

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 Introductory presentation

Georgina Alcantar, Chief of Environment and Climate Change Statistics Unit

Statistics Division



UNITED NATIONS



ECLAC Project DA12

- **Title:** “Caribbean SIDS relevant climate change and disasters indicators for evidence-based policies”
- **8 Pilot countries:** Antigua and Barbuda, Belize, Dominica, Grenada, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, and Suriname.
- **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.



ECLAC Project DA12

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 promote the technical capacity of the countries:

- Diagnosis with the ESSAT and the Global Set of Climate Change Statistics and indicators
- Workshop preparation
- Live workshops and exercises
- Follow-up activities.

Our closest partners: UNSD, OECS, CARICOM, UNDRR, Escazú Agreement, and PARIS21.

Methodology of work

Previous diagnosis & workshop preparation

Work along with the country to fill up the self-diagnosis of availability of environmental data (Global Set + **ESSAT**)

Coordinate with the Focal Point for logistics of virtual workshop

- **Statistic Office**
- **Environmental Authority**

Live workshops and exercises

Targeted audience (producers and users): NSO, Ministries, Environmental Authorities, Disaster Risk Reduction/ Emergency authorities, sectoral authorities, universities, research centers, and private sector.
3 days of Workshop based on initial self-diagnosis.

Methodological work with statistical techniques, practical exercises, build indicators and develop methodological sheets

Follow-up activities

Feedback to methodological sheets of the indicators built
Develop a report where the availability of national information is evaluated and synthesized

Identify **future work with statistics, indicators or technical training** by country

Methodology of work

Previous diagnosis & workshop preparation

Work along with the country to fill up the self-diagnosis of availability of environmental data (Global Set + **ESSAT**)

Coordinate with the Focal Point for logistics of virtual workshop

- **Statistic Office**
- **Environmental Authority**

Live workshops and exercises

Targeted audience (producers and users): NSO, Ministries, Environmental Authorities, Disaster Risk Reduction/ Emergency authorities, sectoral authorities, universities, research centers, and private sector.
3 days of Workshop based on initial self-diagnosis.

Methodological work with statistical techniques, practical exercises, build indicators and develop methodological sheets

Follow-up activities

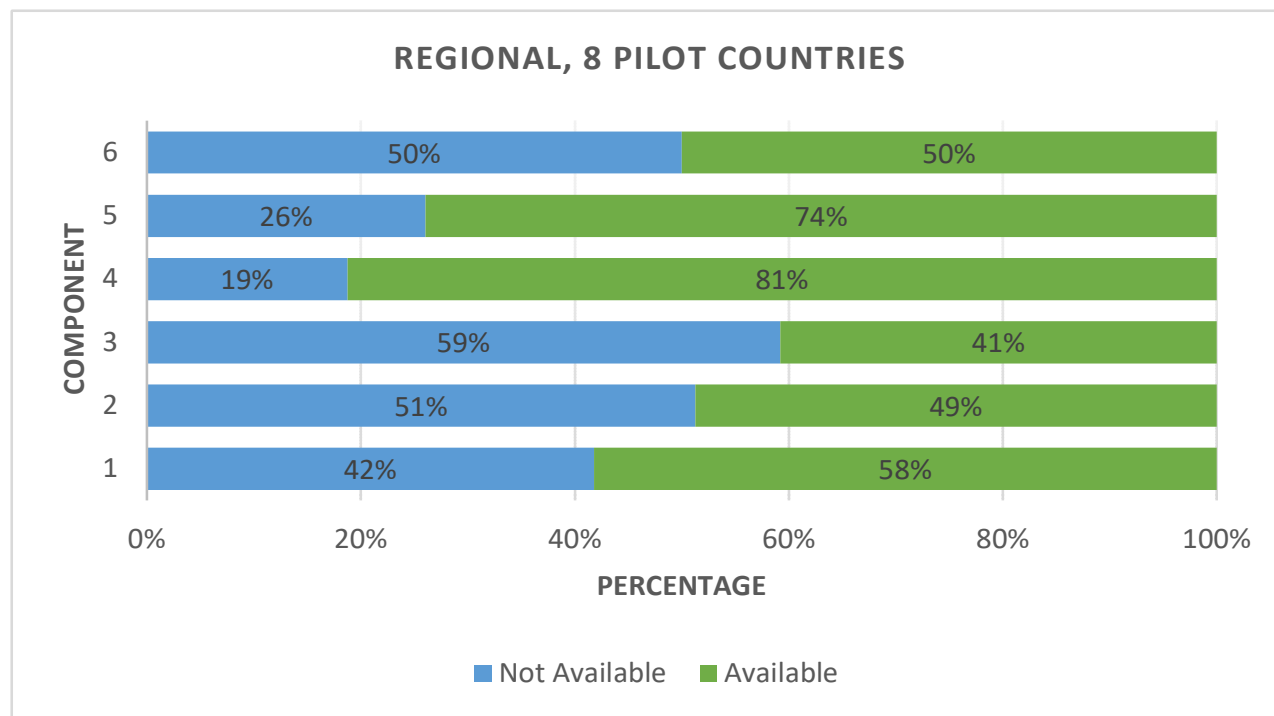
Feedback to methodological sheets of the indicators built
Develop a report where the availability of national information is evaluated and synthesized

Identify **future work with statistics, indicators or technical training** by country

Diagnosis

Environmental Statistic Self-Assessment Tool (ESSAT)

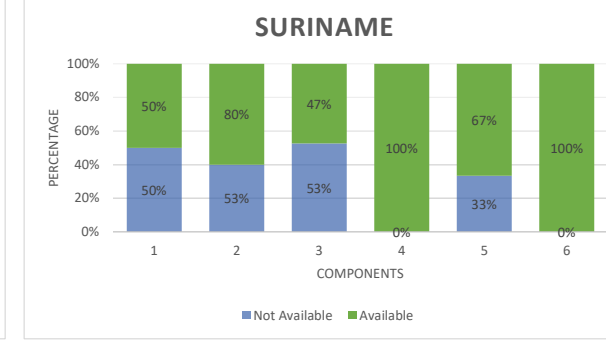
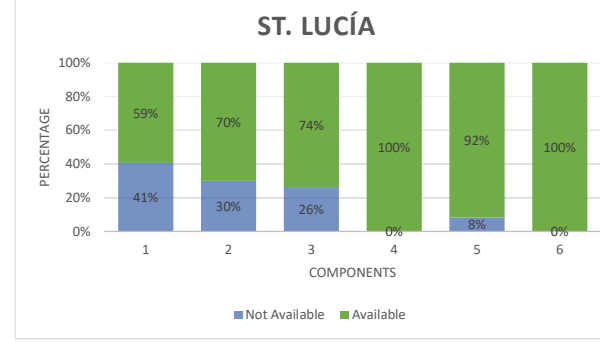
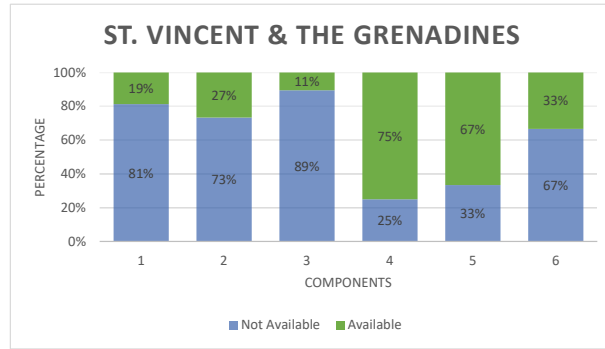
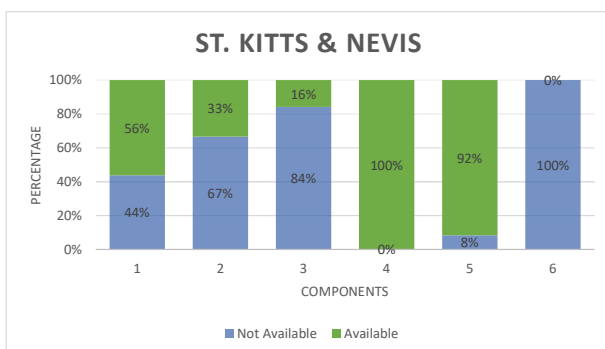
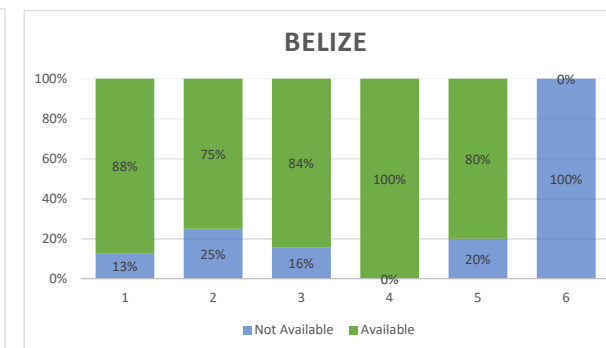
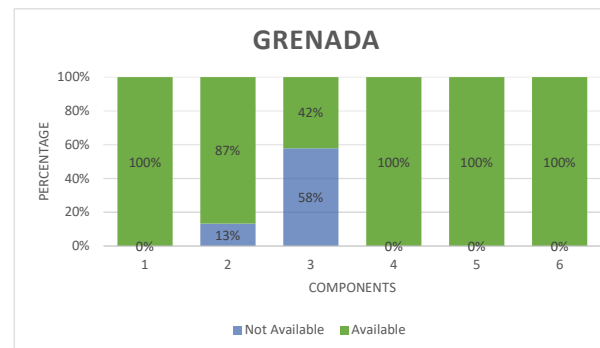
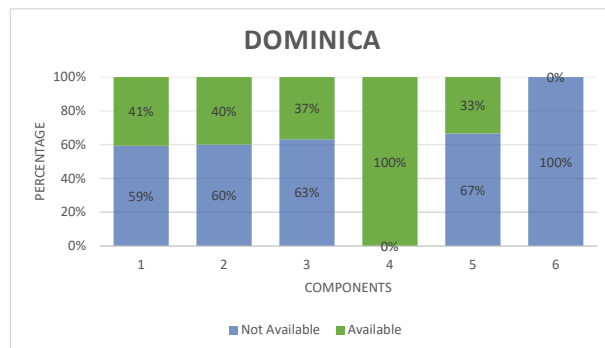
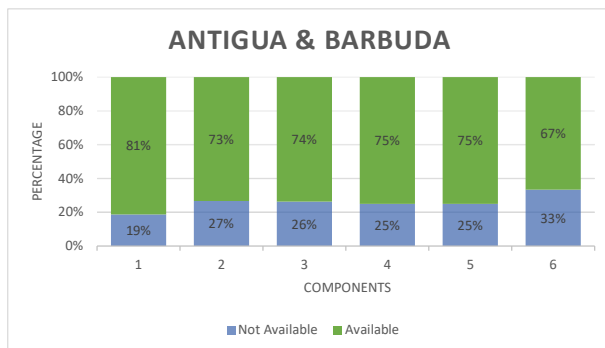
Conducting a diagnosis on the availability of environmental statistics using the **Environmental Statistic Self-Assessment Tool (ESSAT)** in Antigua and Barbuda, Belize, Dominica, Grenada, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, and Suriname.



Source: Elaborate by the authors, based on project information. FDES component abbreviations: 1. Environmental conditions and quality; 2. Environmental resources and their use; 3. Residuals; 4. Extreme events and disasters; 5. Human Settlements and Environmental Health; 6. Environmental protection, management, and engagement. This data does not consider the total amount of statistics per component, only the 100 statistics included in the Tier 1.

Diagnosis

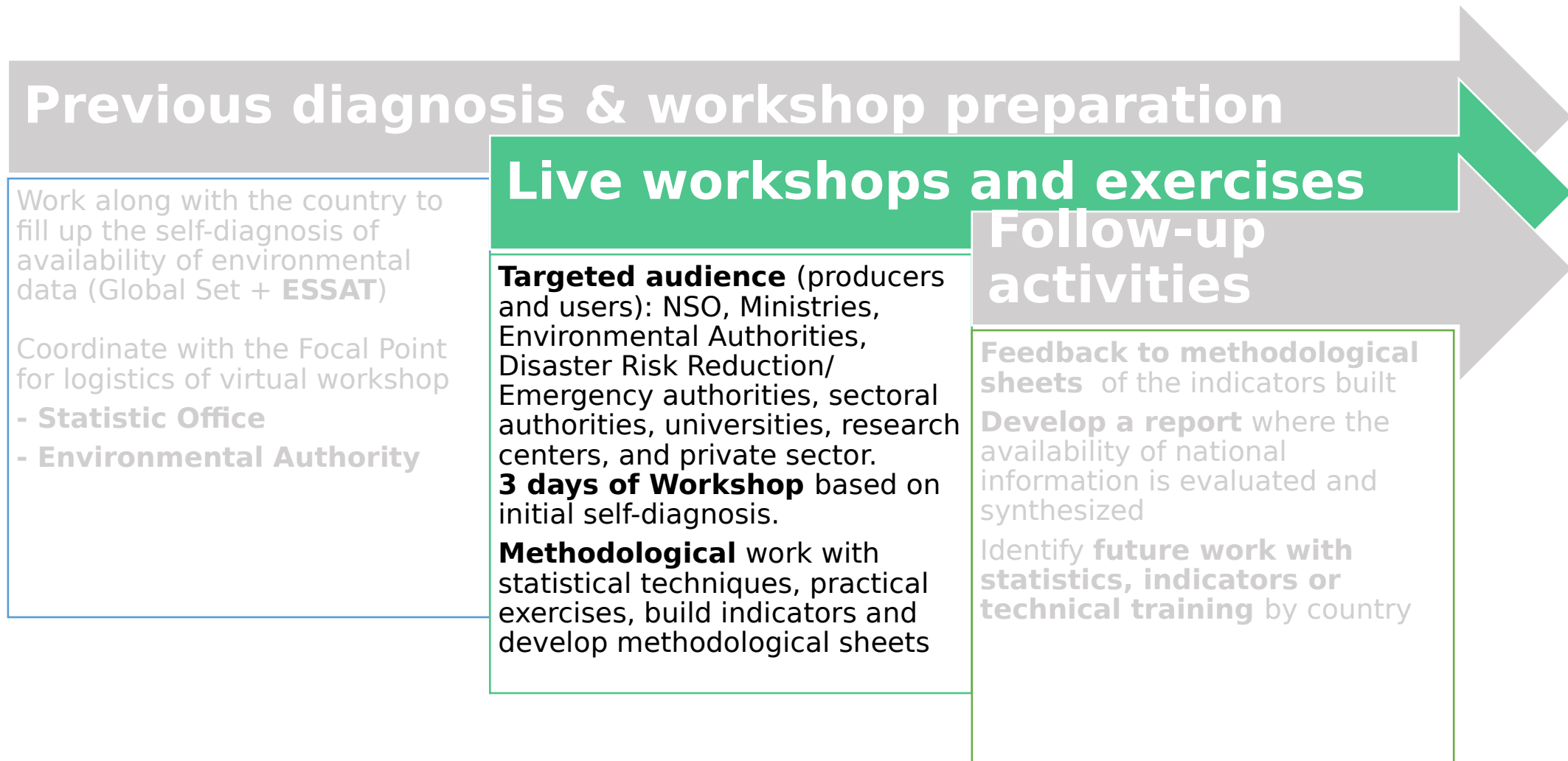
Environmental Statistic Self-Assessment Tool (ESSAT)



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

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.

Methodology of work



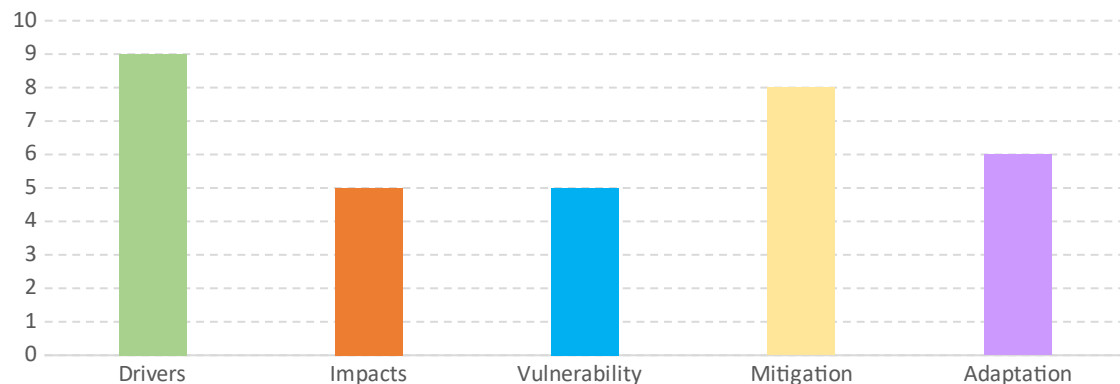
ECLAC Project DA12: National workshops



ECLAC Project DA12: National workshops

Eight national workshop with data producers and users and the Global Set of Climate Change statistics and indicators:

- 33 calculated indicators (average, 4 by country)
- For three main national climate change and disaster issues, identified the status of the demand for statistics and indicators
- For the indicators built during the workshop, identified the main challenges and enablers associated with the dissemination and sustainability
- 154 participants attended



Climate change and Disaster Indicators built in the Caribbean Region	
Countries	Built indicators during national workshops
Antigua and Barbuda	Drivers – Ind. 24. Livestock unit per agricultural area
	Vulnerability – Ind. 94. Net energy import as a proportion of total energy supply
	Mitigation – Ind. 110. Renewable energy share in the total final energy consumption
	Adaptation – Ind. 144. Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type
Dominica	Drivers – Ind. 12. Share of fossil fuels in total energy supply
	Adaptation – Ind. 156. Municipal waste collected per capita
	Vulnerability – Ind. 100. Proportion of population living in coastal areas
	Mitigation – Ind. 125. Increase in forest area
Saint Lucia	Drivers – Ind. 1. Total green house gas emissions per year
	Impact – Ind. 53. Temperature records
	Adaptation – Ind. 156. Municipal waste collected per capita
Saint Kitts and Nevis	Drivers – Ind. 12. Share of fossil fuels in total energy supply
	Drivers – Ind. 3. Green house gas emissions from land use, land use change and forestry
	Mitigation – Ind. 125. Increase in forest area
Saint Vincent and the Grenadines	Adaptation – Ind. 156. Municipal waste collected per capita
	Vulnerability – Ind. 100. Proportion of population living in coastal areas
	Mitigation – Ind. 125. Increase in forest area
Suriname	Drivers – Ind. 1. Total green house gas emissions per year
	Impact – Ind. 42. Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population
	Vulnerability – Ind. 98. Proportion of population using safety managed drinking water services
	Mitigation – Ind. 125. Increase in forest area
Grenada	Adaptation – Ind. 156. Municipal waste collected per capita
	Drivers – Ind. 19. Number of fossil fuels driven vehicles per capita
	Impact – Ind. Total rainfall anomaly
	Vulnerability – Ind. 90. Ecosystem carbon stocks
Belize	Mitigation – Ind. 125. Increase in forest area
	Adaptation – Ind. 156. Municipal waste collected per capita
	Drivers – Ind. 10. Total energy production from fossil fuels
	Drivers – Ind. 18. Urban population as a proportion of total population
	Impact – Ind. 31. Forest area as a proportion of total land area
Impact – Ind. 53. Temperature records	
Mitigation – Ind. 109. Production of renewable energy as a proportion of total energy production	

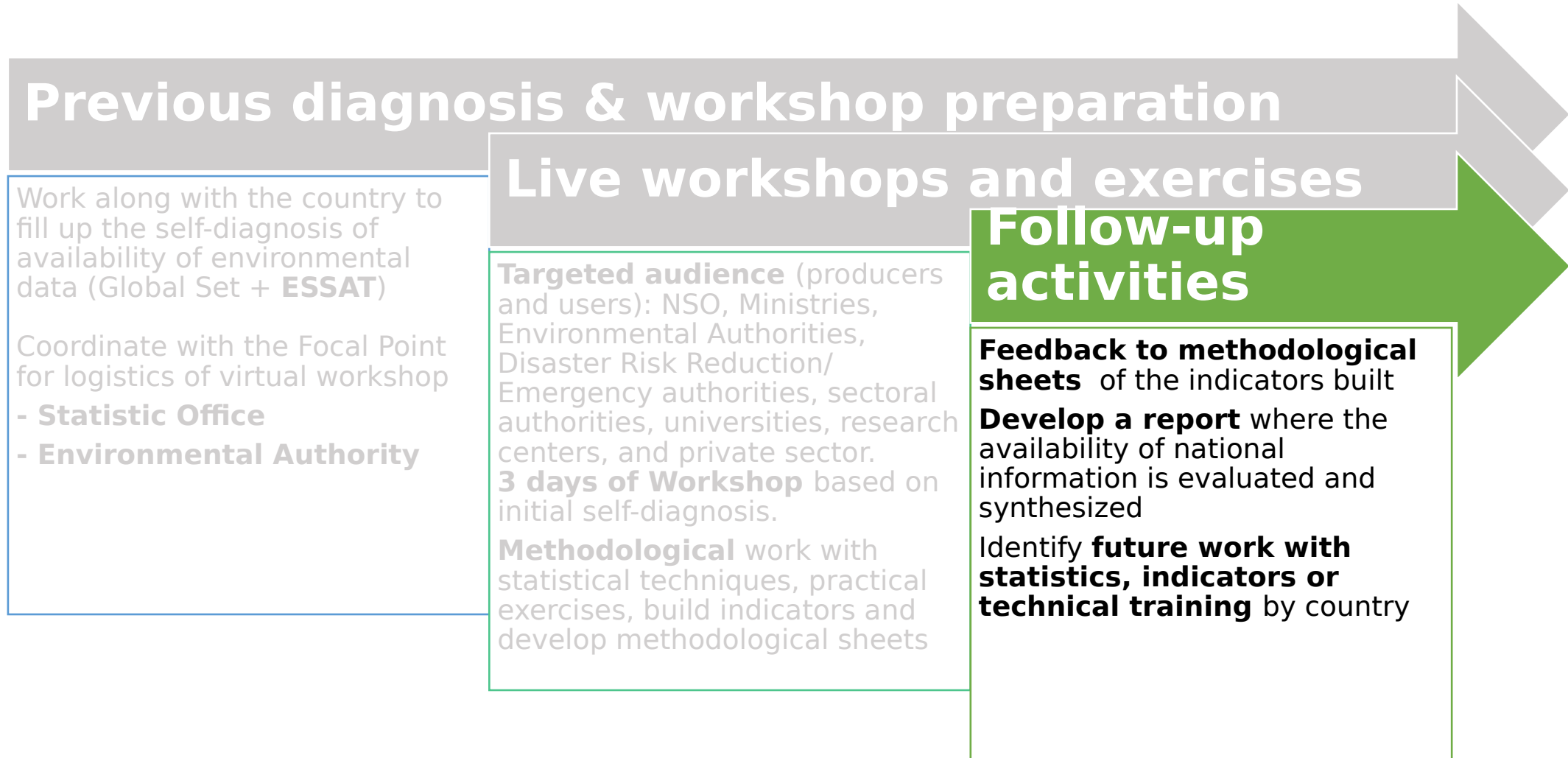
ECLAC Project DA12: Events

Three Side Events and two Subregional Event with data producers and users and the **Global Set of Climate Change statistics and indicators**:

- Almost 500 participants attended
- Understand the opportunities and challenges related to climate change and disasters indicators production in the LAC region
- Explored the links between statistical production and policymaking related to climate change adaptation and resilience
- Discussed innovations and ways to improve the production of climate change and disaster statistics and indicators in the SIDS context



Methodology of work



ECLAC Project DA12: Follow-up

Regional Network of Environment and Climate Change Statistics

Regional Network of Environment and Climate Change Statistics

The Latin American Regional Network (Spanish version) was launched in December 2017 in the city of Bogotá, the Caribbean Regional Network (English version) was adopted in 2022 under the activities of the Development Regional Council. The general objective is to strengthen the production and use of environment and climate change data, statistics, indicators, and environmental accounts in the countries and the region for supporting an informed basis for exchanging, discussing, and disseminating information relevant to environment and climate change statistics.

International Climate and Forests Initiative Satellite Data Program

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

Suriname: The Climate Change Knowledge Database

Saint Lucia: 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

View all groups

Online Course: "Introduction to Environment Statistics Caribbean Region"

Introduction to Environment Statistics - Caribbean Region 2022

Dashboard / My courses / EnvironmentStats2022

Turn editing on

General Introduction

Announcements

Discussion Forums (among students)

Webinars

Certificates

General Course Instructions

Documents

Module 1 - Introduction to Environment Statistics

Objective

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

CONTENT

Video - Introduction and welcome to the course

Right Change from ECLAC assess the objectives and guidelines of the online course 'Introduction to Environment Statistics'

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

The road of the Project



Final regional workshop of the project

Why are we here?

- We are finishing the project
- Present the last outcomes: Platform Resilience
- Share our learned lessons during the process
- Announce the accomplishments
- Data Communications for Advancing Climate Action
- Identify scenarios for further strengthening the technical capacities of the countries



Follow us on:



<https://www.cepal.org/en>



https://twitter.com/eclac_un



<https://www.facebook.com/eclac>



<https://www.youtube.com/user/ECLACUN>



<https://www.flickr.com/photos/eclac>

Thank you

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

Statistics Division



UNITED NATIONS

ECLAC



years

Working for
a productive, inclusive
and sustainable future