secretariat has provided data for the themes Waste and Water for reporting countries. In addition, the Caribbean Tourism Organisation (CTO) and the Caribbean Environmental Health Institute (CEHI) were contacted and have supplied data on Tourism and Environment Health, respectively, in an effort to fill data gaps in these areas.

Focal points have responded positively to the data collection efforts by submitting data and three countries, Saint Lucia, Bermuda and the Cayman Islands, have submitted 2010 Census data. Further, the CARICOM Secretariat received Bermuda's Environment

Statistics Compendium 2011, Belize's Environment Outlook 2010 and Jamaica's State of the Environment Report 2010. Primary validation has been completed for all Member countries who have submitted data and inconsistencies were communicated to focal points and responses were received for most queries. The indicators under the themes Land Use and Air recorded the most data gaps. (**Attachment I**)

2. FOLLOW-UP ACTIONS ON THE DECISIONS AND RECOMMENDATIONS OF THE ST. KITTS AND NEVIS WORKSHOP

Environment Statistics focal points were asked to report on their progress in Environment Statistics including Inter-Agency meetings held, progress of data collection, supply of data to CARICOM and with regards to the implementation strategy that was created at the workshop. Emails were sent to countries in June 2012 and reports were received from Antigua and Barbuda, Jamaica and Bermuda.

In September 2012, The CARICOM Secretariat published Environment Statistics metadata which was reviewed as part of the group work activity at the workshop. The document was placed on the Regional Statistics Programme's website following circulation to all environment focal points for feedback.

3. SUPPORT FOR ENVIRONMENT STATISTICS IN CARICOM MEMBER COUNTRIES

The Caribbean Hub sub-component of the European Commission funded Capacity Building related to Multilateral Environmental Agreements (MEAs) in the African, Caribbean and Pacific (ACP) countries is providing funds to support the efforts of the CARICOM Secretariat in the monitoring of the Multilateral Environmental Agreements and related commitments. Under this activity, the CARICOM Secretariat will be able to visit selected countries in the Community that are party to biodiversity-related MEAs with the primary aim of reviewing the current situation with respect to the production of environment statistics. Antigua and Barbuda, Dominica, Jamaica and Trinidad and Tobago and have indicated interest in participating in the project, of which only the last

three countries have followed up relative to this activity. The activity which is expected to take place in November 2012 will bridge existing data gaps in areas where they may exist such as Land Use and Agriculture, Coastal and Marine Resources, Forests, Biodiversity.

The CARICOM Secretariat will also receive support from the European Union to develop Environment Statistics under the Tenth European Development Fund which is scheduled to commence in 2013.

4. CHALLENGES AND OPPORTUNITIES

The Caribbean Community (CARICOM) Secretariat continues to work with its member countries to sustain the production of Environment Statistics. The CARICOM Secretariat noted previously the challenges expressed by focal points relative to the process of compiling statistics and indicators in the area of Environment Statistics. These include the absence of an Environment Statistics Unit which affect the level of importance that is placed on this area of statistics, the absence of dedicated staff working in the area of Environment Statistics and lack of the required level of support to enable engagement with stakeholders and in general to develop this area of statistics.

The Secretariat would therefore like to urge Directors of Statistics/Chief Statistician to continue to pay attention to this area of statistics and to make every effort to address the challenges indicated by the participants. These efforts should include consideration and support to the Work Plan that were developed during the group activity by the various countries, finding resources to appoint dedicated staff or to establish Environmental Statistics Units and in general to advocate in this area of statistics. Within countries, countries were encouraged to produce compendia on Environment Statistics and to use the compendia as a mechanism to engage the data providers and policy-makers.

The CARICOM Environment in Figures 2009/2010 report, like the previous reports, is taking a considerable time to produce, from the design and submission of table formats to member countries; the monitoring of the submission of the information; the compilation of the statistics and indicators in tables and the submission to countries for review and amendments and the preparation of various drafts of the report.

The CARICOM Secretariat will therefore welcome feedback on the draft report which will be circulated by the end of December 2012 and especially on the data presented.

5. WORK PLAN IN ENVIRONMENTAL STATISTICS FOR 2013/2014

The 2013/2014 work programme will continue to strengthen capacity in Member States. Initial focus will be on the area of Biodiversity given the availability of funds to develop this area with the release of Tenth EDF funds. There will be a replication of this approach in other areas e.g. (i) Environmental Health and Water; (ii) Tourism; (iii) Air and Waste; (iv) Population and Households and Energy and Minerals; and (v) Natural Disasters

The Implementation Strategy would be followed up specifically with regard to data collection, publication of an environment compendia and Inter-agency activities.

Elements of the approach to be followed will include:

- (i) Provide support for the filling of the data gaps and the compilation of metadata including:
 - a) activate the Help Desk focusing on specific areas relative to resources to assist countries in compiling environment statistics;
 - b) collaborate with international and regional organisations to strengthen these areas of Environment Statistics
- (ii) Convene the CARICOM Workshop on Environment Statistics in March 2013 to review the Environmental Statistics and Indicators submitted.

ACTION TO BE TAKEN

The **Meeting** is **invited** to:

- (i) **consider** the work put in place to develop this area of Statistics with efforts to have dedicated staff in Environment Statistics or to establish Environmental Statistics Unit;
- (ii) **encourage** countries to consider the work plans developed by countries;
- (iii) **urge** countries to produce environmental compendia;
- (iv) **support** the 2013/2014 Work Plan in Environment statistics

ANNEX

INDICATORS FOR THE CARICOM PROGRAMME - CORE, THE MILLENNIUM DEVELOPMENT GOALS (MDGs) AND THE CARIBBEAN SPECIFIC INDICATORS FOR THE MILLENNIUM DEVELOPMENT GOALS (CSMDGs)

TOPIC/THEME	NUMBER/NAME OF TABLE
Population and Households	<p>PH1(a): Number of Households by Type of Dwelling</p> <p>PH2(a): Number of Households by Type of Tenure PH2(b): Proportion of households with own dwelling (CSMDG)</p> <p>PH3: Number of Households by Type of Material of Outer Walls</p> <p>PH4: Number of Households by Type of Material Used for Roofing</p> <p>PH5: Households by Number of Bedrooms</p> <p>PH6: Number of Households by Size of Household</p> <p>MDG 7.10 Proportion of urban population living in slums</p>
Tourism	<p>TO1(a): Tourists, Cruise Ship Arrivals and Tourist nights spent by year</p> <p>TO1(b): Tourist Intensity Ratio and Tourist Penetration Ratio</p> <p>TO2: Number of Hotels Classified by Size, Beds and Rooms by Year</p> <p>TO3: Visitor Expenditure and Number Employed in Tourism</p> <p>TO4: Tourist Arrivals by Country of Origin</p> <p>TO5: Tourist Arrivals by Type of Accommodation</p>
Environmental Health	<p>EH1: Number of Reported Cases and Incidence of Environmentally Related Diseases</p> <p>EH2: Number of Households by Type of Water Supply</p> <p>EH3: Number of Households by Type of Sanitation Facilities</p> <p>MDG 7.8: Proportion of population using an improved drinking water source</p> <p>MDG 7.9: Proportion of population using an improved sanitation facility</p>
Natural Disaster	<p>ND1(a): Natural Disasters by Year</p> <p>ND1(b): Incidence of natural disasters; (CSMDG)</p> <p>ND1(c): Economic losses resulting from natural disasters; (CSMDG)</p> <p>ND1(d): Social dislocation resulting from natural disasters; (CSMDG)</p>

TOPIC/THEME	NUMBER/NAME OF TABLE
Energy and Minerals	EM1(a): Energy Consumption by Type and Year EM1(b): Energy use (kg oil equivalent) per \$1 GDP (PPP); (CSMDG) EM2(a): Number of Households by Type of Fuel Used for Cooking EM2(b): Proportion of Households using solid fuels by type of tenure. EM3: Number of Households by Type of Fuel Used for Lighting EM4: Mineral Production by Type EM5: Mineral Reserves by Type
Land Use and Agriculture	LA1: Land Use LA2: Use of Fertilizers by Type and Year LA3: Use of Pesticides by Type and Year
Coastal and Marine Resources	MR1: Total and Protected Marine Area MR2(a): Fish Landings by Type MR2(b): Fish Landings by Boat Days MR3: Number of families and Population of coastal area MR4: Percentage of coral reefs destroyed by human activity and by natural disasters; (CSMDG)
Biodiversity	MDG 7.4: Proportion of fish stocks within safe biological limits MDG 7.6 Proportion of terrestrial and marine areas protected MDG 7.7 Proportion of species threatened with extinction
Forest	FOR1: Protected Forest Area as a percentage of Total Land Area MDG 7.1 Proportion of land area covered by forest
Air	AIR1: Emissions of Sulfur Dioxide (SO ₂) AIR2: Emissions of Nitrogen Oxides (NO _x) AIR3: Emissions of Non-Methane Volatile Organic Compounds (NM-VOCs)

TOPIC/THEME	NUMBER/NAME OF TABLE
	AIR4: Emissions of Carbon Dioxide (CO ₂) AIR5: Emissions of Methane (CH ₄)
	AIR6: Emissions of Nitrous Oxide (N ₂ O) AIR7: Emissions of Lead (Pb) and Consumption of Leaded Petrol MDG 7.2: CO ₂ emissions, total, per capita and per \$1 GDP (PPP) (MDG, CSMDG) MDG 7.3: Consumption of ozone-depleting substances (MDG)
Waste <i>(collected by the UNSD)</i>	WA1: Generation of Waste by Source WA2: Generation and Recycling of Selected Waste Materials WA3: Management of Municipal Waste WA4: Composition of Municipal Waste WA5: Management of Municipal Waste — City Data WA6: Waste Treatment and Disposal Facilities MDG 7.5 Proportion of total water resources used
Water <i>(collected by the UNSD)</i>	WT1: Renewable Fresh Water Resources WT2: Freshwater Abstraction WT3: Freshwater Available for Use WT4: Total Water Use WT5: Water Supply Industry (ISIC 36) WT6: Wastewater Treatment Facilities WT7: Population Connected to Wastewater Treatment

ATTACHMENT I

STATUS REPORT OF ENVIRONMENT DATA RECEIVED 2005-2009

AREA OF ENVIRONMENT STATISTICS	DATA PRODUCTION (Tables etc.)	DATA GAPS BASED ON DATA SUBMITTED
Population and Households	PH1: Number of Households by Type of Dwelling PH2(a): Number of Households by Type of Tenure PH2(b): Proportion of households with own dwelling (CSMDG) PH3: Number of Households by Type of Material of Outer Walls PH4: Number of Households by Type of Material Used for Roofing PH5: Households by Number of Bedrooms PH6: Number of Households by Size of Household MDG 7.10 Proportion of urban population living in slums	5 MS 5 MS 4 MS 3 MS 3 MS 4 MS 8 MS and 1 AM (Estimated UN data)
Tourism	Tourist Arrivals by Type of Arrival and Number of Tourist, Nights Spent Tourist Intensity/Growth Rate and Tourist Penetration Ratio Number of Hotels Classified by Size, Beds and Rooms by Year Visitor Expenditure Tourist Arrivals by Type of Accommodation Tourist Arrivals by Country of Origin	14 MS and 4 AM 2 MS and 1 AM 4 MS and 3 AM 13 MS and 5 AM 5 MS and 2 AM 14 MS and 4 AM
Environmental Health	Number of Reported Cases and Incidence of Environmentally Related Diseases Number of Households by Type of Sanitation Facilities Number of Households by Type of Water Supply MDG 7.8 Proportion of population using an improved drinking water source	7 MS and 1 AM 3 MS 3 MS 11 MS and 2 AM (UN Data)
Natural Disasters	Natural Disasters by Year	12 MS and 2 AM
Energy and Minerals	Energy Consumption by Type and Year EM1(b): Energy use (kg oil equivalent) per \$1 GDP (PPP); (CSMDG) Number of Households by Type of Fuel Used for Cooking EM2(b): Proportion of population using solid fuels by type	7 MS and 1 AM - 5 MS

AREA OF ENVIRONMENT STATISTICS	DATA PRODUCTION (Tables etc.)	DATA GAPS BASED ON DATA SUBMITTED
	of tenure. Number of Households by Type of Fuel Used for Lighting Mineral Production by Type Mineral Reserves by Type	- 8 MS 3 MS 1 MS
Land Use and Agriculture	Land Use Use of Fertilizers by Type and Year Use of Pesticides by Type and Year	2 MS 8 MS and 1 AM 7 MS and 1 AM
Coastal and Marine Resources	Total and Protected Marine Area Fish Landings by Type Population of Coastal Area Percentage of coral reefs destroyed by human activity and by natural disasters; (CSMDG)	8 MS and 2 AM 9 MS and 1 AM 6 MS and 1 AM 2 MS
Biodiversity	MDG 7.4: Proportion of fish stocks within safe biological limits MDG 7.6 Proportion of terrestrial and marine areas protected MDG 7.7 Proportion of species threatened with extinction	- 7 MS and 1 AM (country data) 15 MS and 3 AM (UN Data) -
Forest	Protected Forest Area as a Percentage of Total Land Area MDG 7.1 Proportion of land area covered by forest	7 MS and 1 AM 15 MS and 3 AM (UN Data)
Air	Emissions of Sulfur Dioxide (SO ₂) Emissions of Nitrogen Oxides (NO) Emissions of Non-Methane Volatile Organic Compounds (NM-VOCs) Emissions of Carbon Dioxide (CO ₂) Emissions of Methane (CH ₄) Emissions of Nitrous Oxide (N ₂ O) Emissions of Lead (Pb) and Consumption of Leaded Petrol MDG 7.2, CS MDG: Carbon dioxide emissions (CO ₂), thousand metric tons of CO ₂	- - - - - - - - 15 MS and 4 AM
Waste (United Nations data from Country)	WA1: Generation of Waste by Source WA2: Generation and Recycling of Selected Waste Materials WA3: Management of Municipal Waste WA4: Composition of Municipal Waste WA5: Management of Municipal Waste — City Data WA6: Waste Treatment and Disposal Facilities	6 MS and 1 AM 4 MS 5 MS and 1 AM 5 MS 4 MS 2 MS

AREA OF ENVIRONMENT STATISTICS	DATA PRODUCTION (Tables etc.)	DATA GAPS BASED ON DATA SUBMITTED
Water (United Nations data from Country)	WT1: Renewable Fresh Water Resources WT2: Freshwater Abstraction WT3: Freshwater Available for Use WT4: Total Water Use WT5: Water Supply Industry (ISIC 36) WT6: Wastewater Treatment Facilities WT7: Population Connected to Wastewater Treatment MDG 7.5 Proportion of total water resources used	5 MS and 2 AM 6 MS and 1 AM 6 MS and 2 AM 4 MS and 1 AM 5 MS and 1 AM 4 MS and 1 AM 3 MS and 1 AM -

MS refers to Member State

AM refers to Associate Member