Final regional workshop of the project 2023Q “Caribbean SIDS relevant climate change and disasters indicators for evidence-based policies”

May 10-12, 2023

DA 12 Project: Main results

Georgina Alcantar, Chief of Environment and Climate Change Statistics Unit
Statistics Division
ECLAC Project DA12: National workshops
ECLAC Project DA12: Events

DA12 Project Kick-off Webinar: Introduction to Climate Change and Disaster Statistics in the Caribbean

9, 10 and 11 March 2021

National Online Workshop: Generating climate change and disaster indicators for policy decisions enabling GIZ activities

17-19 July 2021

Launch of the e-learning course on Disaster-Related Statistics Framework (DRESF)

21 October 2021

Subregional event: "Strengthening Environment, Climate Change and Disaster Information in the Caribbean" 25 – 26 August 2021

DA 12 Project Introductory presentation
Landscape on environmental statistics

FDES component abbreviations: 6 Environmental protection, management, and engagement; 5 Human Settlements and Environmental Heath; 4 Extreme events and disasters; 3 Residuals; 2 Environmental resources and their use; 1 Environmental conditions and quality

Source: Elaborate by ECLAC, based on project information. This data does not consider the total amount of statistics per component, only the 100 statistics included in the Tier 1.
Climate Change and Disaster Statistics

<table>
<thead>
<tr>
<th>Countries</th>
<th>Built Indicators during national workshops</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antigua and Barbuda</td>
<td>Vulnerability – Ind. 94. Net energy import as a proportion of total energy supply</td>
</tr>
<tr>
<td></td>
<td>Mitigation – Ind. 110. Renewable energy share in the total final energy consumption</td>
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<tr>
<td></td>
<td>Adaptation – Ind. 144. Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type</td>
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<tr>
<td>Dominica</td>
<td>Drivers – Ind. 12. Share of fossil fuels in total energy supply</td>
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<td></td>
<td>Adaptation – Ind. 156. Municipal waste collected per capita</td>
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<tr>
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<td>Vulnerability – Ind. 100. Proportion of population living in coastal areas</td>
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<td>Mitigation – Ind. 125. Increase in forest area</td>
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<tr>
<td>Saint Lucia</td>
<td>Drivers – Ind. 1. Total greenhouse gas emissions per year</td>
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<tr>
<td></td>
<td>Impact – Ind. 53. Temperature records</td>
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<td></td>
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<td>Saint Kitts and Nevis</td>
<td>Drivers – Ind. 12. Share of fossil fuels in total energy supply</td>
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<tr>
<td></td>
<td>Drivers – Ind. 3. Greenhouse gas emissions from land use, land use change and forestry</td>
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<td>Mitigation – Ind. 125. Increase in forest area</td>
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<tr>
<td>Suriname</td>
<td>Drivers – Ind. 1. Total greenhouse gas emissions per year</td>
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<td></td>
<td>Impact – Ind. 42. Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population</td>
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<tr>
<td></td>
<td>Vulnerability – Ind. 98. Proportion of population using safely managed drinking water services</td>
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<tr>
<td></td>
<td>Mitigation – Ind. 125. Increase in forest area</td>
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<tr>
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<td>Adaptation – Ind. 156. Municipal waste collected per capita</td>
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<tr>
<td>Grenada</td>
<td>Drivers – Ind. 19. Number of fossil fuels driven vehicles per capita</td>
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<tr>
<td></td>
<td>Impact – Ind. Total rainfall anomaly</td>
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<tr>
<td></td>
<td>Vulnerability – Ind. 90. Ecosystem carbon stocks</td>
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<tr>
<td></td>
<td>Mitigation – Ind. 125. Increase in forest area</td>
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<tr>
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<td>Adaptation – Ind. 156. Municipal waste collected per capita</td>
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<tr>
<td>Belize</td>
<td>Drivers – Ind. 10. Total energy production from fossil fuels</td>
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<td>Drivers – Ind. 18. Urban population as a proportion of total population</td>
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<td>Impact – Ind. 31. Forest area as a proportion of total land area</td>
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<tr>
<td></td>
<td>Impact – Ind. 53. Temperature records</td>
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<tr>
<td></td>
<td>Mitigation – Ind. 109. Production of renewable energy as a proportion of total energy production</td>
</tr>
</tbody>
</table>
ECLAC Project DA12: Outcomes

Regional Network of Environment and Climate Change Statistics

Online Course: “Introduction to Environment Statistics Caribbean Region”

DA 12 Project Introductory presentation
ECLAC Project outcomes

E-learning course on Disaster-Related Statistics Framework (DRSF)
* Introduction
* Measuring disaster risk
* Measuring disaster occurrence and impact
* Measuring economic loss
* Disaster risk reduction expenditure statistics
* The DRSFs application to the COVID-19 pandemic

Online Course: “Spatial dimensión of environmental Statistics and indicators”

<table>
<thead>
<tr>
<th>Module</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to GIS</td>
</tr>
<tr>
<td>2</td>
<td>Geo-referencing and Geocoding</td>
</tr>
<tr>
<td>3</td>
<td>Introduction to Earth observation imagery analysis</td>
</tr>
<tr>
<td>4</td>
<td>Grids</td>
</tr>
<tr>
<td>5</td>
<td>Fundamental geoprocesses in Geographic Information Systems for the environment</td>
</tr>
<tr>
<td>6</td>
<td>CEPALSTAT Latin America and the Caribbean Database</td>
</tr>
</tbody>
</table>
ECLAC Project outcomes

Platform for Resilience

Platform for Resilience: Tools

Drawing tools may be used to:
1. Define an interest area by the user.
2. Later, the user can request demographic and urban data for that specific defined area.

Platform for Resilience: Demographic and infrastructure analysis

1. Draw
2. Calculate

Population within the interest area: 235,204
Number of schools within the interest area: 11

Data sources:
- Land cover: GlobalCover30
- Schools: Open Street Map report
# National Advances on Climate Change and Disaster Statistics

## Activities and Products

### Saint Lucia
- Environment Statistics Self-Assessment Tool (ESSAT) – Part I and II
- Report analysis ESSAT
- Live workshop and new indicators
- Report analysis Workshop
- Follow-up activities

### Barbuda
- Environment Statistics Self-Assessment Tool (ESSAT) – Part I and II
- Report analysis ESSAT
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- Follow-up activities

### Suriname
- Environment Statistics Self-Assessment Tool (ESSAT) – Part I and II
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### 100%

## Activities and Products

### Dominica
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### Grenada
- Environment Statistics Self-Assessment Tool (ESSAT) – Part I and II
- Report analysis ESSAT
- Live workshop and new indicators
- Report analysis Workshop
- Follow-up activities

### 100%

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**INTER-OFFICE MEMORANDUM**

FROM: PERMANENT SECRETARY, MINISTRY ECONOMIC DEVELOPMENT, PLANNING, TOURISM & CREATIVE ECONOMY

TO: DIRECTOR OF STATISTICS

DATE: 1st DECEMBER 2022

SUBJECT: ENVIRONMENT STATISTICS ADVISORY COMMITTEE (ESAC)

Please be advised that Cabinet at its meeting of 7th November 2022, vide CC 40/2022, approved the establishment of the Environment Statistics Advisory Committee (ESAC) with its terms and conditions as outlined in Annex A with the following membership of seven representatives:

- Civil Society
- DGJ
- Environment (2 persons)
- Statistic
- Economic Development & Planning (2 persons)

Cabinet directed that correspondence should be issued to the committee confirming their desire to serve.

Please be guided accordingly.

[Signature]

PERMANENT SECRETARY

[Attech.]
Thank you

Georgina Alcantar, Chief of Environment and Climate Change Statistics Unit
Statistics Division