

Results of the 2024 survey: “International Agencies' Activities on environment & climate change statistics’ ”



Eleventh Meeting of the Expert Group on Environment and Climate Change Statistics

Virtual Meeting, via UN headquarters, New York, 14-17 October 2024



Outline

1. Context: UNSD's request for contributions from international organisations.
2. Intended Purpose
3. Observations on each of:
 - Cluster 1: Data (most questions asked of international organisations)
 - Cluster 2: Methodology
 - Coordination
 - Capacity Development

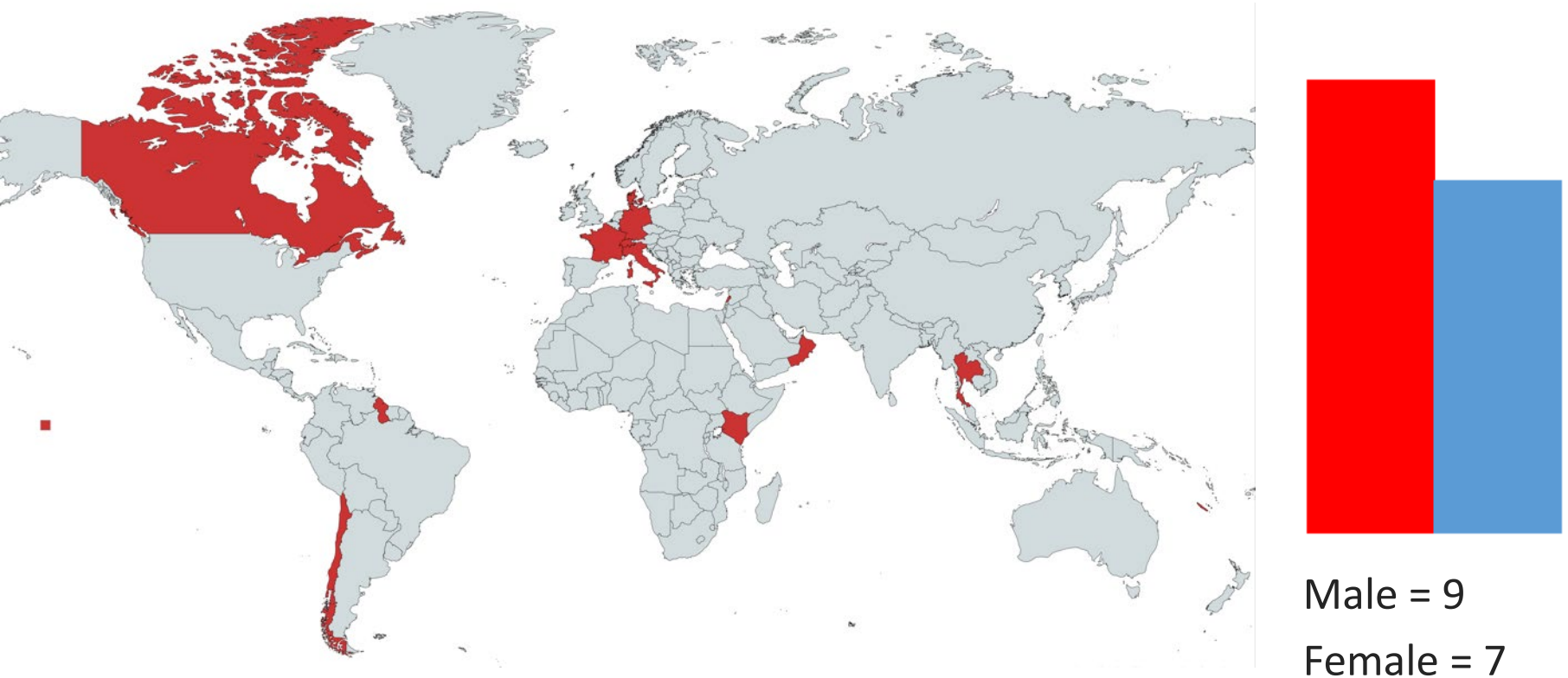


Context

- UNSD's requested contributions in kind from experts representing international organisations who partake in the EG-ECCS in August 2024 with a five-week window for completion.
- By Friday, 11 October, 17 responses were offered. Thank you to:
- CARICOM Secretariat, [Economic Commission for Latin America and the Caribbean \(ECLAC\)](#), [Economic and Social Commission for Asia and the Pacific \(ESCAP\)](#), [Economic and Social Commission for Western Asia \(ESCWA\)](#), European Environment Agency (EEA), Eurostat, FAO, Gulf Cooperation Council Statistical Center (GCC-STAT), Global Partnership for Sustainable Development Data, Pacific Community (SPC), PARIS21, UN Disaster Risk Reduction, [UN Economic Commission for Europe \(ECE\)](#), UNEP, UN Institute for Training and Research, WHO.

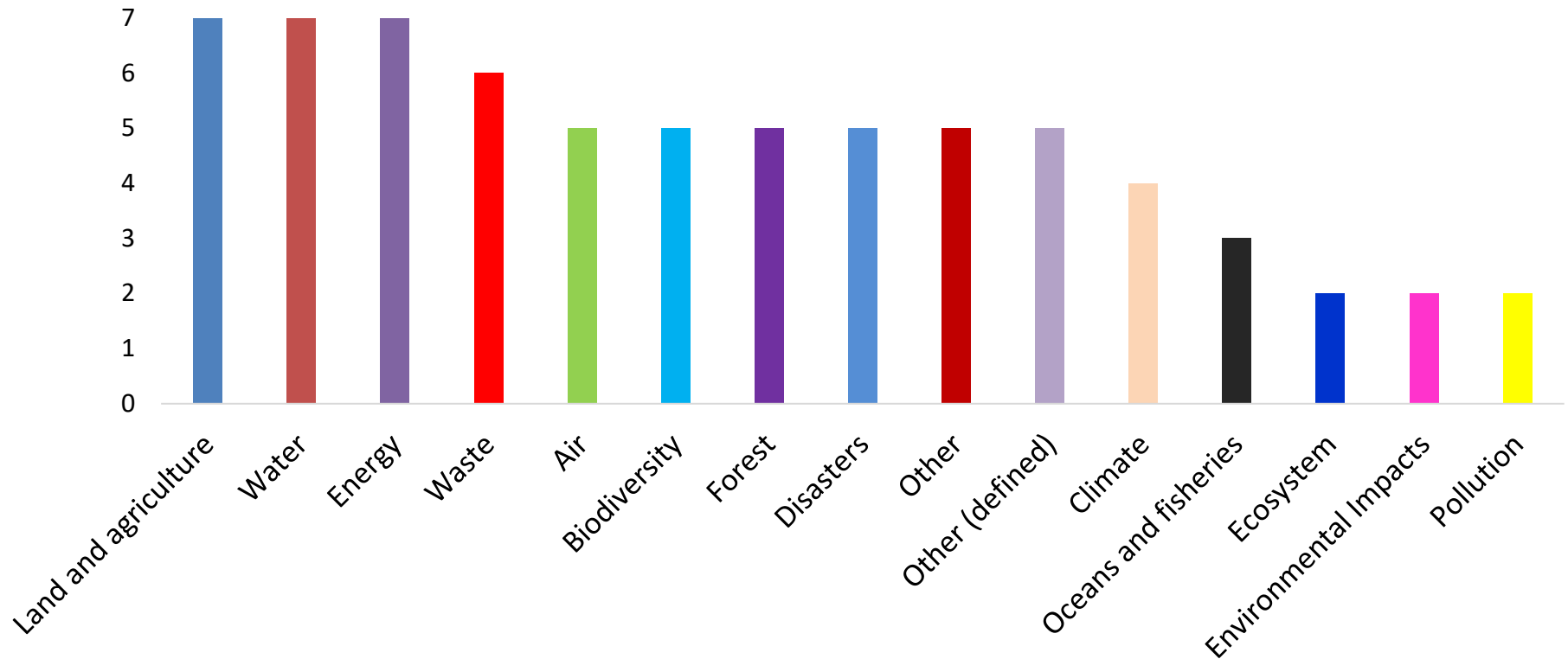


16 respondents (country location of international organization and gender)



Data cluster

- 14 out of 16 organisations confirmed they have sections/units working on environment and/or climate change data.
- Responses to: *Does your Agency collect any environment and/or climate change data directly from countries?*



Other (defined): Noise, material flows, environmental taxes & subsidies, circular economy; minerals



Data cluster

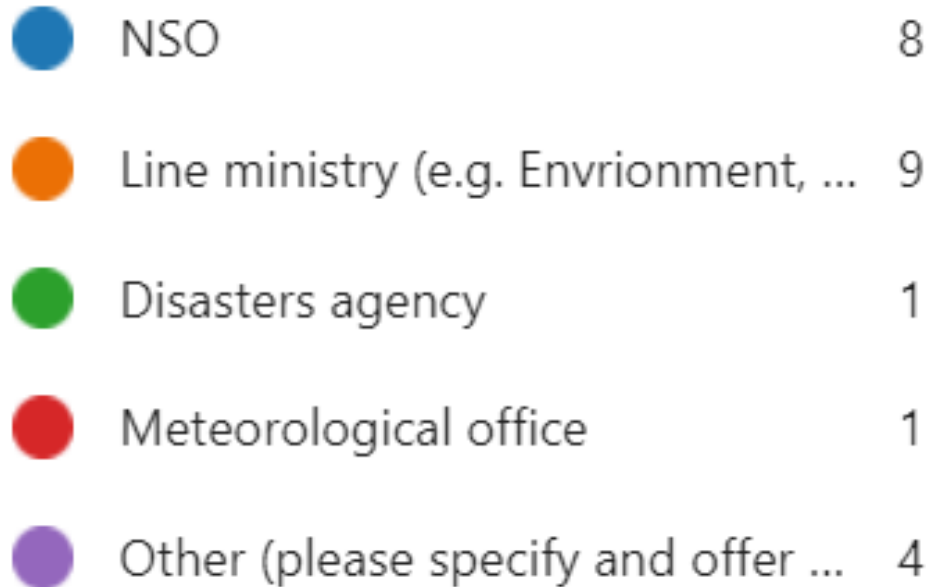
- On, “a description of the collection directly from countries” ...

- ...countries report relevant climate and energy data through an **e-reporting platform** for reporting environmental and climate data...
- **...Questionnaires (Excel-based).**
- Direct collection from National Statistical Centres of member states.
- ...playing a supporting role assisting countries to collect their own data. This includes assistance with survey design, statistical production and reporting.
- ...FDES indicators together with Tourism indicators, are **placed in excel table formats by theme and sent to focal points of member countries** to be compiled and resubmitted via email.
- “...collects disaster data directly from National Disaster Management Agencies and NSOs through the Sendai Framework Monitor (<https://sendaimonitor.undrr.org/>); these data are self-reported by countries. Countries also use **DesInventar database (desinventar.org)** national disaster and loss database.”
- “...projects in regions, and in those, we work with NSO or Ministry of Environment.”
- “...a survey sent to national health authorities and is completed (in-country) in collaboration with other relevant ministries and stakeholders.”



Data cluster

- On, the main sources for the environment and climate change data that your Agency collects directly from countries



Others (specified): Meteorological office; Disasters agency

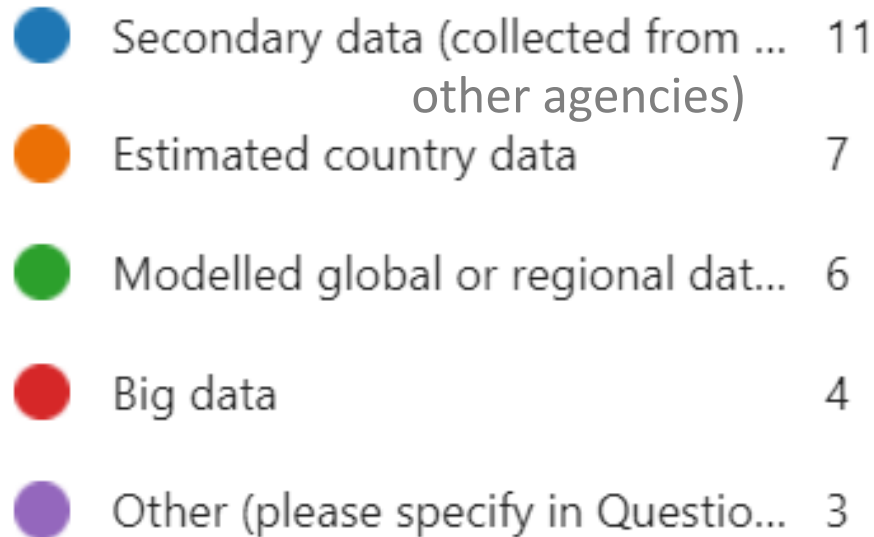
On, links and references to sources...

- Air quality collections: “competent authority” differs from one country to the next.
- Data are collected via an IT platform.
- Many webpages kindly provided by international organisations which serve as dissemination platforms.



Data cluster

- On, *What type of environment and climate change data does your Agency produce?*



- Others specified and descriptions offered...
- “Analyses of SDG data from the global SDG database into the Asia-Pacific SDG gateway.”
- Links provided to existing work on Air Quality, Noise.
- Dedicated Questionnaires on various themes. E.g. land and agriculture, water, air, waste, forests, energy, etc.
- A forthcoming new questionnaire on climate change mitigation investments.
- Geospatial data from remote sensing.



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- Secondary data – SDG indicators 6.3.2, 6.5.1, 8.4.2/12.2.2, 12.3.1b, 12.4.2, 12.5.1, 12.c.1, 14.1.1, 14.5.1, 17.7.1
- Estimated country data – 8.4.1/12.2.1, 8.4.2/12.2.2, 12.3.1b, 14.1.1, 17.7.1
- Big data – SDG 6.6.1, 14.1.1, 14.5.1, 15.1.2, 15.4.1
- A model to calculate core e-waste, plastic and battery indicators at country level.



Data cluster

- *On, regional and temporal coverage*

On temporal coverage, clearly a case by case analysis per collection or phenomena of interest.

- 1960-; 2000-; same as the SDG global database; GHG inventories for 1990-2022 and projections to 2050.
- Fertilizers, land use, GHG from agriculture: 1961-2022 (T-2)
- Soil nutrient budgets, pesticides: 1990-2022
- Temperature change: 1961-2023
- The WHO Global Survey on health and climate change is conducted every 3 years (2018, 2021, 2024 - ongoing)

On geographical coverage, responses were usually global or reflective of the organization's region or member states.



Methodology cluster

On, Does your Agency develop methodological guidelines for environment and climate change data or indicators? For which themes?

On, Does your Agency produce or maintain a list of indicator/statistics that pertains to environment and climate change, or some related topics (such as disasters)?

- Links provided to methodological work concerning disasters, land use land-use change and forestry (LULUCF), air quality, noise, references to methodologies on many themes provided (Eurostat, FAO, UNECE, UNEP), GHGs, agrifood systems, water, biodiversity, Natural Disasters and Climate Change Survey Module Sourcebook.



Coordination

On, Does your Agency convene an inter-agency technical/expert working group to engage in environment, climate change and related areas of statistics and indicators

- Some respondents reported active involvement in initiatives, such as ESCAP co-chairing the Inter-Agency Expert Group on Disaster-related Statistics and Eurostat's technical groups on environmental accounts. Other responses indicated ongoing efforts in Africa and the Pacific to establish technical working groups (Global Partnership for Sustainable Development Data). Some organizations noted their involvement in partnerships like the CARICOM Technical Working Group and the Joint Task Force on Environmental Statistics (ECE). There are also ongoing collaborations for global air quality and health initiatives, as well as contributions to the SDG Global Reporting on air pollution and household energy. In contrast, a few respondents indicated limited or no participation in such working groups.



Capacity Development

On, Has your Agency organized, or is planning to organize, capacity development activities and events in environment and climate change statistics and indicators?

- A range of capacity-building activities and collaborations in climate change and environmental statistics.
- Numerous workshops and webinars have been conducted globally, focusing on statistical processes, methodological guidance, and indicator production.
- The EEA provides capacity-building through Eionet, while institutions such as UNDRR and SPC organize regional platforms and workshops.
- There are partnerships with organizations like UN Women, PARIS21, and UNECE, targeting various countries to improve environmental data production and climate-related statistical frameworks.



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

