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Economic Commission for Latin America and the Caribbean (ECLAC)

ECLAC

Current situation in climate change data in the Caribbean region (1/2)

Statistical challenges:

- **Insufficient indicators production:** indicators production does not match with the ever-growing information need for evidence-based policymaking and the SIDS agenda
- **Limited availability and use of data:** statistical agencies are unable to access administrative data to generate relevant statistics and the use of non-traditional sources is not being fully leveraged. In addition, the irregular production of statistics (and indicators) in emerging domains within the SENs
- **Inadequate conceptual coordination:** concepts, definitions, methodologies, standards, classifications and geographic demarcations of climate change and disaster data within a single country are often not harmonized

Institutional challenges:

- **Limited statistical systems:** national statistical systems are often not institutionalized, mainly because there is no interinstitutional between the NSO and sectoral Ministries
- **Lack of institutional coordination:** data producers are often not linked by a legal or functional system to ensure that they act as a component of a single system.
- **Scarce resources:** statistical units and agencies are often understaffed, and many of them rely on external support to generate the required data



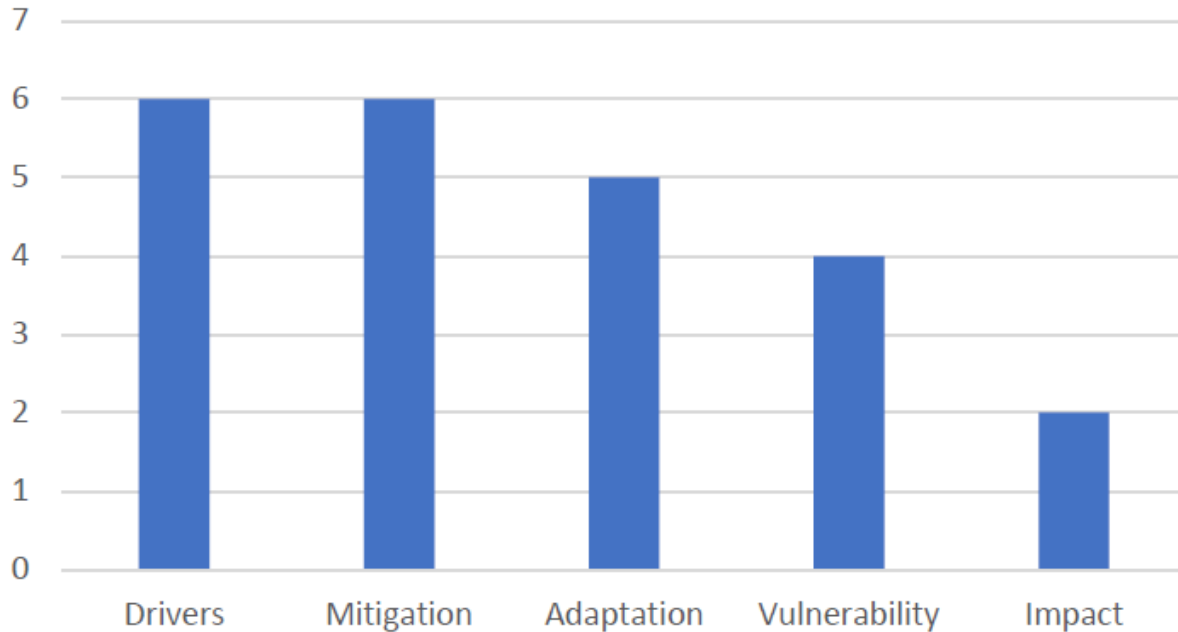
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Current situation in climate change data in the Caribbean region (1/2)

Number of indicators by policy areas



Most of the climate change data and indicators in the Caribbean region fall in the areas of drivers and mitigation, leaving the areas of impact and vulnerability with the least number of new indicators.

It only shows that impact and vulnerability are the areas with more significant data gaps, according to the results acknowledge within virtual and hybrid workshops events driven by the ECLAC project, based on the Global Set of Climate Change Statistics and Indicators



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Statistics Division main lines of work (1/2)

1. Technical Assistance

Provide technical support to countries of the Latin America and the Caribbean region for the development and strengthening of national capacities to produce environment and climate change statistics and indicators

2. Seminars and Regional Workshops

Prepare, implement and follow-up regional seminars and workshops, and foster peer learning among countries in the region

3. Regional Network of Environment Statistics for Latin America

Facilitate a space for exchange, discussion and dissemination of the environmental statistical heritage of Latin America

<https://comunidades.cepal.org/estadisticas-ambientales/es>

4. Statistical methods and recommendations

Compile and disseminate international methods and recommendations for the strengthening and harmonization of environment statistics in the region

5. Libguide on Environmental statistics and climate change for Latin America and the Caribbean

Provide information about the environment, its most important changes over time and across locations and the main factors that influence them

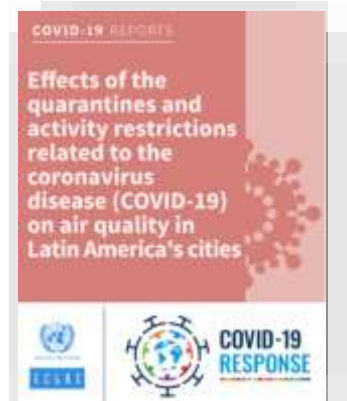
<https://biblioguias.cepal.org/environmental-statistics-en>



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Statistics Division main lines of work (1/2)



6. Technical Secretariat of the Working Group on Environment Statistics

Serve as Technical Secretariat of the Working Group on Environment Statistics of the Statistical Conference of the Americas of the ECLAC (SCA-ECLAC).

7. Statistical Database CEPALSTAT

Presents relevant official statistics for the region, produced by national and international organizations

<https://statistics.cepal.org/portal/cepalstat/index.html?lang=en>

8. Statistical Yearbook for Latin America and the Caribbean

The yearbook contains a chapter that visually presents relevant environment indicators for the countries of the region

<https://www.cepal.org/en/taxonomy/term/8140>

9. ECLAC Statistical Briefings

Bimonthly publication containing short monographic articles on statistical topics

<https://repositorio.cepal.org/handle/11362/47989?locale-attribute=en>

10. Effects of the quarantines and activity restrictions related to the coronavirus disease (COVID-19) on air quality in Latin America's cities



ECLAC Project: Caribbean SIDS opportunity related to climate change and disasters statistics and indicators production

January 2020 - June 2023



- **Responsible:**

ECLAC's Statistics Division and Sub regional Office for the Caribbean

- **Objective:**

To **enhance the climate change and disaster risk reduction statistical and institutional capacities** of target countries in the Caribbean to improve policy coherence in the implementation of the SDGs, the SAMOA Pathway, the Paris Agreement, and the Sendai Framework.

- **Expected Outcomes:**

1. Strengthened national statistical and institutional capacities of Caribbean SIDS to sustainably produce and disseminate relevant internationally agreed climate change and disaster risk reduction indicators
2. Strengthened regional capacities of Caribbean SIDS stakeholders to use the indicators for sustainable evidence-based development policies

- **Structure to strengthen the technical capacity of the countries:**

- Diagnosis & workshop preparation
- Live workshops and exercises
- Follow-up activities



Countries applying the **Environment Statistics Self-Assessment Tool (ESSAT)** and the **Global Set of Climate Change Statistics and Indicators**. UNSD and CARICOM are collaborating partners.

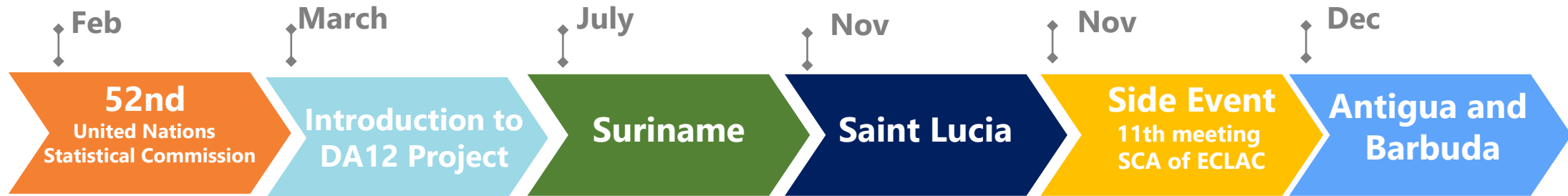


ECLAC Project: Events pictures

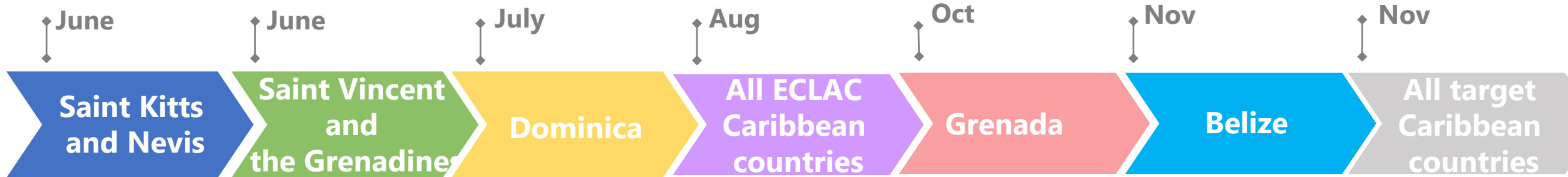


ECLAC Project activities with participation of CARICOM and OECS

2021



2022



2023



Advances by Country

Activities and products	Saint Lucia	Antigua And Barbuda	Suriname
1. Environment Statistics Self-Assessment Tool (ESSAT) – Part I and II	✓	✓	✓
2. Report analysis ESSAT	✓	✓	✓
3. Live workshop and new indicators build	✓	✓	✓
4. Report analysis Workshop	✓	✓	✓
5. Follow-up activities	✓	✓	✓
	100%	100%	100%

Activities and products	Dominica	St. Vincent & Grenadines	Belize	Saint Kitts and Nevis	Grenada
1. Environment Statistics Self-Assessment Tool (ESSAT) – Part I and II	✓	✓	✓	✓	✓
2. Report analysis ESSAT					
3. Live workshop and new indicators build	✓	✓		✓	
4. Report analysis Workshop					
5. Follow-up activities					
	32%	38%	35%	40%	35%

ECLAC Project: Outputs

Regional Network of Environment and Climate Change Statistics

Regional Network of Environment and Climate Change Statistics

The creation of a Regional Network of Environment and Climate Change Statistics is a key objective of the ECLAC 2022-2026 Strategic Plan. This network will be a key instrument for the implementation of the ECLAC 2022-2026 Strategic Plan, aimed at strengthening the capacity of countries in the region to produce and disseminate high-quality environmental and climate change statistics, and to ensure that these statistics are accessible and understandable to the public.

International Climate and Poverty Initiative Satellite Data Program

Report on the State of Climate in Latin America and the Caribbean (2022)

National: The Climate Change Knowledge Database

World Leaders: The National Environmental Information System (NEIS)

Active discussion groups

National and Regional Events

National Environmental Information Systems in the Caribbean

Environment and Climate Change Statistical Compendia produced by Caribbean Countries

Online Course: "Introduction to Environment Statistics Caribbean Region"

Introduction to Environment Statistics - Caribbean Region 2022

General Introduction

General Course Instructions

Documents

Module 1 - Introduction to Environment Statistics

Objective

Welcome to this course and a introduction to the environment statistics domain and the importance of quantitative environmental information in the context of a growing global, regional, and national reliance on data.

CONTENT

1. Introduction to environment statistics

2. Statistical production: Basic notions about data, statistics and indicators and the main methodologies

3. National Environmental Information Systems (NEIS) as a powerful instrument to integrate and disseminate data in a variety of areas in environmental and climate change

4. ECLAC's role in the development of environmental statistics

5. Course closure

6. Course evaluation survey

7. Certificate

8. Privacy Policy

9. Course feedback

10. My progress

11. Feedback

Subregional event: “Strengthening environment, climate change and disaster information in the Caribbean”

The Caribbean region needs **urgent actions to mitigate and adapt to climate change**.

The complexity of this climate crisis demands a **data-driven response at global, regional, national, and local levels**.

Countries not only need high quality data to monitor, report and analyse changes in climate, they also need data to inform and accelerate mitigation and adaptation actions.

ECLAC and **PARIS21** are synergising efforts to better equip Caribbean countries to develop climate change data ecosystems for more effective reporting and evidence-based climate actions.

The objectives of this event are to:

- **Understand** better the critical climate change data capacity development areas that enable a coherent and sustained functioning of a climate change data ecosystem in low-resource and low-capacity contexts
- **Identify** emerging good practices in the Caribbean region and promote knowledge sharing
- **Showcase** new innovative tools developed by ECLAC to promote sustained technical capacity building for climate change and environment indicators





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