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Economic Commission for Latin America and the Caribbean (ECLAC)

# Introduction to Environment Statistics Caribbean Region



## Course Importance

This technical assistance and online training is intended to promote inter-institutional collaboration as an essential requirement for the construction and maintenance of a national environmental indicators system which will allow the implementation and monitoring of the 2030 Agenda for Sustainable Development



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# Agenda Contents

## Objectives



General and learning objectives and expected results

## Methodology



Blended methodology combining self-paced modules with weekly live webinars with the trainers

## Media



Multimedia, complementary reading materials and an evaluation

## Marking



The evaluation and approval of the course depends on criteria's

# Objectives

## General:

Upon the successful completion of this course, participants will be able to reinforce national capacities for the systematic and quality production of official environmental statistics and environmental indicators within a National Statistical System.

## Learning:

- Acknowledge and socialize the importance of the development of national environmental statistics and indicators
- Strengthen technical capacities for diagnosis and use of data available
- Analyze national SDG environmental indicators and review methodological sheets
- Promote and facilitate the use of international statistical frameworks to strengthen basic statistics and compile national environmental indicators
- Reinforce institutional statistical capacities involve in the measurement of the Sustainable Development Goals



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# Methodology

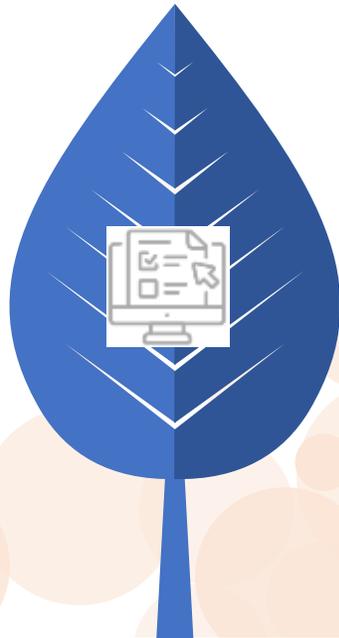
## Platform

The course is delivered through the **Modular Object-Oriented Dynamic Learning Environment (Moodle)**, an open-source web-based learning platform.



## Asynchronous events

The activities are time-independent. A **self-paced course**, the participants can study at any time. E-mail or discussion forums will be available



## Coaching and mentoring

The online course will have instructor-led study, **tutors and facilitators** will be able to follow learners' progress and performance individually



## Synchronous events

The activities take place in real time and requires the participants, tutors and facilitators to be present at a given time. **Videos and conferencing and chat will be available**



## Structured

The platform includes **eight instructional** modules and for each closure, a schedule will be published. For the live sessions, 4 sessions of 2 hours each are over 4 weeks.



# Modules: contents and objectives (1/2)

1

## Module 1: Introduction to Environment Statistics

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

2

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

Know and differentiate the fundamental concepts of environment statistics and comprehend the statistical process' stages of transforming data into statistical series and indicators

3

## Module 3 - Data sources to produce environment statistics and their spatial and temporal dimensions

Present and discuss diverse data sources such as censuses, surveys, administrative records, monitoring stations, remote sensing, estimations, and scientific research to produce environment, disasters and climate change statistics and indicators. And explore the geospatial dimension of environment statistics

4

## Module 4 – International recommendations for the production of environment statistics

Introduce and familiarize the participants with the Framework for the Development of Environment Statistics and its related tools to guide the collection and compilation of environment statistics as recommended by the UN Statistical Commission



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# Modules: contents and objectives (1/2)

5

## Module 5: International frameworks that demand environment statistics and indicators

Describe the international frameworks and agreements that demand the production of environment, climate change and disasters statistics and indicators

6

## Module 6: Methodology to produce environment, climate change and disasters indicators

Comprehend the fundamentals in the development of indicators - the three stages of the Methodological Roadmap

7

## Module 7: National experiences in the development of environment statistics

Learn from countries experiences in the region about the development process of environment statistics and indicators, and the creation of National Systems of Environmental Statistics and Coordination Mechanisms

8

## Module 8: ECLAC's resources and tools on environment statistics

Introduce the resources and tools that ECLAC offers for the development and strengthening of statistical production and environmental, disaster and climate change indicators



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# Marking Criteria

The evaluation, approval of the course and deliver of certificate depends on:



## Participation in webinars

The participant must attend **75% of the webinars** (at least three out of four)



## Course evaluation survey

The participants must complete the mandatory **evaluation survey** to assess the content and quality of the course, make suggestions, and provide feedback to improve the online course.



## Approval of questionnaires

The participants must complete the mandatory **8 questionnaires** among modules, With five multiple-choice questions each and will have a maximum of 15 minutes to answer.

# How to apply to this free online course

Write an Official Letter to the ECLAC Statistics Division Director **Mr. Rolando Ocampo** and the Chief of the ECLAC subregional headquarters for the Caribbean **Ms. Diane Quarless**

01



02

The chief of the Environment and Climate Change Statistics unit **Ms. Georgina Alcantar** along with the coordinator from the Statistics and Social Development Unit **Mr. Abdullahi Abdulkadri** will contact the national counterparts to set up a convenient 4 weeks of capacity-building.

03

The national counterpart will select a list of participants no more than 50 from different institutions.

04

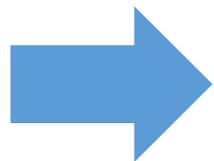
The Latin American and Caribbean Institute for Economic and Social Planning (ILPES) as the official knowledge management centre environmental development will send the credentials to all the participants.



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# Expected results



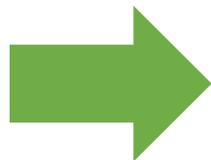
## **Inter-institutional technical team trained remotely**

under a common conceptual basis of environmental statistical processes, to build, sustain and update a set of environmental indicators



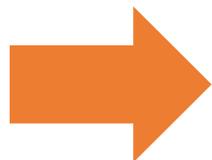
## **Identification of key elements**

to improve the national statistical process, and to use the environmental indicators to monitor the SDG within a National Statistics System (NSS)



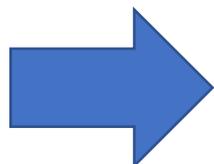
## **Evaluation of the quality and availability**

of environmental data at the national level



## **Revision of the methodological sheets**

of the SDG environmental indicators produced in the country



## **Prepare a brief report**

including findings and recommendations of the distance learning

# Final comments



- ECLAC has established this online module and remote technical assistance as innovative capacity-building training modalities dedicated to Caribbean countries English-speaking to improve the capabilities of diagnosis, produces, and uses of environmental climate change and disaster indicators statistics and indicators for decision-making.
  - The training is free of charge and used a blended methodology combining self-paced modules from the online course with weekly live webinars with the trainers.
  - Currently, there is no dedicated learning institution where practitioners can acquire conceptual, methodological and operational knowledges needed to work in the domain of environment statistics, climate change or disaster statistics
- 
- At the same time, **demand for their services continues to rise** particularly in relation to the Nationally Determined Contributions, environment indicators for the SDG and the Sendai Framework, as well as with the demand posed by nationally set environmental/climate and disaster targets and sustainability policies
  - **We would like to thank to all the national and organizational facilitators for your contributions and presentations contents on the online course.** Your support have been highly appreciated and considered highly relevant for the comprehensive development of the course.



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