



National workshop:

Generating climate change and disaster indicators for policy decision-making in Belize

9 – 11 November 2022

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Background

The Caribbean region is acutely threatened by climate change, particularly the Small Island Developing States (SIDS). Belize is no exception. The country is situated in the tropical cyclone belts and is directly exposed to the forces of the oceans. And as a small geographical area, disasters might affect vast proportions of the country. Availability of quality statistics and indicators are crucial to effectively respond to the effects of climate change and build resilience.

In this context, the ECLAC's Statistics Division, sub regional Office for the Caribbean, in collaboration with the Sustainable Development and Human Settlements Division, are joining efforts to enhance the production and use of key indicators and metrics to monitor and adapt to the effects of climate change and strengthen Environmental Information Systems (EIS). These efforts, supported by the Development Account of the United Nations, aim to advance the environmental pillar of the 2030 Agenda and improve policy coherence in the implementation of the Escazú Agreement, the Revised St. George's Declaration (SGD 2040), the SAMOA Pathway, the Paris Agreement, and the Sendai Framework.

Objectives

- 1) Train the participants to build selected environment, climate change and disaster indicators and its metadata.
- 2) Identify data and capacity gaps to develop an Environmental Information System (EIS) and build a regional resilience platform.
- 3) Have a better understanding of how geospatial data can enhance the use of environment, climate change and disaster indicators for effective decision making.

Expected outcomes

- 1) At least five prioritized climate change and disasters indicator and its metadata are available at the end of the workshop.
- 2) A selection of prioritized indicators from the Global Set of Climate Change Indicators are identified for Belize.
- 3) Follow up steps to build further selected climate change and disasters indicators are agreed with the national focal points from the Statistical Institute of Belize and the Ministry of Sustainable Development, Climate Change & Disaster Risk Management.



WORKSHOP PROGRAM

DAY 1 – Tuesday, 9 November 2022

09:00 – 09:20 Registration of the participants

Facilitator: [Mr. Abdullahi Abdulkadri](#), Coordinator of Statistics and Social Development Unit, ECLAC Caribbean

Inaugural session and introduction to the workshop

09:20 – 10:05

[Mr. Edgar Ek](#), Deputy Director, Department of the Environment, Ministry of Sustainable Development, Climate Change & Disaster Risk Management, 5'

[Mrs. Diana Castillo-Trejo](#), Ag. Director General, Statistical Institute of Belize, 5'

[Ms. Faustina Wiggins](#), Project Officer, CARICOM Secretariat, 5'

[Mrs. Reena Shah](#), Chief, Environment Statistics Section, UNSD, 5'

[Mr. Rolando Ocampo](#), Subregional Headquarters for the Caribbean, ECLAC, 5'

Photo of the authorities, 5'

Note: Media will be invited to attend the inaugural session

10:05 – 10:20 Presentation of the participants, introduction and objectives of the workshop, [Mr. Francisco Jiménez](#), ECLAC, 15'

10:30 Coffee Break, 20'

1. Global and regional enabling frameworks and strategies

10:50 1.1 Regional work on environment statistics as a guiding force to improve availability of climate change and disasters statistics and indicators, [Ms. Faustina Wiggins](#), CARICOM Secretariat, 15'

11:05 1.2 Global Set of Climate Change Statistics and Indicators: a tool to identify multi-purpose indicators on climate change, [Mrs. Reena Shah](#), UNSD, 15'

11:20 1.3 The Escazú Agreement: a pathway to developing an Environmental Information System (EIS), [Mr. David Barrio](#), ECLAC, 15'

11:35 Q&A Session, 10'

2. Environment, climate change and disasters indicators for Belize needs and priorities

11:45 2.1 National policies and plans where environment, climate change and disaster indicators are required, [Ministry of Sustainable Development, Climate Change & Disaster Risk Management](#), 25'

12:10 Lunch break, 60'

13:10 2.2 **Group dynamic:** demand and priorities of indicators along the policy-making cycle, All, 60'

14:10 2.3 **Individual work:** Review a selected group of indicators from the Global Set of Climate Change Indicators and choose the most relevant for the country, All participants, [Mr. Alberto Malmierca](#), ECLAC, 40'

14:50 2.4 Choosing the indicator to be built during the workshop, [Mr. Alberto Malmierca](#), ECLAC 10'

15:00 Conclusion of the day and what to expect for day 1, [Ms. Georgina Alcantar](#), ECLAC, 5'

15:05 End of day 1, [Mr. Abdullahi Abdulkadri](#), ECLAC

DAY 2 – Wednesday, 10 November 2022

Facilitator: [Ms. Janet Geoghagen-Martin](#), Environment and Climate Change Statistics Unit, ECLAC Headquarters

09:00 Registration of the participants, 20'

09:20 Introduction and recap from Day 1, 10'

3. Environment Statistics Self-Assessment Tool in Belize: where do we stand and the way forward?

09:30 3.1 Overview of Belize ESSAT result and prioritized list, [Mr. Edgar Ek](#), Department of Environment, Ministry of Sustainable Development, Climate Change & Disaster Risk Management, & [TBD](#), Statistical Institute of Belize, 20'

09:50 Discussion and feedback from the participants, 20'

10:10 Coffee Break, 20'

4. Tools and guides to produce environment, climate change and disaster statistics and indicators

10:30 4.1 Framework for the Development of Environment Statistics (FDES), [Ms. Robin Carrington](#), UNSD, 15'

10:45 4.2 From data to environment, climate change and disaster statistics and indicators and statistical classifications and typologies, [Ms. Janet Geoghagen-Martin](#), ECLAC, 15'

11:00 4.3 The geospatial dimension of environment, climate change and disaster statistics and indicators, [Mr. Francisco Jiménez](#), ECLAC, 15'

11:15 4.4 ECLAC's methodology to produce environment, climate change and disasters indicators, [Ms. Georgina Alcantar](#), ECLAC, 25'

11:40 4.5 How to develop a methodological sheet & examples of methodological sheets, [Mr. Alberto Malmierca](#), ECLAC, 15'

12:00 Lunch break, 60'

13:00 4.5 Interactive quiz on Methodological Sheet (Slido), [Ms. Janet Geoghagen-Martin](#) and [Mr. Francisco Jiménez](#), ECLAC, 15'

5. Building selected environment climate change and disaster indicators with national data

13:15 5.1 Instructions for group work, [Ms. Janet Geoghagen-Martin](#), ECLAC, 10'

13:25 **5.2 Group work:** building selected climate change and disasters indicators and their methodological sheets – All, 85'

14:50 Conclusions of the day and what to expect for day 3, [Ms. Janet Geoghagen-Martin](#), ECLAC 10'

15:00 End of day 2, [Mr. Abdullahi Abdulkadri](#), ECLAC



DAY 3 – Thursday, 11 November 2022

Facilitator: [Mr. Alberto Malmierca](#), Environment and Climate Change Statistics Unit, ECLAC

6. Recap from day 2 and introduction to day 3

09:00 Registration of the participants, 20'

09:20 Welcome to day 3 + Slido, [Ms. Janet Geoghagen-Martin](#) and [Mr. Francisco Jiménez](#), ECLAC, 15'

7. Presentation of group work results: indicators and methodological sheets

09:35 All groups present their indicators and methodological sheets, 60'

10:35 Coffee Break, 20'

8. Other sources of environmental information

10:55 8.1 Statistical Conference of the Americas working groups Disaster related statistics – UNDRR, 15'

11:10 8.2 Use of Environmental Administrative Records, 15' (tbc)

11:25 8.3 Open data from the private sector (Planet and Maxar), ECLAC, 15'

11:40 Q&A Session, 20'

12:00 Lunch break, 60'

9. Towards an environmental information system in Belize

13:00 9.1 Instructions for group work, [Ms. Janet Geoghagen-Martin](#), ECLAC, 10'

13:10 9.2 [Group work \(1/2\)](#): dissemination and sustainability of the new indicators: challenges & potential solutions, All, 40'

13:50 9.2 Reporting back from group work, 30'

14:20 9.3 Recommendations to establish an Environmental Information System, [Mr. Francisco Jiménez](#), ECLAC, 15'

14:35 9.4 Evaluation of the workshop, 10'

14:45 Closing remarks, 15'

[Mr. Lesley Cruz](#), Statistical Institute of Belize, 5'

[Ms. Kamil Salazar](#), Ministry of Sustainable Development, Climate Change & Disaster Risk Management, 5'

[Ms. Georgina Alcantar](#), Chief of Environment and Climate Change Statistics Unit, ECLAC, 5'

15:00 Delivery of Certificates & Group photo, 40'

15:40 End of the workshop [Mr. Abdullahi Abdulkadri](#) and [Ms. Georgina Alcantar](#), ECLAC