

Global Set of Climate Change Statistics and Indicators

Environment Statistics Section, UNSD



New York, Monday, 14 June 2021

Discussion between UN member states and the UN Statistics Division on:
Global Consultation on the draft Global Set of Climate Change Statistics and Indicators

United Nations Statistics Division

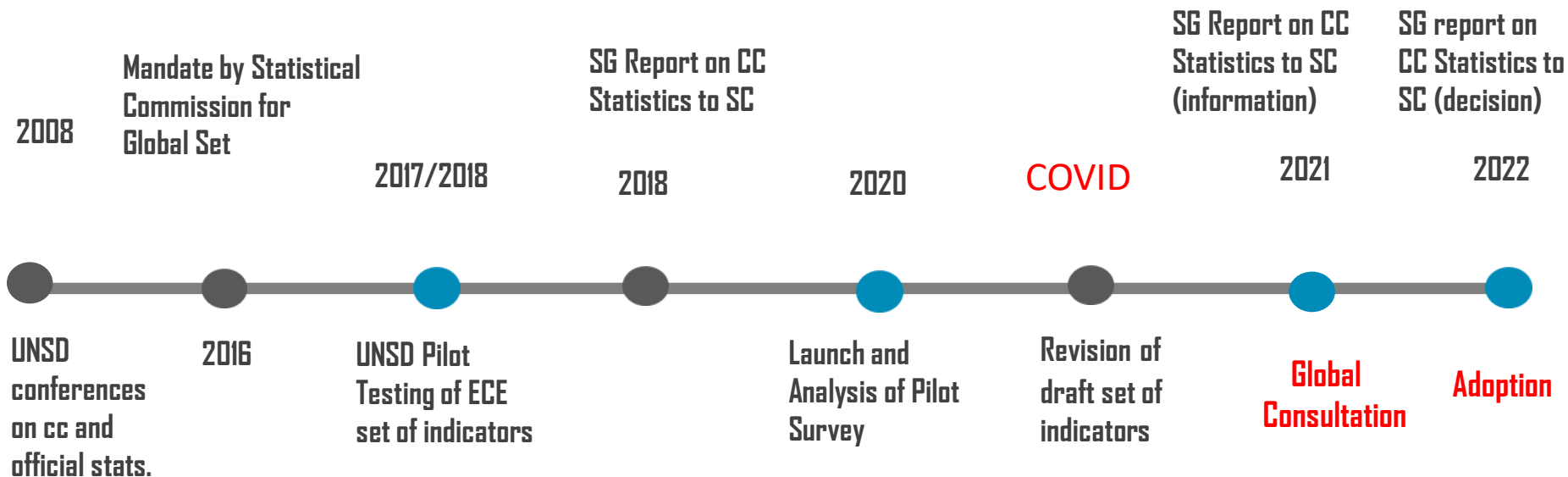


Outline

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Background: More than a decade long process



Report of the Secretary-General on Climate Change Statistics to the 47th session of the Statistical Commission in 2016 (decision)

UNSD, in collaboration with UN-ECE, prepared the Report of the Secretary-General on Climate Change Statistics to the 47th session of the Statistical Commission (E/CN.3/2016/15) (New York, 8-10 March 2016).

<https://unstats.un.org/unsd/statcom/47th-session/documents/2016-15-Climate-change-statistics-E.pdf>

Decision 47/112:

<http://unstats.un.org/unsd/statcom/47th-session/documents/Report-on-the-47th-session-of-the-statistical-commission-E.pdf>

Main decisions:

For countries: Use the FDES 2013 to guide the development of climate change statistics and indicators given the close interrelationship between environment statistics and climate change statistics.

For UNSD: Review and consider UN-ECE set of climate change-related statistics and indicators as a basis for **developing a global set of climate change statistics and indicators, applicable to countries at various stages of development.**



Report of the Secretary-General on Climate Change Statistics to the 49th session of the Statistical Commission in 2018 (decision)

UNSD, in collaboration with UN-ECE and UNFCCC, prepared the Report of the Secretary-General on Climate Change Statistics to the 49th session of the Statistical Commission (E/CN.3/2018/14) (New York, 6-9 March 2018).

<https://unstats.un.org/unsd/statcom/49th-session/documents/2018-14-ClimateChange-E.pdf>

Decision: 49/113

<https://unstats.un.org/unsd/statcom/49th-session/documents/Report-on-the-49th-session-E.pdf>

Main decisions

For countries: (i) Participate in the Pilot Survey on Climate Change-related Statistics and Indicators currently being undertaken by UNSD, as well as in the planned Global Consultation on Climate Change Statistics and Indicators; (ii) Enhance collaboration between NSOs and national authorities responsible for reporting climate change related information to UNFCCC Secretariat; For UNSD and UNFCCC: **Strengthen the link between statistics and policy**, for example, by: (i) undertaking joint initiatives in the development of climate change statistics and indicators; (ii) encouraging joint capacity building efforts and trainings with other partners, and exploring ways to encourage NSOs to be more involved in the preparation of data submissions to the UNFCCC secretariat, for supporting the implementation of the Paris Agreement.



Report of the Secretary-General on Climate Change Statistics to the 52nd session of the Statistical Commission in 2021 (information)

UNSD, in collaboration with UN-ECE and UNFCCC, prepared the Report of the Secretary-General on Climate Change Statistics to the 52nd session of the Statistical Commission (E/CN.3/2021/20) (New York, 1 to 3 and 5 March 2021).

<https://unstats.un.org/unsd/statcom/52nd-session/documents/2021-20-ClimateChange-E.pdf>

Agenda item 4(c)

Items for information: Climate change statistics

E/CN.3/2021/20

Report of the Secretary-General on climate change statistics

Arabic

Chinese

English

Español

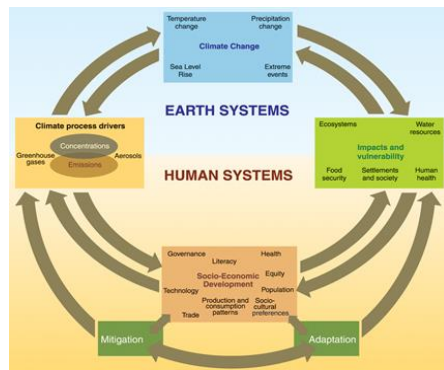
Français

Russian

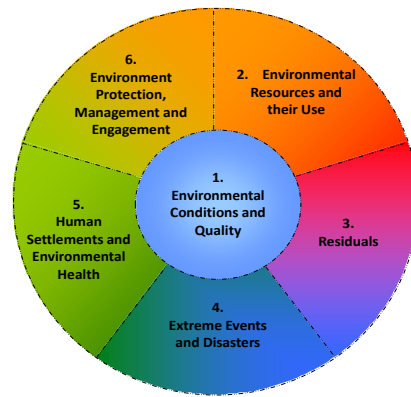


Foundation

- Global Set, being developed in close collaboration with UNFCCC, is structured according to the IPCC framework and FDES.
- Relevant articles of the Paris Agreement (PA) and the decisions under the PA Work Programme adopted in Katowice, as well as related SDG and Sendai Framework indicators, are also referenced to strengthen the link between statistics and policy.

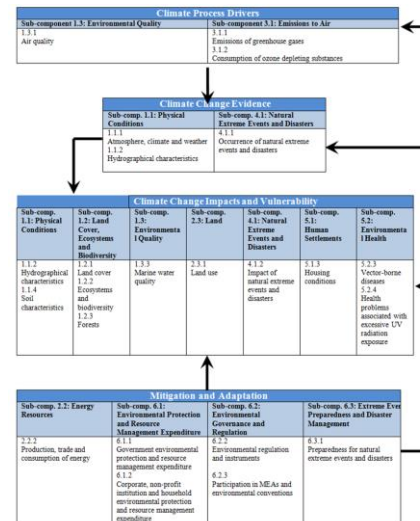


IPCC, 2007, Fourth Assessment Report



Framework for the Development of Environment Statistics (FDES 2013)

Relevant chapters of the Manual of the BSES
https://unstats.un.org/unsd/envstats/fdes/manual_bses.cshhtml



FDES cross-cutting application (Chapter 5) links climate change and environment statistics based on the IPCC Framework



Goal 13



Methodology

The Global Set is based on:

- systematic review of climate change statistics and indicators from 130 countries, with representative regional coverage, and identification of most commonly repeated statistics/indicators.
- discussions at several meetings of the Expert Group on Environment Statistics (EGES);
- reviews by EGES members;
- bilateral consultations with specialized agencies and in-depth discussions with selected countries; and
- inputs from an extensive Pilot Survey that took place in 2020.

More information:

<https://unstats.un.org/unsd/envstats/climatechange.cshtml> and

https://unstats.un.org/unsd/envstats/ClimateChange_StatAndInd_global.cshtml



Relationship to CES indicator set and SEEA

- Based on the Commission's request to review and consider the CES Set of Core Climate Change-related Indicators and Statistics as a basis for developing the Global Set, UNSD carried out a survey with developing countries using the CES set.
- The results demonstrated that new or additional indicators were needed, in particular to reflect on the situation of developing countries.
- The Global Set and the CES indicator set are complementary. The Global Set is tailored for all countries while ensuring that the needs of countries with less developed statistical systems are taken into account. The CES set focuses on the areas of climate change that are considered highly relevant for the CES member countries and is based on the SEEA to the extent possible.
- Both indicator sets provide guidance for NSOs to implement national indicator sets in an internationally comparable way. Countries are welcome to choose those indicators that are considered relevant in their context, may combine indicators from both sets, and add some national indicators.
- The Global Set also contains indicators that can be derived from the SEEA that are not included in the CES indicator set.



Output

The Global Set will:

- provide a **comprehensive statistical framework with statistics, indicators and metadata**, designed to support countries in preparing their own sets of climate change statistics and indicators according to their individual concerns, priorities and resources; and
- support the reporting requirements of countries under the Enhanced Transparency Framework and the Global Stocktake of the Paris Agreement, as well as climate-related SDG indicators.

Complementarity should be promoted to the extent possible between the Global Set and regional/ national sets of climate indicators (e.g. ECE set of climate change-related indicators)



Dissemination Examples

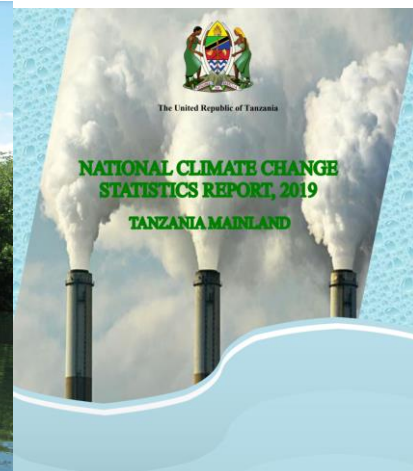
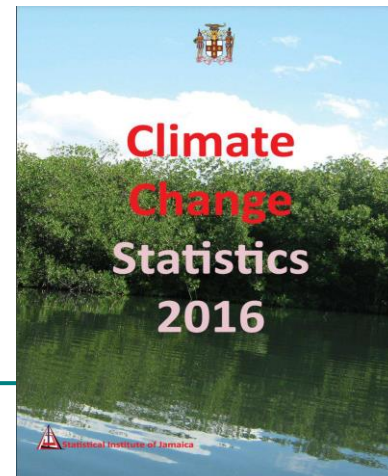
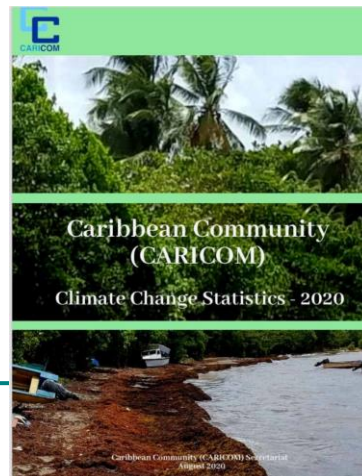
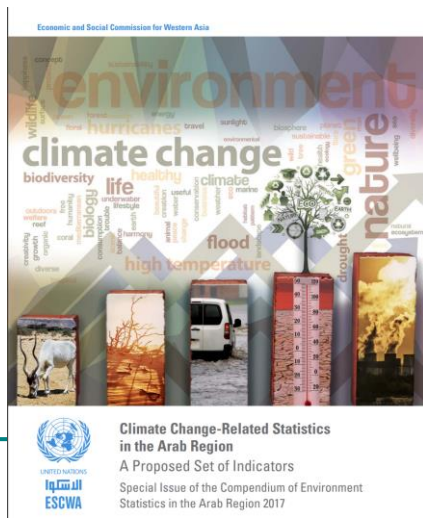
There is a growing number of NSOs/regional institutions producing separate climate change statistics reports/conducting surveys to illustrate the importance of this topic.

National

- Jamaica – Climate Change Statistics Report (2016)
- Tanzania – National Climate Change Statistics Report (2020)
- Nepal – Climate Change Impact Survey (2016)
- Bangladesh – Climate Change/Disasters Survey (2021)
- Suriname – report being planned

Regional

- Caribbean Community (CARICOM) – Climate Change Statistics (2020)
- ESCWA – Climate change-related statistics in the Arab region (2017)



Planned actions of the Statistics Division

- Further explore ways, in collaboration with UNFCCC, to strengthen the relationship between NSOs and national authorities reporting climate change information;
- Analyze results of the Global Consultation and discuss them at the 8th meeting of the Expert Group on Environment Statistics (Oct. 2021);
- Update Global Set and related metadata;
- Develop implementation guidelines;
- Submit the Global Set to the 53rd session of the Statistical Commission, in March 2022, for adoption.



Thank you for your attention!

For more information please contact the Environment Statistics Section
at the United Nations Statistics Division:

E-mail: envstats@un.org

Website: <https://unstats.un.org/unsd/envstats/>

Climate Change Statistics Website

<https://unstats.un.org/unsd/envstats/climatechange.cshtml>

and

https://unstats.un.org/unsd/envstats/ClimateChange_StatAndInd_global.cshtml

