



National workshop:

Generating environment, climate change and disasters indicators for use in policy decision-making in Grenada

17 -19 Oct 2022

Recommendations to establish an Environmental Information System

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UNITED NATIONS

ECLAC

1

Coordination as a fundamental principle of Official Statistics

2

ECLAC methodology

3

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

4

Broadcast platforms:

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

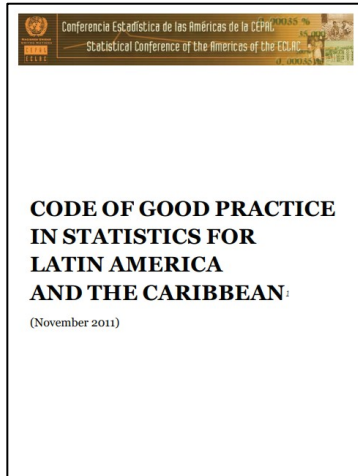
5

Conclusion & recommendations

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://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

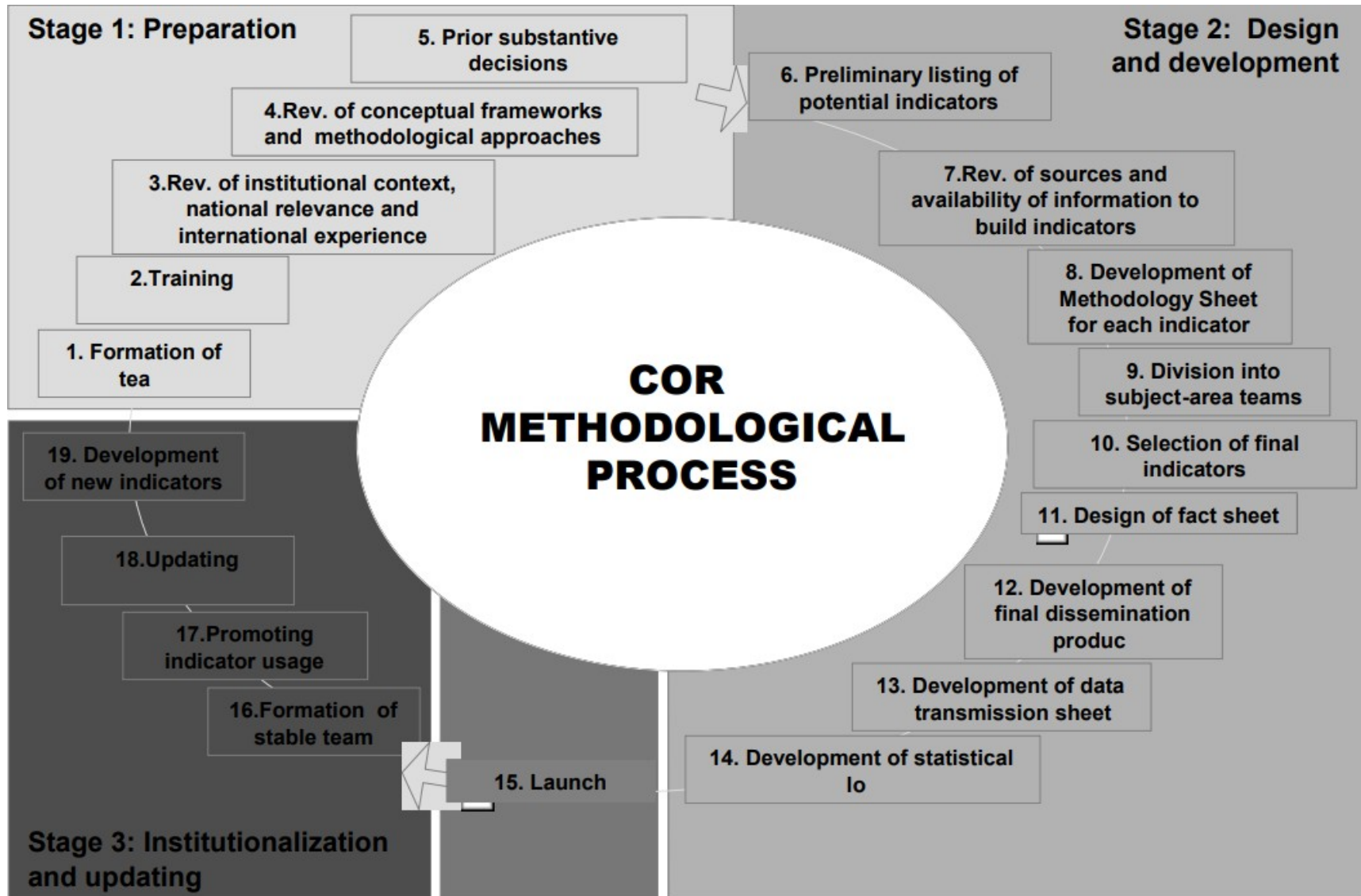


- **Build and sustain EA assets for all purposes and users**
- **Build historical memory**
- **Avoid duplication of operations**
- **Reduce gaps and discrepancies**
- **Improves the quality, consistency and comparability of statistics** (over time and across space)
- **Saving of human and financial resources**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



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



Examples from the region: Panama

- 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;

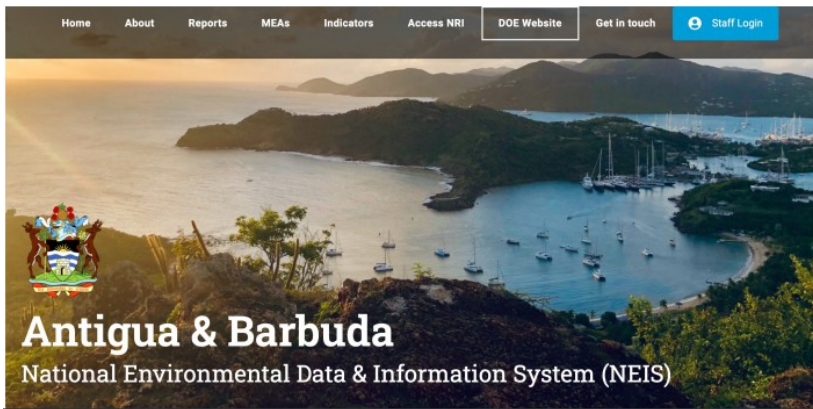
Que el artículo 31 del Texto Único de la Ley 41 de 1 de julio de 1998, señala que el Sistema Interinstitucional de Ambiente estará obligado a suministrar al Ministerio de Ambiente, en tiempo oportuno, la información que éste requiera;

Examples from the region: Mexico

Ley del Sistema Nacional de Información Estadística y Geográfica

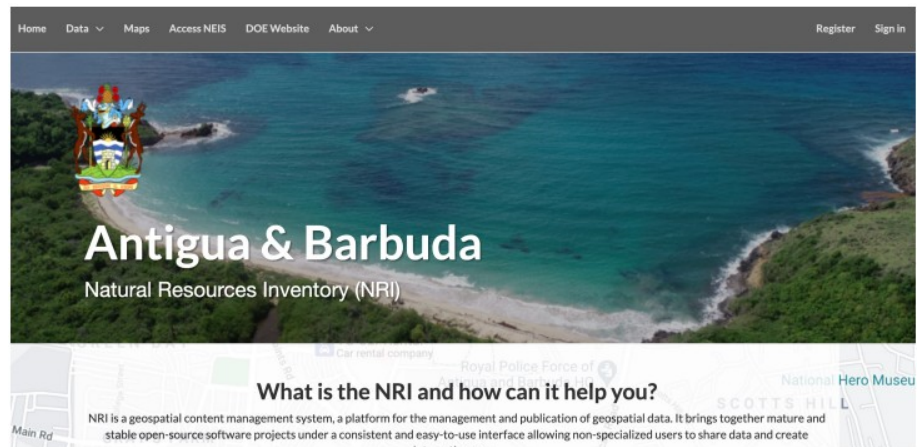


Examples from the region: Antigua and Barbuda



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

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



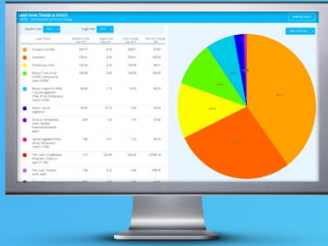
Examples from the region: Saint Lucia

 Saint Lucia NEIS Central Data Storage Facility (CDSF) Indicators Contacts Dashboard

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.




UN Summit on Post-2015

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



SDGs

Sustainable Development Goals, targets and topics




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.




Newsletter - October 2015




UN High-Level Water and Sanitation Days 2015

18-20 November 2015




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 Reports

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




Global Sustainable Development Report

2015 edition (Advance unedited version)




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



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 link to 'Iniciar sesión', 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

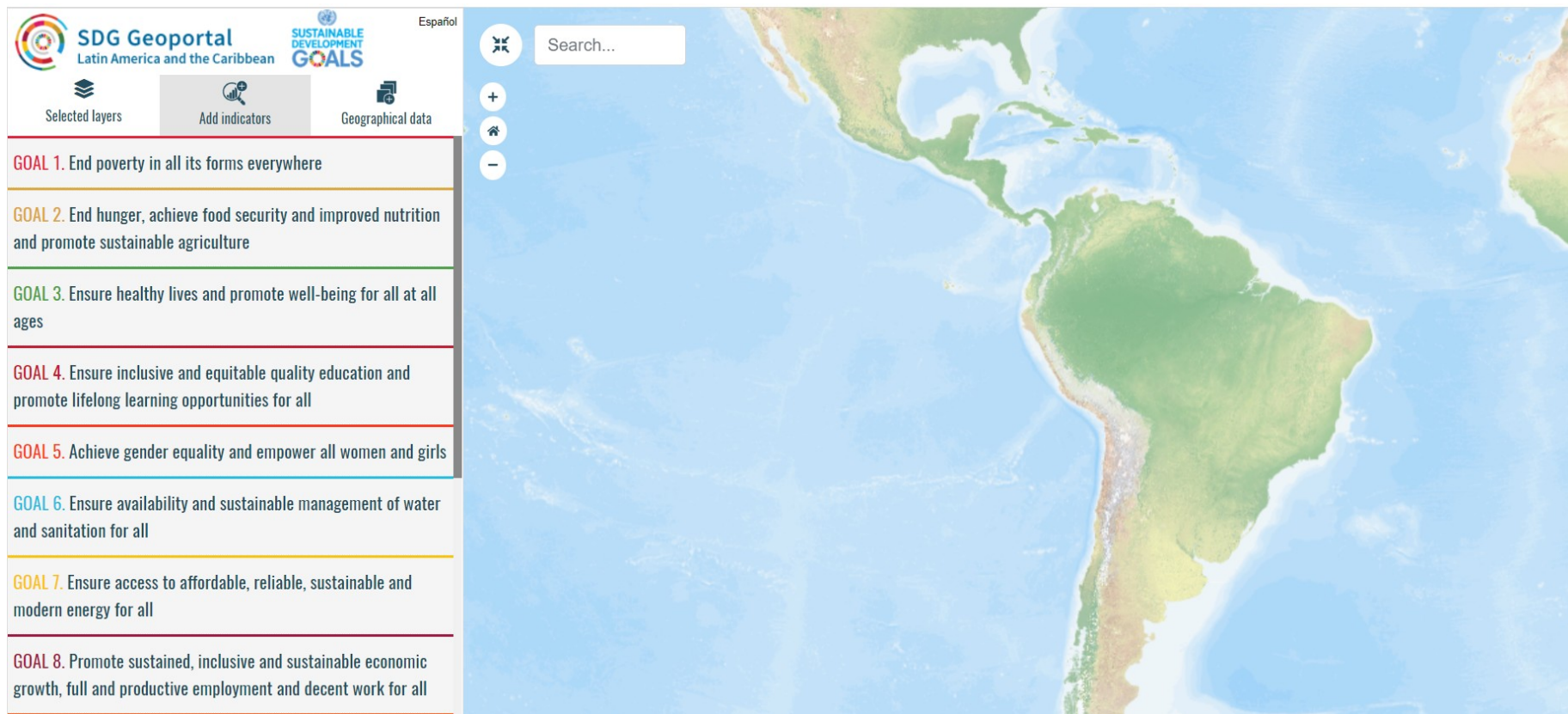
WEBSITE | Comprehensive Regional Protection and Solutions Framework (MIRPS)

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 Sustainable Development Goals (SDGs):
 - 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 ASESIBLE 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](#)
- [Verde: ¿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>

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Conclusions



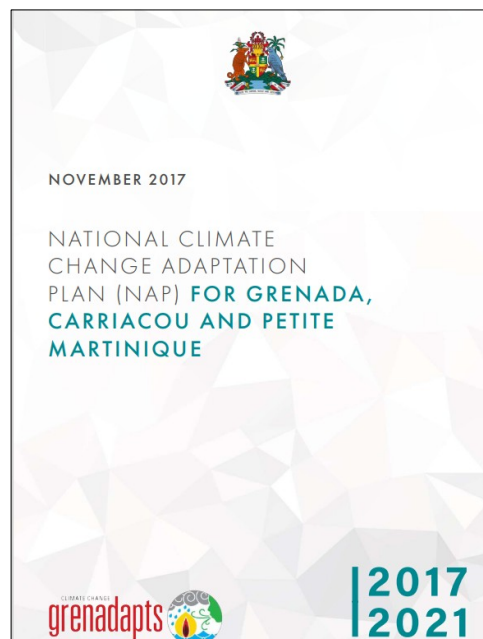
Institutional collaboration and technological development can influence the production, collect and integration of information with multipurpose (p.e. 2030 Agenda) in the following ways:

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

Feedback request

The Ministry of Climate Resilience, the Environment and Renewable Energy requested recommendations on the following areas:

- How to update existing climate and disaster policies to include use of agreed indicators as part of M&E and where possible synergies with National Dev Policy docs and MEAs like SDGs
- Could ECLAC provide feedback during the workshop on how to move from setting up robust indicators, to using those in the policy docs?



- Align M&E frameworks of the NAP and other national plans/policies as much as possible and make a clear connection to existing global commitments (2030 Agenda, Paris Agreement, SGD2040, Escazú Agreement, etc.)
- Ensure that Drivers, Impact and Vulnerability indicators are included in the NAP and other policies and strategies relevant for climate change (e.g. NAP indicators are at the target level making difficult to identify the required data for measuring progress)
- Evaluate accomplishment of the NAP indicators by 2020. Identify the reasons that generated non-accomplishment
- Adapt a new set of indicators for 2030, based on those generated in this NAP and on the proposal of the UNSD Global Set of CC indicators

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Generating environment, climate change
and disasters indicators for use in policy
decision-making in Grenada

17 -19 Oct 2022



Thank you for your attention!

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