

**National workshop:**

Generating climate change and disasters  
indicators for policy decision-making in  
Saint Kitts and Nevis

22, 23 and 24 June 2022



# Recommendations to establish an Environmental Information System

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1

Coordination as a fundamental principle of Official Statistics

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2

ECLAC methodology

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3

Examples in the LAC region: Panama, Chile, Mexico, Colombia

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4

Broadcast platforms:

- SD Knowledge platform
  - UNSD Open SDG Data Hub
  - SDG Gateway/SDG Geoportal
  - SDG Information System
- 

5

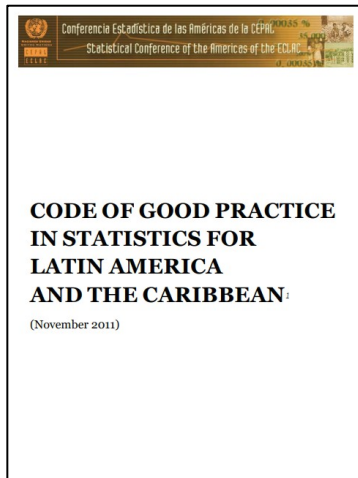
Conclusion

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# 1

## Coordination as a fundamental principle of Official Statistics





**Principle 2: Coordination of the national statistical system**  
This will enable the statistics producing entities to plan and implement national statistical activity in a participatory manner, maintain close contact and work jointly to improve the quality, comparability and consistency of official statistics.



## **Principle 8: National Coordination**

Coordination among statistical agencies within countries is essential to achieve consistency and efficiency in the statistical system.

Sources: [https://unstats.un.org/unsd/dnss/hb/E-fundamental%20principles\\_A4-WEB.pdf](https://unstats.un.org/unsd/dnss/hb/E-fundamental%20principles_A4-WEB.pdf)  
[https://repositorio.cepal.org/bitstream/handle/11362/16423/FILE\\_148024\\_en.pdf?sequence=1&isAllowed=y](https://repositorio.cepal.org/bitstream/handle/11362/16423/FILE_148024_en.pdf?sequence=1&isAllowed=y)

## Ad hoc (for a specific purpose)



- Sustained production of EAs and products that require them are not guaranteed
- Duplication of effort
- It is not possible to create logs that record statistical decisions in the construction of the series
- Comparability and temporal and spatial consistency are at risk (metadata are not continuously available)
- Loss of expertise in technicians (high turnover)
- Loss of historical memory



## National Environment Statistics System

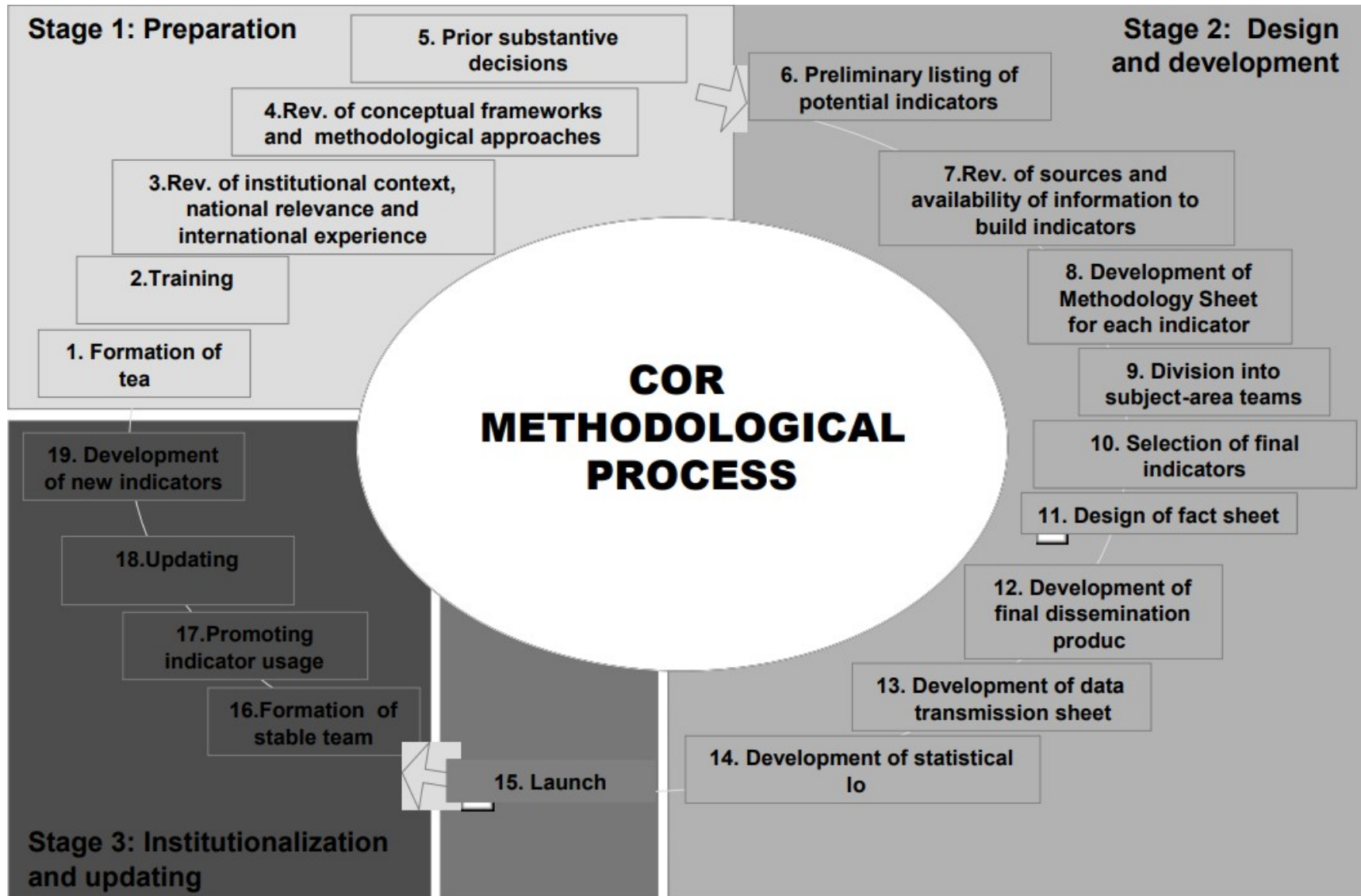


- Build and sustain EA assets for all purposes and users
- Build historical memory
- Avoid duplication of operations
- Improves quality of statistical results
- Reduce gaps and discrepancies
- Improves the quality, consistency and comparability of statistics (over time and across space)
- Saving of human and financial resources
- Reduces informant fatigue
- Shorten production times

# 2

## ECLAC methodology







1. **Trained team** ... Environmental Indicators Unit
2. First **set of indicators** with methodological sheet
3. **System** of Environmental Indicators and multidomain
4. **Inter-institutional network**.... Formal committee or roundtable





## 3

## Examples in the LAC region: Panama, Chile, Mexico, Colombia



- Interinstitutional Technical Committee for Environmental Statistics
- Presidential Decree 2018
- Co-presidency: INEC and Ministry of Environment
- 18 members: Ministries, companies (electricity), universities
- Thematic subgroups
- Meetings every 3 months

No. 28578-A

Gaceta Oficial Digital, viernes 27 de julio de 2018

REPÚBLICA DE PANAMÁ  
MINISTERIO DE AMBIENTE

DECRETO EJECUTIVO No. 112  
De 25 de Julio de 2018



Que crea el Comité Técnico Interinstitucional de Estadísticas Ambientales

EL PRESIDENTE DE LA REPÚBLICA  
en uso de sus facultades constitucionales y legales,

CONSIDERANDO:

Que el artículo 30 del Texto Único de la Ley 41 de 1 de julio de 1998, establece el Sistema Nacional de Información Ambiental que tiene por objeto recopilar, sistematizar, almacenar y distribuir información ambiental de los recursos naturales y de sostenibilidad ambiental del territorio nacional, entre los organismos y dependencias, públicos y privados, de forma idónea, veraz y oportuna, sobre las materias que conforman el ámbito del Sistema Interinstitucional de Ambiente y que son necesarias para la conservación ambiental y uso sostenible de los recursos naturales;

Que el artículo 30, señala que la información que se obtenga a través del Sistema Nacional de Información es de libre acceso y los particulares que la soliciten asumirán el costo del servicio;

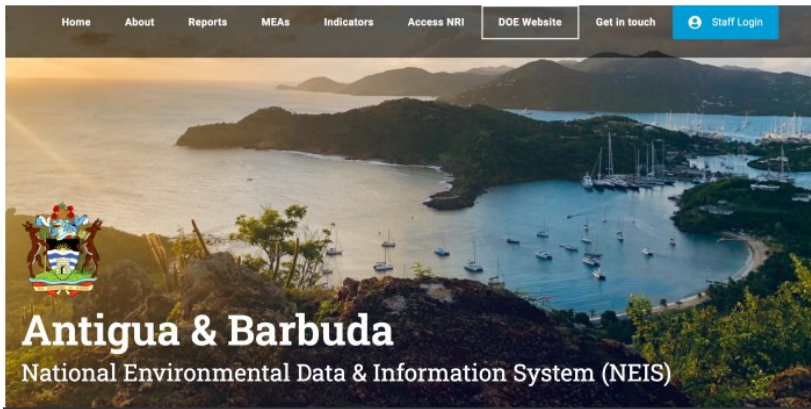
Que el artículo 31 del Texto Único de la Ley 41 de 1 de julio de 1998, señala que el Sistema Interinstitucional de Ambiente estará obligado a suministrar al Ministerio de Ambiente, en tiempo oportuno, la información que éste requiera;

# Examples from the region: Mexico

## Ley del Sistema Nacional de Información Estadística y Geográfica

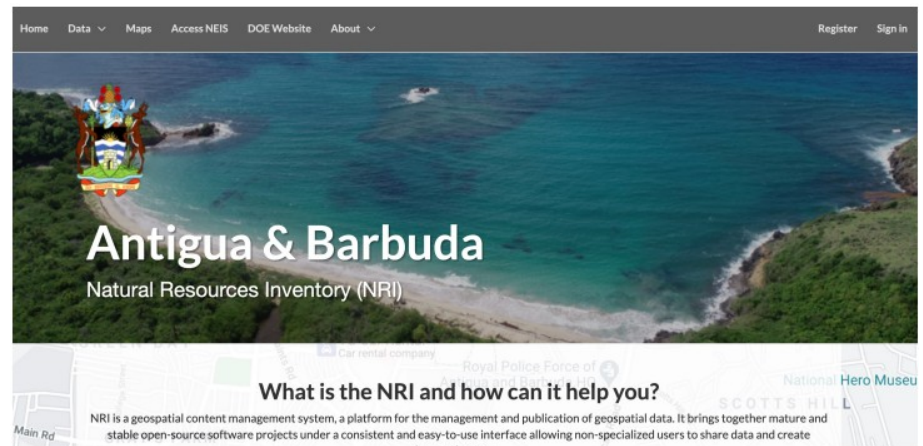


# Examples from the region: Antigua and Barbuda



National Environmental Data & Information System (NEIS)  
(<https://neis.environment.gov.ag/>)

Natural Resources Inventory (NRI)  
(<https://nri.environment.gov.ag/>)



# Examples from the region: Saint Lucia



The screenshot shows the Saint Lucia NEIS website. At the top left is the Saint Lucia NEIS logo. At the top right are navigation links: Central Data Storage Facility (CDSF), Indicators, Contacts, and Dashboard. The main content area has a blue header with the title "National Environmental Information System (NEIS)" and a sub-header "Project Reporting System for Multilateral Environmental Agreement (MEA) Implementation and Environmental Information Management". Below this is a button "Explore Reports →". To the right is a computer monitor displaying a dashboard with a pie chart and a table. Below the blue header is a section titled "Multilateral Environmental Agreements (MEA)" with a descriptive paragraph. At the bottom are three cards for UNCCD, UNCBD, and UNFCCC, each with a document icon and the organization's name and full name.

## National Environmental Information System (NEIS)

Project Reporting System for Multilateral Environmental Agreement (MEA) Implementation and Environmental Information Management

[Explore Reports →](#)

### Multilateral Environmental Agreements (MEA)

Multi-lateral Environmental Agreements are legal instruments with binding effects on countries that have agreed to become parties. They are also the means by which global agreements and direction can be achieved on critical environmental and sustainable development issues; this includes climate change, loss of biodiversity and the degradation of land.

- UNCCD**  
United Nations Convention to Combat Desertification
- UNCBD**  
United Nations Convention on Biological Diversity
- UNFCCC**  
United Nations Framework Convention on Climate Change

<https://www.neis.govt.lc/>

# 4

## Broadcast Platforms





**SUSTAINABLE DEVELOPMENT KNOWLEDGE PLATFORM** Keywords... Search

HOME SDGS & TOPICS HLPF PROCESSES & UN SYSTEM STAKEHOLDER ENGAGEMENT PARTNERSHIPS NEWS ABOUT

**Tweets** by @SustDev

UN DESA Sustainable Development Retweeted

United Nations @UN

Now, more than ever, we must commit to do more to promote cultural and religious tolerance, understanding and dialogue.

**UNITED NATIONS SUSTAINABLE DEVELOPMENT SUMMIT 2015**  
29-27 SEPTEMBER

UN Summit on Post-2015

Transforming our world: the 2030 Agenda for Sustainable Development, Interactive Dialogues

**SUSTAINABLE DEVELOPMENT GOALS**

SDGs  
Sustainable Development Goals, targets and topics

**HIGH-LEVEL POLITICAL FORUM ON SUSTAINABLE DEVELOPMENT**

High-level Political Forum on Sustainable Development

Questionnaire on follow-up and review (deadline 15 November 2015)

**TECHNOLOGY FACILITATION MECHANISM**

Technology Facilitation Mechanism

Apply for the Multi-stakeholder Advisory Group before 25 October 2015.

**SD IN ACTION Newsletter**  
OCTOBER ISSUE

Newsletter - October 2015

**UN HIGH-LEVEL WATER AND SANITATION DAYS**

UN High-Level Water and Sanitation Days 2015

18-20 November 2015

**PARTNERSHIPS FOR SUSTAINABLE DEVELOPMENT GOALS**

Partnerships for SDGs

Partnerships engagement for the SDGs. Have your views heard and complete survey before 15 Nov 2015.

**SG's High-level Advisory Group on Sustainable Transport**

SG's High-level Advisory Group on Sustainable Transport

**SG Reports**

Secretary-General's reports for 70th session of the General Assembly

**GLOBAL SUSTAINABLE DEVELOPMENT REPORT**  
2015 EDITION  
Advance Unedited Version

Global Sustainable Development Report

2015 edition (Advance unedited version)

**17 Sustainable Development Goals**  
**17 Partnerships**

17 SDGs - 17 Partnerships

A summary of 17 initiatives - one for each of the Sustainable Development Goals.

**Powering the Future We Want**

We Care Solar awarded Energy Grant to expand the use of life-saving 'Solar Suitcase'

**UN System Matrix**

The organizations of the UN system play a critical role in implementing the Rio+20 outcome

**ISLAND VOICES GLOBAL CHALLENGES**

SIDS Action Platform

Outcome and follow-up to the Third International Conference on Small Island Developing States



The screenshot displays the Open SDG Datahub interface. At the top left, there is a menu icon and the 'Sustainable Development Goals' logo. At the top right, there is a search icon, a 'Iniciar sesión' button, and navigation links for 'About', 'Data Catalog', 'SDG API', and 'Data Stories'. The main content area features a world map with several circular callouts containing data points:

- 31 per cent of marine fish stocks were overfished in 2013** (Icon: Fish)
- More than 3 billion people still lack access to clean cooking fuels and technologies** (Icon: House with stove)
- Stunting in children underage 5 fell from 2006 to 2016, while overweight children under age 5 increased** (Icon: Children, Stunting, Overweight)
- Number of people living in extreme poverty fell significantly**  
1.7 billion (1999) vs 767 million (2013) (Icon: People)
- Maternal deaths per 100,000 live births**  
341 (2000) vs 216 (2015)  
**Global maternal mortality ratio fell by 37 % from 2000 to 2015** (Icon: Woman)
- Annual global GDP growth per capita expanded between 2005-2009 and 2010-2015** (Icon: Bar chart)
- Global sea ice fell in 2016 to its second lowest extent on record** (Icon: Ice)

At the bottom of the interface, a blue banner reads: "Welcome to the Open SDG Data Hub".

<https://unstats-undesa.opendata.arcgis.com/>



SDG Gateway is a contribution of the United Nations system for monitoring and information on the implementation of the 2030 agenda in the region



2030 Agenda in Latin America and the Caribbean  
Regional knowledge management platform

United Nations Forum LAC 2030 About Spanish **English**



2030 AGENDA ▾ REGIONAL ARCHITECTURE ▾ SDG ▾ COUNTRIES ▾ STATISTICS ▾ UN SYSTEM ▾ STAKEHOLDERS ▾ INFORMATION TOOLS ▾ 



PUBLICATION | 2022-02-23

UNICEF: Reimagining education in Latin America and the Caribbean

 The Sustainable Development Goals Report 2021



NEWS | The Sustainable Development goals Report 2021




EVENT | 2021-07-06 

**High-Level Political Forum 2021 under the auspices of ECOSOC**

WEBSITE | 

**Comprehensive Regional Protection and Solutions Framework (MIRPS)**

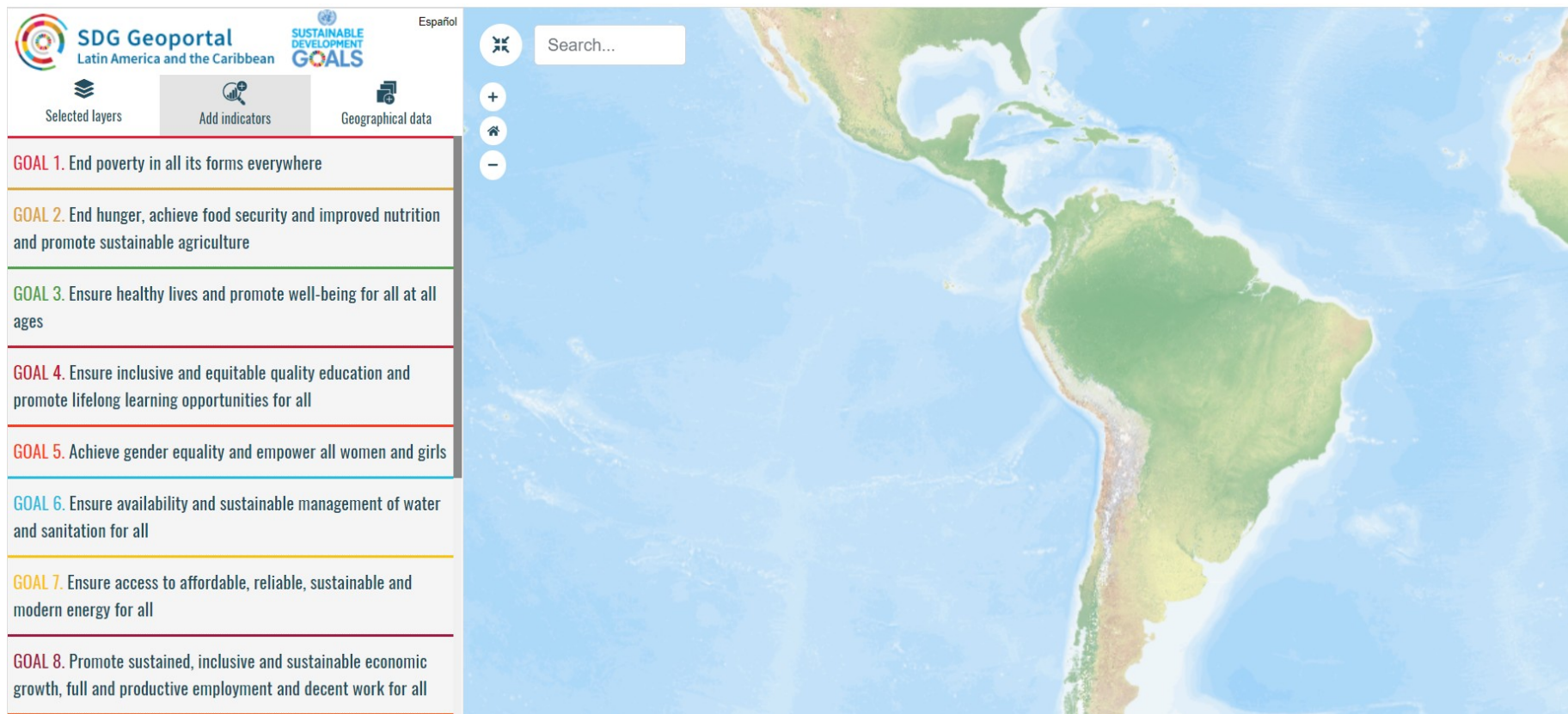
NEWS | 

**Almost half of households with children in Latin America and the Caribbean struggle to make ends meet**

EVENT | 2022-02-04 

**Registration is now open for the World Urban Forum WUF11**

<https://agenda2030lac.org/en>



The screenshot displays the SDG Geoportal interface. On the left, there is a sidebar with the following elements:

- Logo: SDG Geoportal Latin America and the Caribbean
- Language: Español
- Navigation icons: Selected layers, Add indicators, Geographical data
- List of 8 Sustainable Development Goals (SDGs) with their descriptions:

**GOAL 1.** End poverty in all its forms everywhere

**GOAL 2.** End hunger, achieve food security and improved nutrition and promote sustainable agriculture

**GOAL 3.** Ensure healthy lives and promote well-being for all at all ages

**GOAL 4.** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

**GOAL 5.** Achieve gender equality and empower all women and girls

**GOAL 6.** Ensure availability and sustainable management of water and sanitation for all

**GOAL 7.** Ensure access to affordable, reliable, sustainable and modern energy for all

**GOAL 8.** Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

On the right, there is a map of Latin America and the Caribbean. The map includes a search bar with the text "Search...", a zoom in (+) button, a zoom out (-) button, and a full-screen button.

<https://statistics.cepal.org/geo/geo-cepalstat/?lang=en&context=sdg-gateway>

# SDG Information System (Mexico)

Indicadores 🔍 📄 📄

1 FIN DE LA POBREZA

2 HAMBRE CERO

3 SALUD Y BIENESTAR

4 EDUCACIÓN DE CALIDAD

5 IGUALDAD DE GÉNERO

6 AGUA LIMPIA Y SANEAMIENTO

7 ENERGÍA ASEQUIBLE Y NO CONTAMINANTE

8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO

9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA

10 REDUCCIÓN DE LAS DESIGUALDADES

11 CIUDADES Y COMUNIDADES SOSTENIBLES

12 PRODUCCIÓN Y CONSUMO RESPONSABLES

13 ACCIÓN POR EL CLIMA

14 VIDA SUBMARINA

15 VIDA DE ECOSISTEMAS TERRESTRES

16 PAZ, JUSTICIA E INSTITUCIONES SÓLIDAS

17 ALIANZAS PARA LOGRAR LOS OBJETIVOS

### Cobertura geográfica

### Información relacionada

#### Acerca de los ODS

- Transformar nuestro mundo: La Agenda 2030 para el Desarrollo Sostenible
- Marco de indicadores mundiales para los Objetivos de Desarrollo Sostenible y metas de la Agenda 2030 para el Desarrollo Sostenible
- Grupo interinstitucional y de expertos sobre los indicadores de los ODS
- Plataforma global de los ODS (UNSD)
- Informe de los Objetivos de Desarrollo Sostenible 2020
- Informes de América Latina y el Caribe
- Base de datos global de indicadores de los Objetivos de Desarrollo Sostenible
- Documentos relevantes
- Vídeo: ¿Sabes cuáles son los 17 objetivos de desarrollo sostenible?

#### Los ODS en México

- El papel de México en la Agenda 2030
- Consejo Nacional de la Agenda 2030 para el Desarrollo Sostenible
- Comité Técnico Especializado de los ODS
- Informes nacionales voluntarios
- Consulta de indicadores
- Calendario de actualización de indicadores

<https://agenda2030.mx/#/home>

# 5

## Conclusions



Institutional collaboration and technological development can influence the 2030 Agenda in the following ways:

- 1. Promoting access to information:** internet, web platforms, apps.
- 2. Facilitating data collection and analysis.**
- 3. New business models.**
- 4. Increasing funding.**
- 5. Developing new models of reality** (virtual and augmented).

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**Thank you for your attention!**

<https://www.cepal.org/en/topics/environmental-statistics>