

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

Background

- 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.

Continuity of Environment Statistics

- 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;
 - **Population & Household, Environmental Health, Tourism, ,Land Use and Agriculture;; Natural Disasters, Energy and Mineral Resource, Waste, Water, Air, Forests, Biodiversity and Coastal and Marine Resources;**
- 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**

From Environment to 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

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- **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 95

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- **IMPACTS (Highlights)**
 - **Subcomponent 2.1: Areas impacted by climate change**
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 - **Topic 2.1.1: Forests**
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 - 2.1.1: Forest area
 - Table 2.1.1.1: Total and Protected Forest Area: 2009-2013 32
 - Table 2.1.1.2: Forest Area (% of land area)
 - Chart 2.1.1.1: Forest Area (% of land area): 1990, 2000, 2010 and 2016
- <http://statistics.caricom.org/climatepub.html>



Thank you!