





Generating climate change and disaster indicators for policy decision-making in Belize 09 – 11 Nov 2022





# Recommendations to establish an Environmental Information System

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### Broadcast platforms:

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



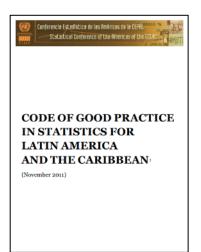
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# Coordination as a fundamental principle of Official Statistics



# 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: <a href="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</a>
<a href="https://repositorio.cepal.org/bitstream/handle/11362/16423/FILE\_148024">https://repositorio.cepal.org/bitstream/handle/11362/16423/FILE\_148024</a> en.pdf?sequence=1&isAllowed=y

# **Evolution of Environment Statistics: From ad hoc efforts**



# → Multipurpose National Environmental Statistics Systems

# E C L A C

# Ad hoc (for a specific purpose)



# National Environment Statistics System



- 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



- 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



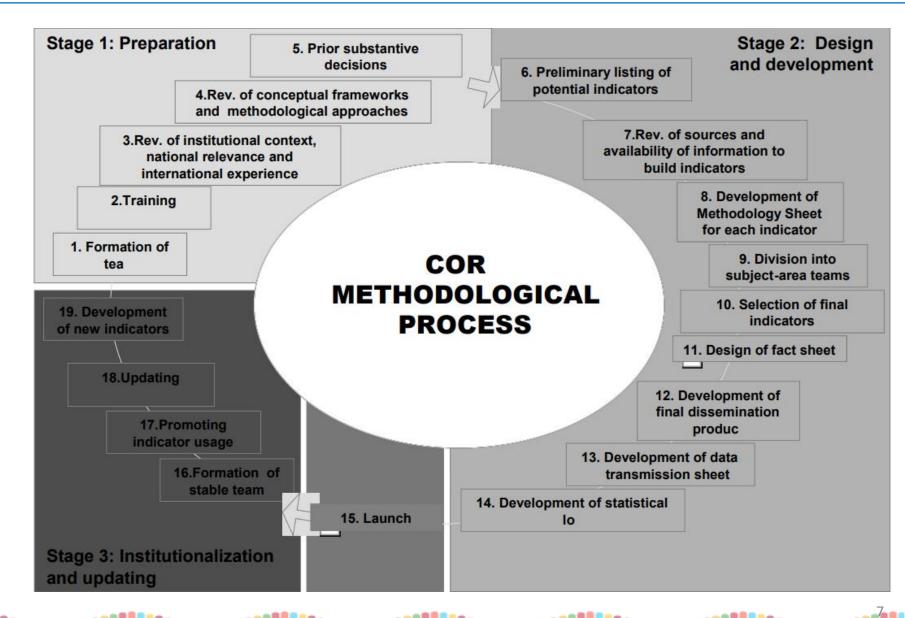
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# **ECLAC** methodology



# **Standardized Methodological Road Map**





# Products resulting from the indicator construction process





- 1. Trained team ... Environmental Indicators Unit
- 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

De 25 de Julio de 2018



Oue 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:

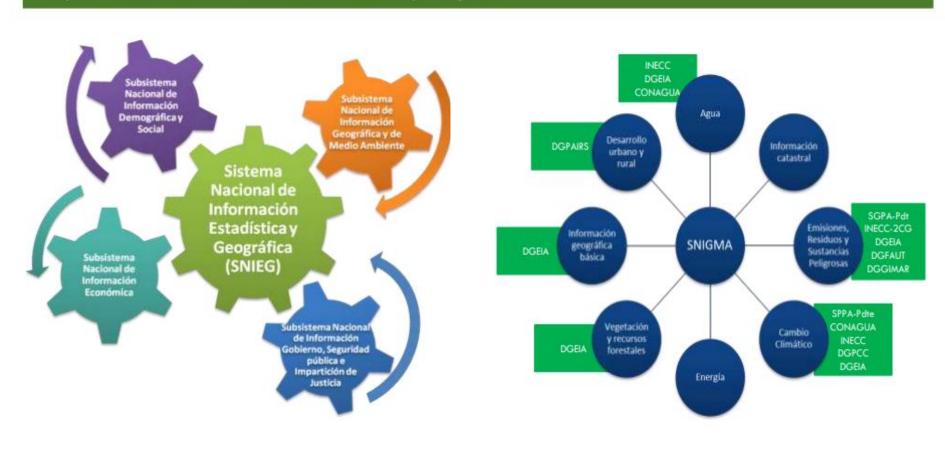
Que el artículo 30, señala que la información que se obtenga a través del Sistema Nacional de Información es de libre acceso y los particulares que la soliciten asumirán el costo del servicio;

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



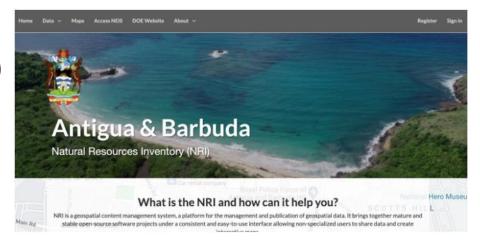
# **Examples from the region: Antigua and Barbuda**





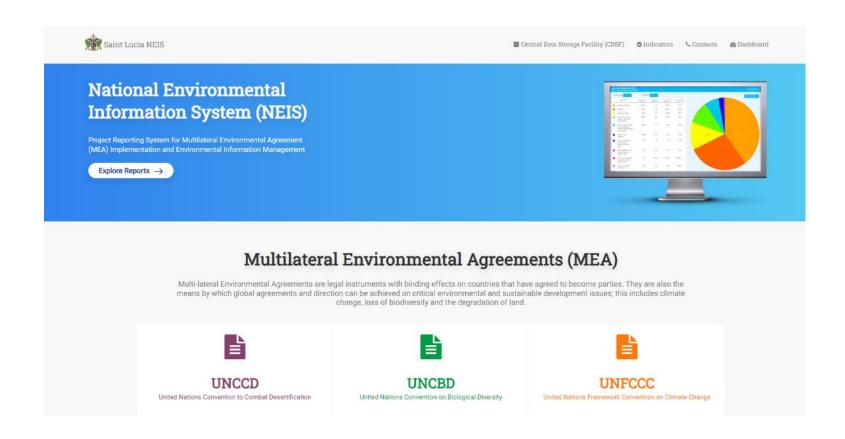
National Environmental Data & Information System (NEIS) (https://neis.environment.gov.ag/)

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



# **Examples from the region: Saint Lucia**





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



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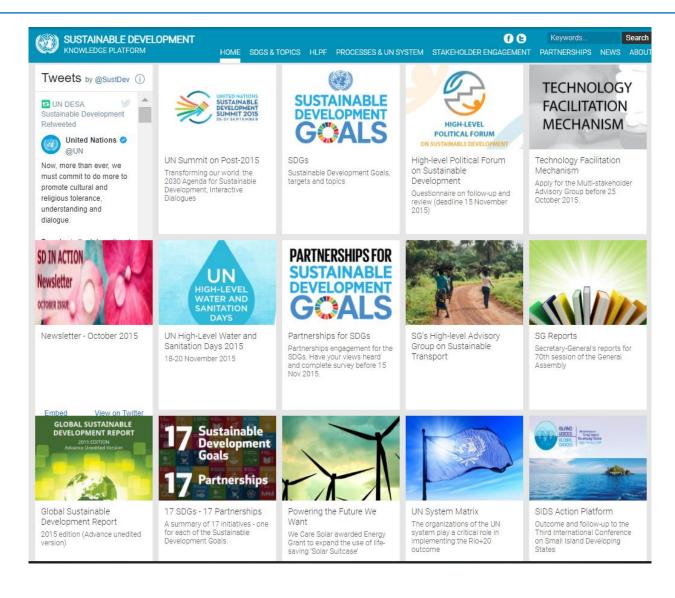
# **Broadcast Platforms**



# **SDG Knowledge platform**







# **Open SDG Datahub**





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

# Regional Knowledge Platform on the 2030 Agenda in Latin America and the Caribbean (SDG Gateway)

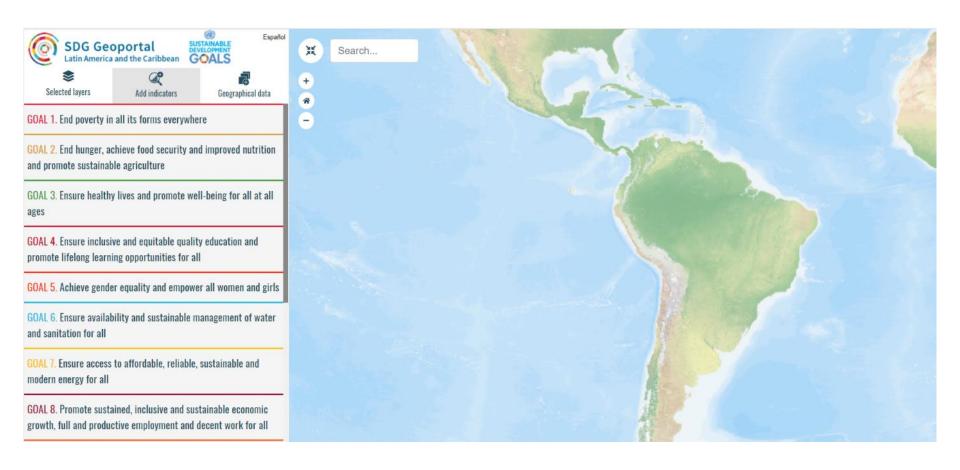


SDG Gateway is a contribution of the United Nations system for monitoring and information on the implementation of the 2030 agenda in the region



# **SDG Geoportal**





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







https://agenda2030.mx/#/home



# **Conclusions**



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





### **National workshop:**

Generating climate change and disaster indicators for policy decision-making in Belize 09 - 11 Nov 2022



# Thank you for your attention!

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



