



***Expert Group of Environment Statistics***  
29 September 2022

**DA12 Project: Climate Change and Disaster  
Statistics in the Caribbean**

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Economic Commission for Latin America and the Caribbean



UNITED NATIONS

ECLAC

# Background

- **Title:** “2023Q Caribbean SIDS relevant climate change and disasters indicators for evidence-based policies”
- **Funded** by the 12th tranche of the United Nations Development Account
- **Implemented period:** 2021-2023
- **Responsible:** ECLAC’s Statistics Division and Sub regional Office for the Caribbean
- Strategy: “**Caribbean First**” which ensure the development of specific capacities on climate change and disaster statistics at the national and subregional level.
- Respond: **Resolution 98** (XXVII) of the Caribbean Development and Cooperation Committee.
- **Collaborating partners:**  
UNSD, Escazú Agreement, Organisation of Eastern Caribbean States (OECS) and CARICOM.  
Recently PARIS21 and Caribbean Disaster Emergency Management Agency (CDEMA).



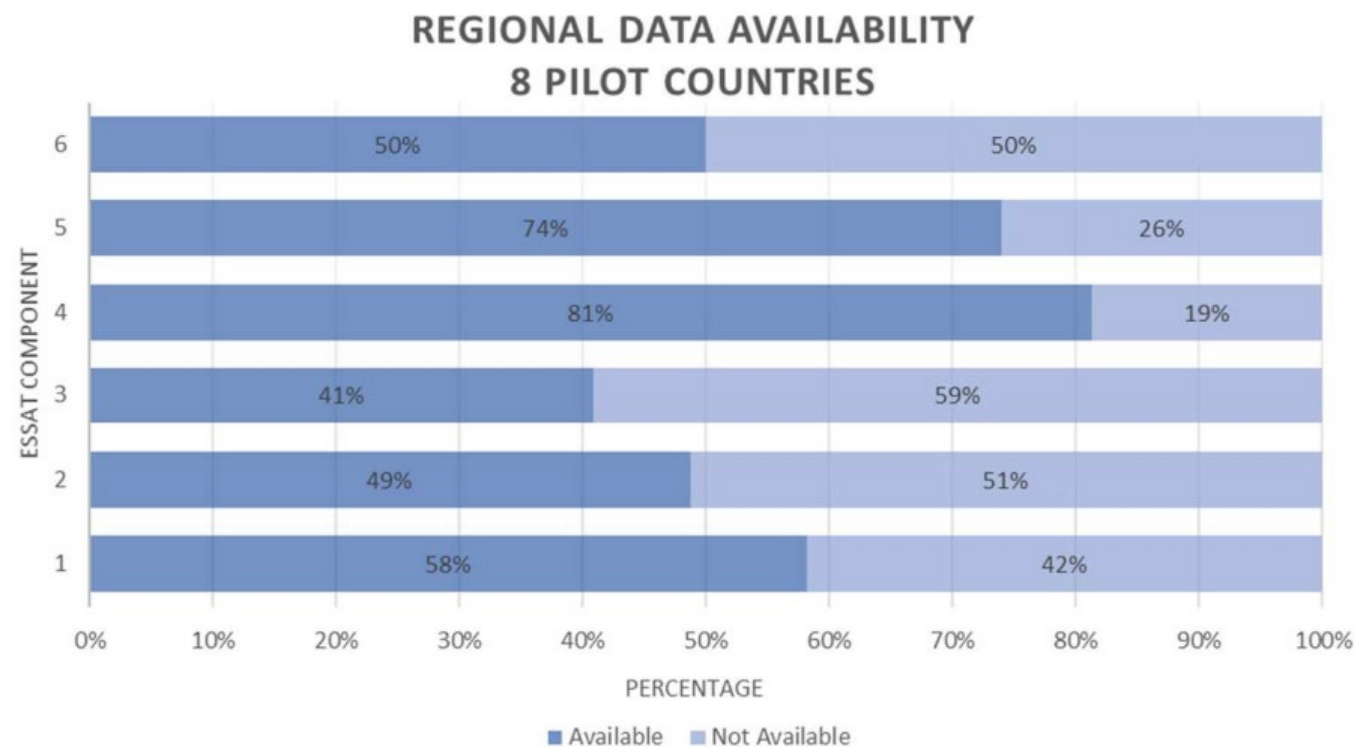


# Environment Statistics Self-Assessment Tool (ESSAT)

Conducting a diagnosis on the availability of environmental statistics using the **Environment Statistics Self-Assessment Tool (ESSAT)** for eight Caribbean Countries: Suriname, St. Lucia, Antigua & Barbuda, St. Kitts & Nevis, Dominica, St. Vincent & the Grenadines, Grenada, and Belize.

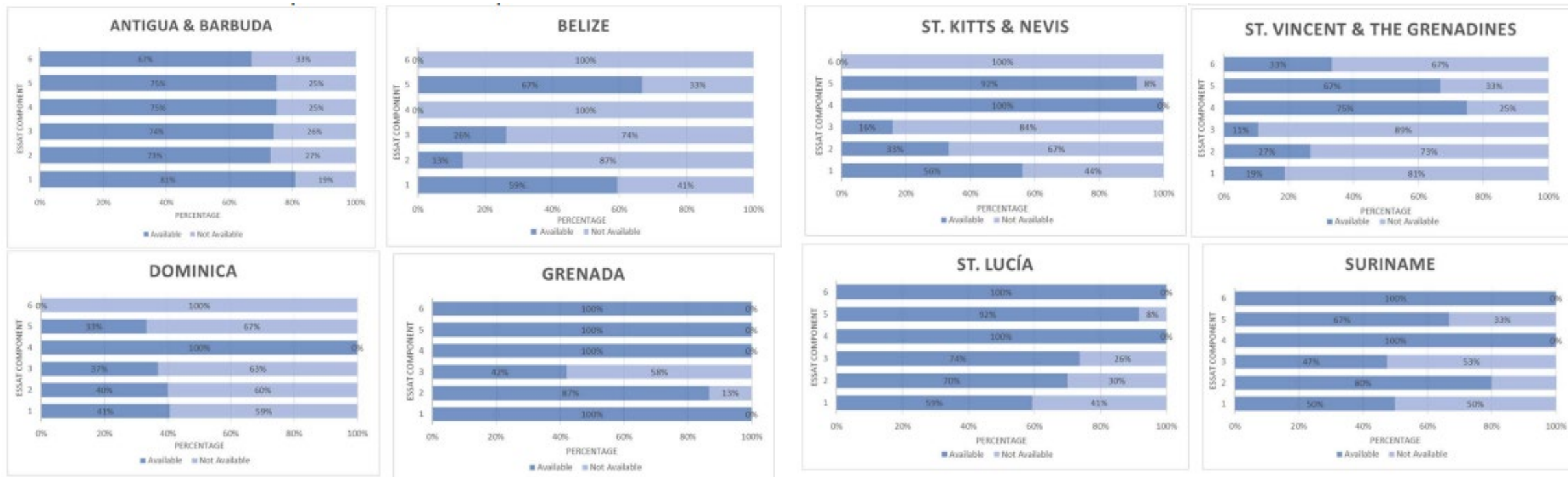
FDES component abbreviations:

- 6 Environmental protection, management, and engagement.
- 5 Human Settlements and Environmental Health
- 4 Extreme events and disasters
- 3 Residuals
- 2 Environmental resources and their use
- 1 Environmental conditions and quality



Source: Elaborated by the authors, 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.

# Environment Statistics Self-Assessment Tool (ESSAT)



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

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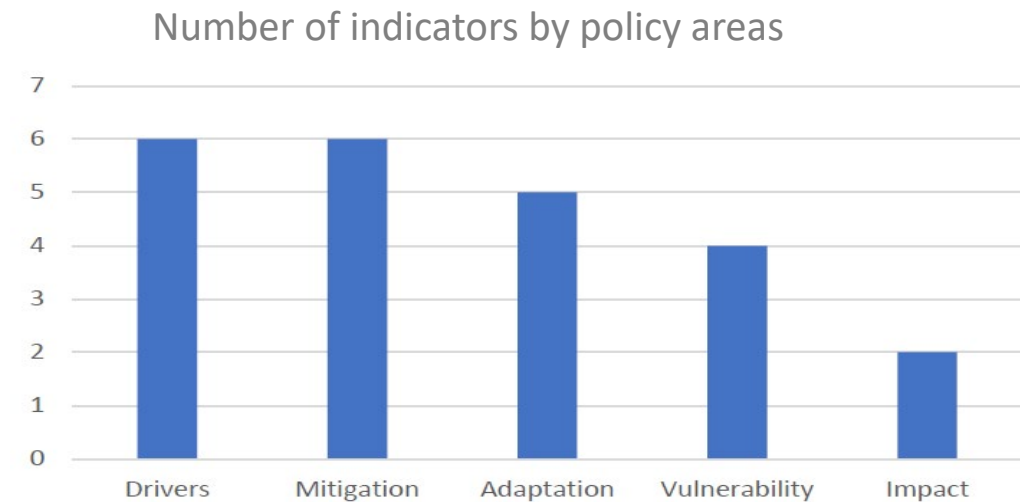
# Hybrid workshops and exercises: Global Set of Climate Change Statistics and Indicators

**Six workshops** with data producers and users and the **Global Set of Climate Change statistics and indicators**

## Objectives:

- Identify data and capacity gaps on environmental, climate change and disaster statistics and indicators.
- Identify areas of opportunity to integrate, compile and maintain a National Environmental Information System or strengthen existing one
- Improve national capacities to build environment, climate change and disasters indicators and its metadata
- Understand how geospatial data can enhance the development of environmental, climate change, and disaster indicators for effective policy making

Policy Area	Most voted indicators by countries in national workshops
Drivers	<ul style="list-style-type: none"> <li>Ind 17 – Population growth</li> <li>Ind 15 – Fossil fuel dependency</li> <li>Ind 22 – Deforested area as a proportion of total forest area</li> </ul>
Impacts	<ul style="list-style-type: none"> <li>Ind 33 – Reduction of surface water bodies</li> <li>Ind 38 – Water quality</li> <li>Ind 47 – Sea level-rise</li> </ul>
Vulnerability	<ul style="list-style-type: none"> <li>Ind 88 – Vulnerable or fragile ecosystems</li> <li>Ind 100 – Proportion of population living in coastal areas</li> <li>Ind 106 – Coastal area vulnerable to climate change</li> <li>Ind 108 – Water bodies vulnerable to climate change impacts</li> </ul>
Mitigation	<ul style="list-style-type: none"> <li>Ind 109 - Production of renewable energy as a proportion of total energy production</li> <li>Ind 120 – Climate change mitigation technology</li> <li>Ind 125 – Increase in forest area</li> </ul>
Adaptation	<ul style="list-style-type: none"> <li>Ind 136 - Coverage of early warning systems</li> <li>Ind 153 – Water monitoring systems</li> </ul>



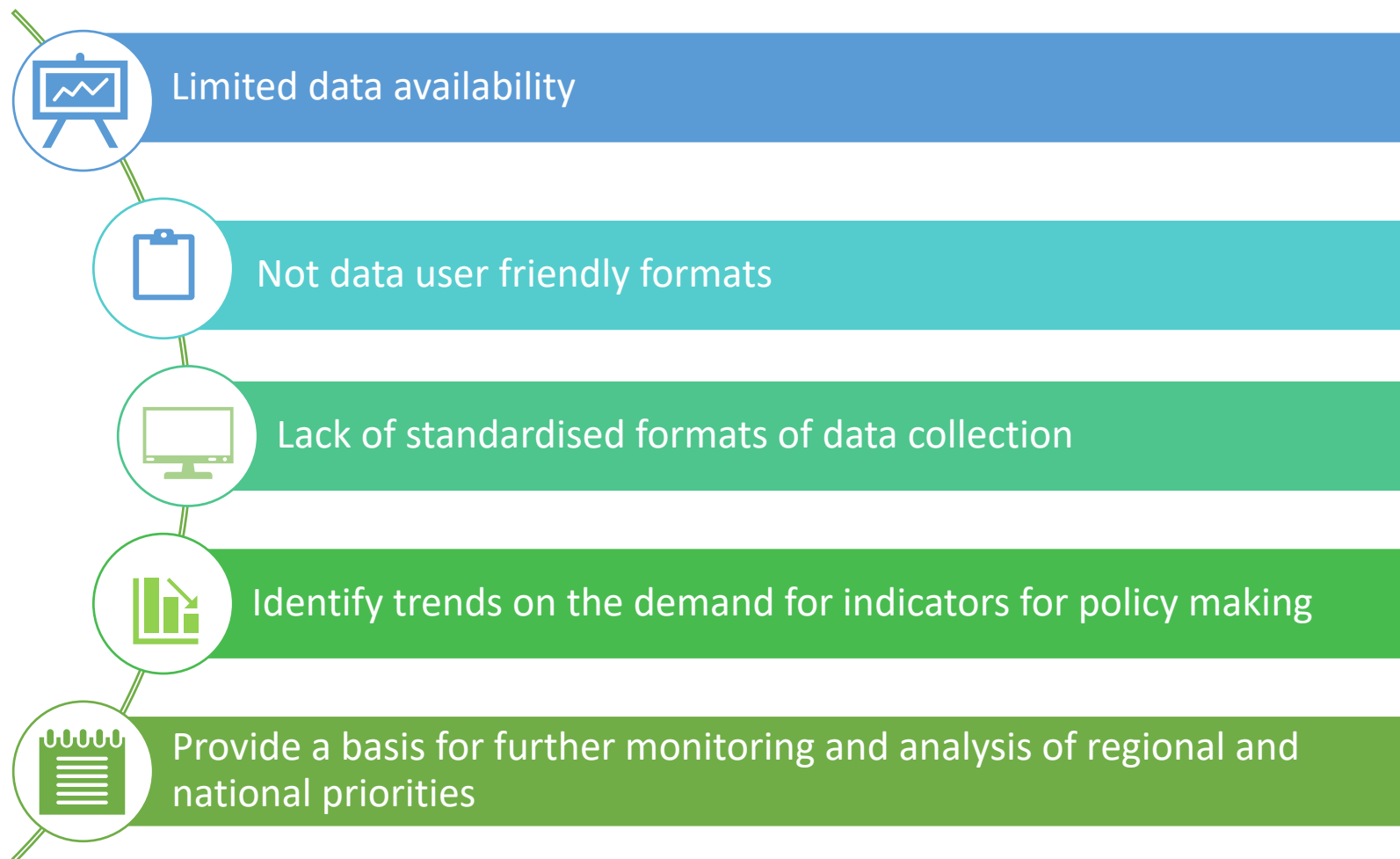


# Workshops and Events



# THE WAY FORWARD

## Challenges on the production and dissemination of new and relevant indicators







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