Seventh Expert Group on Environment Statistics (EGES) Climate Change Statistics

From Environment Statistics to Climate Change Statistics in CARICOM- An Exploratory Approach
CARICOM Secretariat –November 11 2020
Introduction of Environment Statistics in the Caribbean Community (CARICOM) was in 1999 under a UNSD/CARICOM Project-“Strengthening Capacity in Social /Gender and Environment Statistics for Conference Follow-up”. (First Development Account project).

At that time, one country, Belize, had produced an Environment Statistics report in 1999 and Jamaica was also commencing work in this area of statistics;

Project launch took place in Belize and a core set of statistics and indicators were identified to be compiled by Member States based on environmental issues that were considered critical to CARICOM.

The first regional publication, “The CARICOM Environment in Figures -2002” was published as a main project output. There was also technical assistance, training in IT, equipment provision.

Sustainability considerations led to the formation of a CARICOM Advisory Group on Statistics and the development of a CARICOM Programme to encourage regional and national data compilation.
Post the project a number of countries over the span of 20 years have produced environmental statistics publications /compendia including:

- 5 + [Belize, Jamaica (10+), Bermuda (10+), Suriname (8/9), Dominica (5/6)];
- 1-4 [St. Vincent and the Grenadines, Trinidad and Tobago, Grenada, Barbados, Montserrat]

Most of the remaining countries would have undertaken data collection and submitted to the CARICOM Secretariat. Data are collected under 12 Themes by the Secretariat;


The Secretariat has now produced a total of four (4) CARICOM Environment in Figures publication plus its first Climate Change Statistics report. Jamaica has also produced a Climate Change Statistics Report.

The CARICOM Climate Change Statistics Report 2020 was stimulated by the four Environment Statistics Reports and is largely exploratory.
From Environment to Climate Change Statistics

- The approach to the production of Climate Change Statistics utilised the framework of the FDES 2013 and specifically the IPCC schematic framework;

- The tables previously published under environment statistics were rearranged under the five (5) components—Drivers, Impacts, Adaptation, Mitigation and Vulnerability;

- New tables were identified where required and the series in the existing tables were updated (up to 2019 for some tables).

- Climate Change is of high importance to CARICOM Small Island Developing States and it is hoped that this first publication can lay the groundwork for future work in this area.

- **Key Lesson learnt:** Strengthening Environment Statistics can lead to the production of Climate Change Statistics
DRIVERS (Highlights)

Sub-component 1.1: Emissions to Air

Topic 1.1.1: Emissions of greenhouse gases

1.1.1.a: Total emissions of direct greenhouse gases (GHGs), by gas:

1.1.1.a.1: Carbon dioxide (CO₂)

Table 1.1.1.a.1: Carbon dioxide emissions (CO₂): 2000-2014

1.1.1.a.2: Nitrous oxide (N₂O)

Table 1.1.1.a.2: Nitrous Oxide (N₂O) emissions: 2000-2014 3

1.1.1.a.3: Methane (CH₄)

Table 1.1.1.a.3: Methane (CH₄) emissions: 2000-2014 4

1.1.1.a.4: Hydrofluorocarbons (HFCs)

Table 1.1.1.a.4: Hydrofluorocarbon (HFC) Emissions: 2000-2014
DRIVERS (Highlights)

1.1.1.b: Total emissions of indirect greenhouse gases (GHGs), by gas:

1.1.1.b.1: Non-methane volatile organic compounds (NM-VOCs)

Table 1.1.1.b.1: Non-Methane Volatile Organic compounds (NMVOCs) emissions:

2000-2014

Sub-component 1.2: Energy Resources

Topic 1.2.1: Energy production, supply and consumption

1.2.1: Energy supply

Table 1.2.1.1: CARICOM's Imports of Fossil Fuels:1995-2018

Chart 1.2.1.1: Value of CARICOM's Imports of Fossil Fuels:1995-2018
From Environment to Climate Change Statistics

• IMPACTS (Highlights)
  • Subcomponent 2.1: Areas impacted by climate change
  • Topic 2.1.1: Forests
    • 2.1.1: Forest area
      • Table 2.1.1.1: Total and Protected Forest Area: 2009-2013
      • Table 2.1.1.2: Forest Area (% of land area)

• http://statistics.caricom.org/climatepub.html
Thank you!