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

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

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

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.

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

Platform

Asynchronous events

Coaching and mentoring

Synchronous events

Structured

Methodology
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

Module 1: Introduction to Environment Statistics
Know and differentiate the fundamental concepts of environment statistics and comprehend the statistical process' stages of transforming data into statistical series and indicators

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

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

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
### Modules: contents and objectives (1/2)

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<th>Module</th>
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<th>Description</th>
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<td>5</td>
<td>Module 5: International frameworks that demand environment statistics and indicators</td>
<td>Describe the international frameworks and agreements that demand the production of environment, climate change and disasters statistics and indicators</td>
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<td>6</td>
<td>Module 6: Methodology to produce environment, climate change and disasters indicators</td>
<td>Comprehend the fundamentals in the development of indicators - the three stages of the Methodological Roadmap</td>
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<td>7</td>
<td>Module 7: National experiences in the development of environment statistics</td>
<td>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</td>
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<td>8</td>
<td>Module 8: ECLAC’s resources and tools on environment statistics</td>
<td>Introduce the resources and tools that ECLAC offers for the development and strengthening of statistical production and environmental, disaster and climate change indicators</td>
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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)

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

**Course evaluation survey**
The participants most complete the mandatory **evaluation survey** to assess the content and quality of the course, make suggestions, and provide feedback to improve the online course.
How to apply to this free online course

01 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

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.
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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