

Decimonovena reunión del Comité Ejecutivo de la Conferencia
Estadística de las Américas de la CEPAL
25-27 Agosto de 2020



WORKING GROUP ENVIRONMENTAL STATISTICS

**“Recommendations for the generation of
environmental statistics and indicators with geospatial
information and the use of non-conventional sources”**

Progress Report

Background

- According to the United Nations Framework for the Development of Environmental Statistics, this statistics are data on the environment that have been structured, synthesized and aggregated according to statistical methods, standards and procedures.
- Environmental statistics are the most recent domain of official statistics, it is necessary to strengthen regional methodological processes and take advantage of available information sources to improve and increase the generation of statistics.
- The generation and integration of basic environmental statistics with geospatial information is an activity that has started in some countries of the region.
- The 2030 Agenda for Sustainable Development (SDG) emphasizes the need to develop official environmental statistics, to generate the indicators that make it possible to measure the fulfillment of objectives and goals at the national, regional and global levels.

Objectives

- **General Objective**

Develop a document with recommendations to generate environmental statistics from the integration of administrative records and use of earth observations; that allows creating new methodologies and / or improving existing ones in the countries of the region.

- **Specific Objectives**

- a) Prepare conceptual and methodological definitions.
- b) Identify capacities and areas of opportunity in the use of earth observations and administrative records in the region's methodologies.
- c) Design strategic lines of action to advance in the generation of environmental statistics in the countries of the region from the integration of administrative records and the use of earth observations.

Objectives

- **Environmental records**

Propose methodological lines for the use of administrative records on waste, in order to contribute to the measurement of the SDGs and the standardization of products and processes, generating new statistics and strengthening capacities in the countries of the region.

- **Earth observations**

Propose regional methodological recommendations for the use of satellite images through the use of observations of the earth in terms of land cover and bodies of water, in order to contribute to the measurement of the SDGs (6 and 15), to the strengthening capacities and the standardization of products and processes in the countries of the region.

Index

1. Project strategy

- Objectives
- Background
- Scope
- Timetable
- Monitoring

Action plan, conceptual design, and timeline

2. Diagnosis of the availability of geospatial information and the use of non-conventional sources in the countries of the region

- Establish concepts and definitions
- Design of diagnostic survey
- Automate the questionnaire
- Prepare filling instructions
- Define validation criteria
- Pilot test
- Training
- Survey application
- Results

Inventory at the Region level with the classification of Environmental Administrative Records of interest and use of earth observations

3. Workshops for the development of statistics from geospatial information and the use of non-conventional sources

- Workshops with the countries

Indicators and calculation method

4. Methodology for the unconventional production of series of Environmental Statistics

- Preparation of the document with the recommendations for the use of environmental records and earth observations

Recommendations for the use of Environmental Records and use of the earth observations.

Timetable

RECOMENDACIONES PARA LA GENERACIÓN DE ESTADÍSTICAS E INDICADORES AMBIENTALES CON INFORMACIÓN GEOESPACIAL Y EL USO DE FUENTES NO CONVENCIONALES

CRONOGRAMA



Tema	Actividades	2020												2021											
		Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre				
Estrategia para el desarrollo del documento de recomendaciones	Objetivo																								
	- Definir objetivo general																								
	- Definir objetivos específicos																								
	Antecedentes																								
	- Revisar mejores prácticas																								
	Alcance																								
Cronograma																									
Seguimiento y control (Bitácora)																									
Diagnóstico de la disponibilidad de información geoespacial y el uso de fuentes no convencionales en los países de la región	Establecer conceptos y definiciones																								
	Diseño de cédula de diagnóstico incluye:																								
	- Identificar necesidades de información ambiental																								
	- Elaborar requerimientos																								
	- Determinar el tipo de pregunta y su redacción																								
	Automatizar la cédula																								
	Elaborar instructivo de llenado																								
	Definir criterios de validación																								
	Aplicación de Prueba Piloto (prueba de conceptos)																								
	- Capacitar a los países seleccionados																								
	- Analizar la prueba piloto																								
	- Ajustar la cédula																								
	Capacitación																								
Levantamiento de cédula de diagnóstico																									
- Aplicar las cédulas																									
- Recibir las cédulas																									
Resultados																									
- Analizar y validar la información de las cédulas																									
- Generar modelo óptimo de evaluación de información geoespacial y el uso de fuentes no tradicionales																									
Talleres para el desarrollo de estadísticas a partir de información geoespacial y el uso de fuentes no convencionales	Talleres con los países																								
	- Presentar resultados del Diagnóstico																								
	- Evaluar hacia los objetivos del proyecto																								
	- Seleccionar indicadores o estadísticos ambientales																								
	- Definir el cálculo																								
	- Solicitar datos derivados de información geoespacial y el uso de fuentes no tradicionales																								
- Aplicar el método a los datos																									
- Analizar resultados																									
Metodología para el cálculo o producción de series de Estadísticas Ambientales	Elaboración de documento con las recomendaciones para el aprovechamiento de registros ambientales georreferenciados																								
	- Redactar el documento																								
	- Consultar a los países documento																								
	- Presentar documento ejecutivo (Directivos de CEA)																								
	- Difundir documento final																								



Main Activities

26 March '20. 1st meeting of the Working Group.

6 May '20. Meeting of Environmental records sub-working group.

7 May '20. Meeting of the Earth Observations sub-working group.

18 August '20. Were held the webinar “SDG 12 indicators related to hazardous waste” organized jointly with UNEP, ECLAC and INEGI.

19 Augustt '20. Were held the virtual workshop “Digital Earth of the Americas” orgnized by ECLAC, INEGI and NASA.

Main Activities

- Preparation of the activities index and schedule.
- Definition of the Components of the survey.
- Preparation of a questionnaire, which is under review by the Group.
- Organization of Webinars on environmental records and earth observations.

Next Steps

- Conclude the design and automation of the questionnaire.
- Application of the survey.
- Results processing.
- Preparation of the diagnosis and adjustments of trainings, if needed.
- Training to the countries.
- Application of the pilot test (proof of concepts).