

# Gender and climate change: Global Set of Climate Change Statistics and Indicators



**15th IAEG-GS meeting**  
New York, 7 December 2021 (virtual)

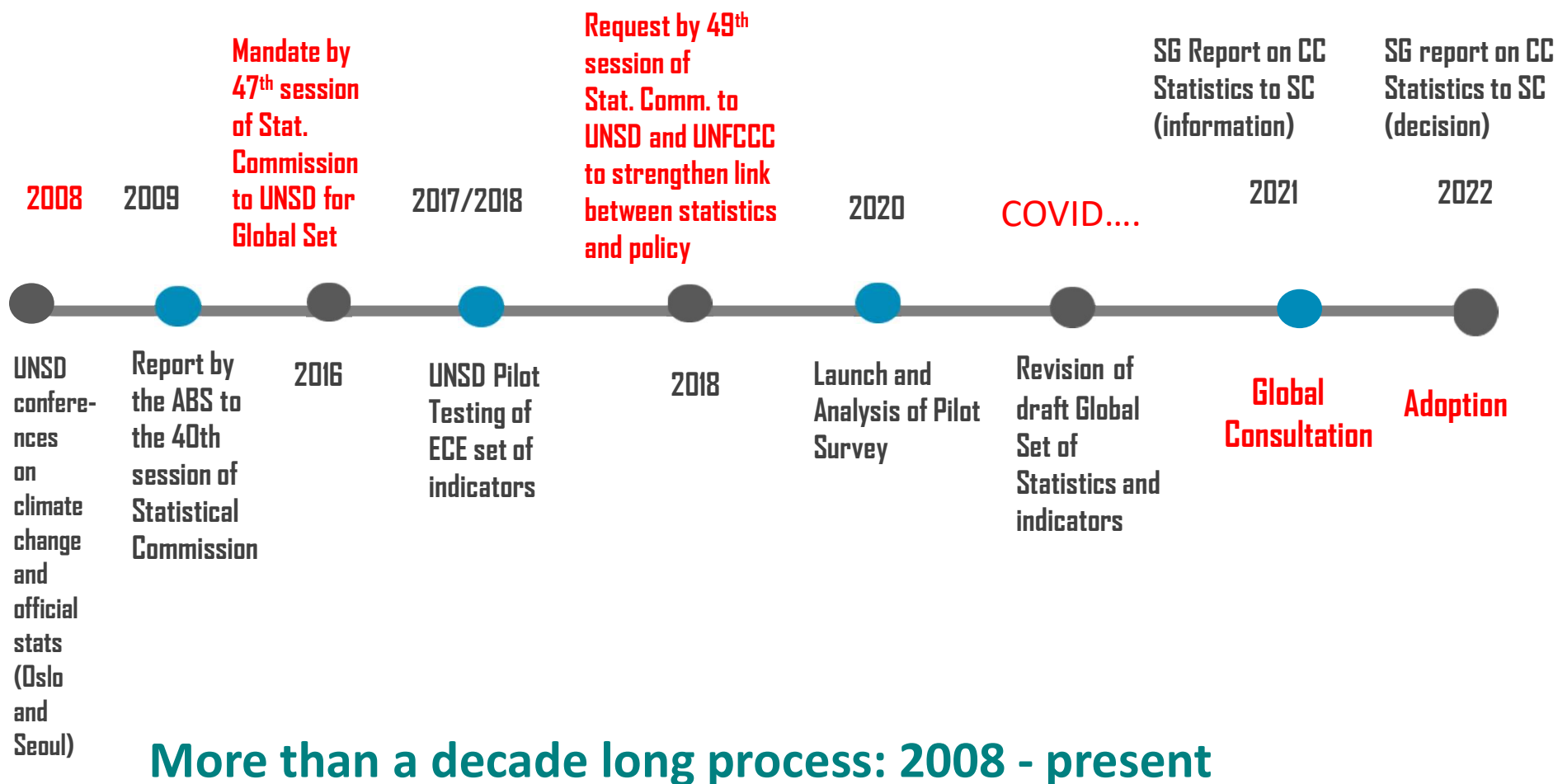


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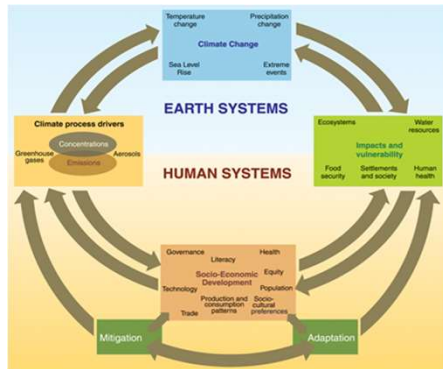


# Background to UNSD work on development of Global Set of Climate Change Statistics and Indicators

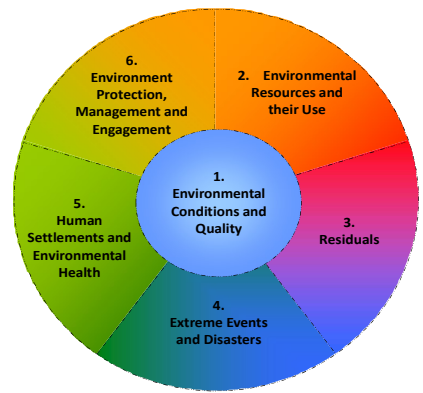


# Global Set: Foundation

- Given that there was no underlying framework linking the reporting requirements stemming from the Paris Agreement and the necessary statistics or indicators to support climate policy action, UNSD has been working closely with UNFCCC to develop such a framework explicitly for climate change.
- 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.

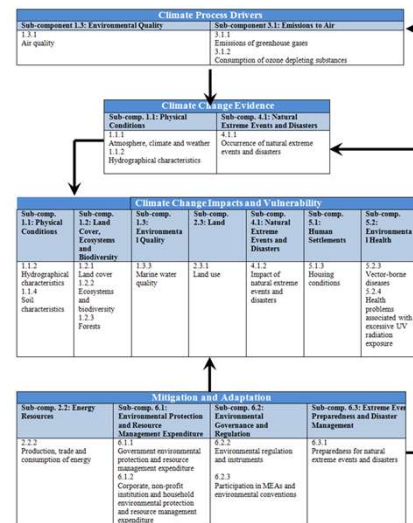


IPCC, 2007, Fourth Assessment Report



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.cshml](https://unstats.un.org/unsd/envstats/fdes/manual_bses.cshml)



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



Goal 13



# Global Set: Methodology

The Global Set is based on:

- **Bottom up approach** which started with 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 **UNSD-led Expert Group on Environment Statistics (EGES)**;
- **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](https://unstats.un.org/unsd/envstats/ClimateChange_StatAndInd_global.cshtml)



# Global Consultation on draft Global Set

## Part I:

- **Institutional Dimension of Climate Change Statistics and Indicators** (in countries): aims at collecting general information on the **institutional dimensions** of climate change statistics through an online survey.
- **International Agency's Activities on Climate Change Statistics and Indicators**: aims at collecting general information on the main activities led by international Agencies (**data collection, methodology development and capacity development**), through an online survey.

## Part II:

- **Draft Global Set of Climate Change Statistics and Indicators** (Excel file: *Part II\_DraftGlobalSet.xls*) which allows respondents to assess each individual indicator or statistic regarding its **relevance, soundness and data availability**
- **Metadata** (Word file: *Part II\_Metadata.doc*) which allows respondents to provide detailed comments on the metadata in the Word file.

**35 ECE:** Armenia, Azerbaijan, Belarus, Bulgaria, Canada, Croatia, Cyprus, Denmark, Estonia, Finland, France, Georgia, Hungary, Ireland, Italy, Kazakhstan, Lithuania, Luxembourg, North Macedonia, Moldova, Montenegro, Netherlands, Norway, Poland, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom, Ukraine, USA.

**15 ESCAP:** Australia, Bangladesh, Bhutan, China, India, Indonesia, Japan, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Philippines, Thailand, Vietnam.

**14 ECA:** Botswana, Burundi, Cabo Verde, Guinea, Côte d'Ivoire, Kenya, Madagascar, Mali, Mauritius, Senegal, South Africa, Tanzania, Zambia, Zimbabwe.

**6 ESCWA:** Jordan, Kuwait, Qatar, Saudi Arabia, State of Palestine, United Arab Emirates

**16 ECLAC:** Bermuda, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Grenada, Guyana, Jamaica, Mexico, Paraguay, Peru, Saint Lucia, Suriname.

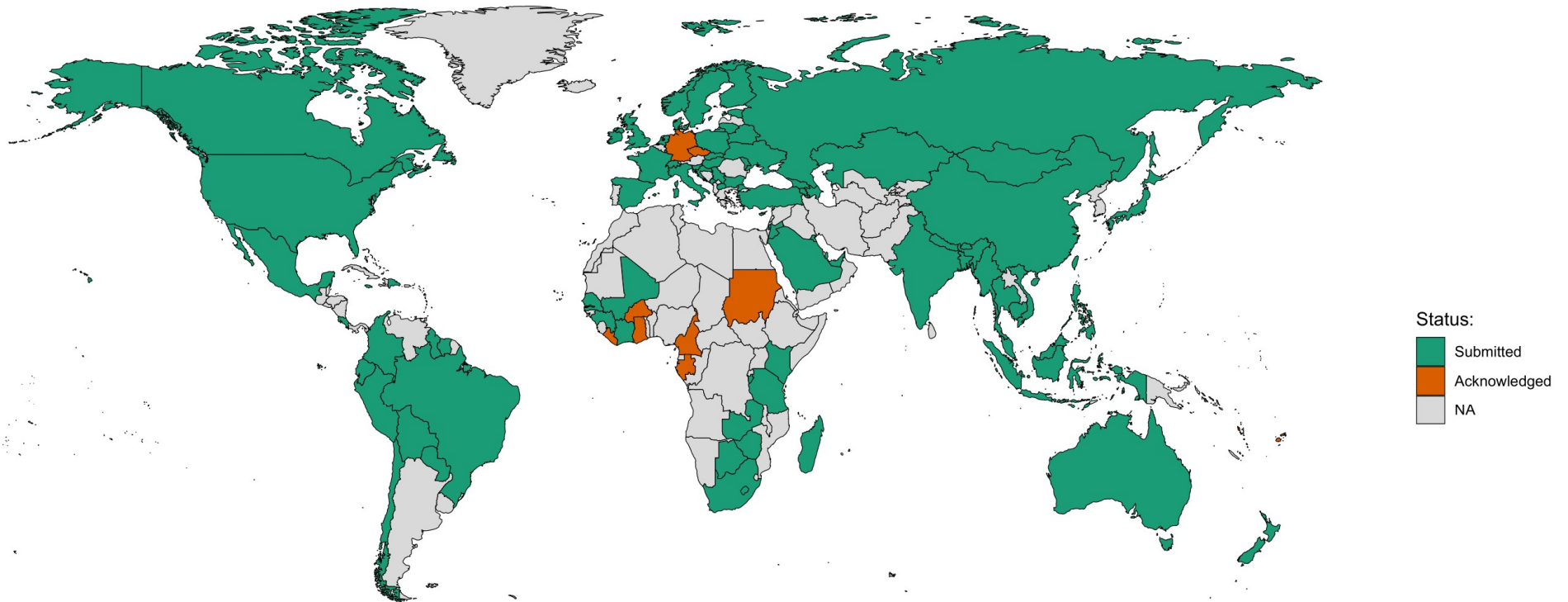
**25 agencies:** EEA, Eurostat, CARICOM, IPCC, GCC-STAT, IEA, IMF, IOM, ESCAP, ECLAC, ECA, ECE, ESCWA, FAO, OECD, UNCTAD, UNESCO, UNEP, UNEP-WCMC, UNU, UN-HABITAT, UNFCCC, UNODC, UNSD – Energy Statistics Section, UN-Women

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# Responses from the Global Consultation



- 86 member states have **submitted** Part 1 and/or 2.
  - 72 Part 1, 75 Part 2.
- 14 member states **acknowledged**.
- 25 agencies also submitted.

"Acknowledged" means that the national statistical offices of the countries (to whom we sent out the invitations to participate) communicated with us regarding the Global Consultation after we sent out our invitation, but that they did not submit a response.

The boundaries shown and used on this map do not imply official endorsement or acceptance by the United Nations.

United Nations Statistics Division



## Global Consultation – Part II: overall summary

- Countries recognized the importance of the Global Set, its relevance to their national statistical and climate change systems, and its potential to serve as a keystone for further climate related data development.
- Invaluable inputs were received from countries with regard to assessing the relevance, methodological soundness and data availability for the 134 indicators and 194 underlying statistics contained in the Global Set.
- Based on these results all indicators and statistics are expected to remain in the list demonstrating its overall robustness.
- Countries and agencies provided comments on the indicators and the metadata, including its structure.
- Very few countries and agencies proposed new indicators, while there were some suggestions for modification of existing indicators, especially at Tier 3.
- Results were discussed at the 8<sup>th</sup> meeting of the Expert Group on Environment Statistics (EGES) (12-20 Oct 2021)

[https://unstats.un.org/unsd/envstats/fdes/fdes\\_eges8.cshtml](https://unstats.un.org/unsd/envstats/fdes/fdes_eges8.cshtml)





# Gender-related feedback from countries (in part I of the consultation)

- Zambia, national policies related to climate change (question B1): **Climate Change Gender Action Plan (ccGAP-2018)**
- Armenia, adaptation (question D4): **Data on mortality/morbidity during heat wave periods - from community to national levels, per occupation/age/gender of affected people**
- Burundi, members of committee on climate statistics (question E4): **Ministry of National Solidarity and gender**
- Armenia, most important areas for future work (question G3): **To get support to develop gender-disaggregated data for Climate Change-related statistics**



# Feedback from UN-Women

Part 1: UN Women provides **financial and technical support for NSOs** to roll out nationally representative surveys on gender and the environment, incl.

- Impact of natural extreme events and disasters (on women/men, their livelihoods, their resources, etc)
- Preparedness for natural extreme events and disasters
- Disaster and climate change related unpaid care and domestic work
- Decreasing availability of environmental resources due to climate change (including management and mitigation techniques applied by men and women when farming, fishing, agriculture)

**Survey data collected in several Asian** countries to be released soon

(<https://data.unwomen.org/>)

Part 2:

- Suggested **disaggregation by sex** for about 27 indicators and statistics
- Need more work on **addressing people's point** of view rather than only natural resources/environmental point of view
- Suggested to add a whole section on either **gender and climate change**, or the connections between human activity and climate change



## Addressing gender in the Global Set

- Various options considered in consultation with the Social and Gender Statistics Section, UNSD
- New indicator included in the area of adaptation (one of 5 IPCC areas): **SDG 5.5.2** 'Proportion of women in managerial positions'
- **Disaggregation by sex** will be introduced for all the indicators suggested by UN Women in the metadata of the Global Set
- **Explore new/additional indicators** to be included in the Global Set in its future revision



# Future work on integrating gender into climate change statistics (1)

1. Explore national examples, incl. from the **Global Consultation**
2. Follow up on international data collection activities, e.g. **UN-Women's surveys**
3. Follow up on the guidance and data in particular on:
  - Women's participation in environmental decision-making fora
    - a. Delegates to international environmental COPs, such as for UNFCCC, UNCCD, CBD and BRS Conventions, by sex
    - b. Heads of delegations to international environmental COPs, such as for UNFCCC, UNCCD, CBD and BRS Conventions, by sex
    - c. Participants in national level environmental fora, by sex
  - Women's participation in sector-specific environmental governance bodies
    - a. Participation in communal land governance bodies, by sex
    - b. Participation in forest groups, by sex
    - c. Participation in water governance bodies, by sex
    - d. Executive managers of national energy utilities, by sex



# Future work on integrating gender into climate change statistics (2)

**UNFCCC: women suffer more impacts while having key roles**

(<https://unfccc.int/gender>)

**IPCC: Fifth Assessment Reports contains a section on gender in Cross-Chapter Boxes**

(p 105, [https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-PartA\\_FINAL.pdf](https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-PartA_FINAL.pdf))

- **Direct impacts** – mortality from disasters
- Indirect effects, depending on age, wealth and social status
- **access to resources required for adaptation:** financial resources, land, education, health, and other basic rights
- **exclusion from decision-making processes and labor markets**
- Examples cited from countries at different stages of development



## Planned actions of UNSD

- Submit the Global Set and related metadata to the **53rd session of the Statistical Commission** (1-4 March 2022) for adoption. [E/CN.3/2022/17: <https://unstats.un.org/unsd/statcom/>]
- Further explore ways with UNFCCC to strengthen the relationship between NSOs and national climate change reporting authorities.
  - Provide **continuous technical support to countries** to carry on activities beyond the Global Consultation, including capacity development/information sessions on climate change statistics, in collaboration with UN regional commissions and other partners.
  - Develop **training materials and implementation guidelines/strategy** for capacity development based on information received via the Global Consultation after the adoption of the Global Set.
  - Participate in further CGE/UNFCCC organized regional webinars to promote the linking of the NSOs and the national authorities reporting climate change information.



## 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](mailto: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](https://unstats.un.org/unsd/envstats/ClimateChange_StatAndInd_global.cshtml)

