Implementation of the FDES and national Compendia on environment statistics

Tenth Meeting of the Expert Group on Environment Statistics

Virtual Meeting, via UN headquarters, New York, 3, 4, 6 and 10 October 2023
The FDES 2013 undertaken through an Expert Group process was preceded the FDES 1984, UNSD.

The Statistical Commission at its:

- 44th session in 2013 endorsed the FDES 2013 as the framework for strengthening environment statistics programmes in countries and recognized it as a useful tool in the context of sustainable development goals and the post-2015 development agenda.

- 47th session in 2016 recommended that countries use the Framework for the Development of Environment Statistics (FDES 2013) to guide the development of climate change statistics and indicators, given the close interrelationship between environment statistics and climate change statistics.
Streamlining implementation of environment and climate change statistics

1. FDES and the Manual of the Basic Set offer comprehensive guide to prepare statisticians to respond to multiple data demands,
   • most of all the global MEAs: UNFCCC, CBD, CCD, Basel convention, etc
   • also environmentally-related SDGs,
   • also, for data collections, water and waste

2. There are overlapping subject-areas and reporting demands from the above, therefore, the environmental statistician needs to be able to understand the overlaps and gaps and address them under the NSS.
As there are 458 environment statistics identified in the Basic Set of Environment Statistics, their methodology sheets are being developed in a modular and progressive manner. The available volumes (sets) of methodology sheets are disseminated below.

- MS 1.1.3 Geological and geographical information and Statistics
- MS 1.1.4 Soils
- MS 1.2.2 Ecosystems and Biodiversity Statistics
- MS 1.2.1 & 2.3.1 Land Cover and Land Use
- MS 1.2.3, 2.3.2, 2.5.1 & 2.5.5 Forests
- MS 1.3.1 Air Quality
- MS 1.3.1 and 3.1.1 GHG Statistics
- MS 1.3.2 Freshwater Quality Statistics
- MS 1.3.3 Marine Water Quality Statistics
- MS 2.1 Mineral Resources
- MS 2.2 Energy Resources
- MS 2.5 Crops and Livestock Statistics
- MS 2.6 Water Resources
- MS 3.2 Wastewater
- MS 3.3.1 & 3.3.2 Generation and Management of Waste
- MS 5.1 Human Settlements
- MS 6.1.1 Environmental Protection Expenditures
Examples of countries publishing Environment statistics compendia

Countries known to be compiling Environment Statistics Compendia

FDES-coherent compendium

Environment statistics compendium

https://unstats.un.org/unsd/envstats/fdescompendia.cshtml
UNSD’s commitment to provide continuous support offers on its website countries compendia via their source links.
### Examples of countries publishing Environment compendia – aligned with the FDES

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Countries publishing Environment compendia using a more traditional approach - according to themes such as Air and Biodiversity

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Countries producing and publishing more specialized Environment publications

**Bangladesh**
Integration of GIS with socio-economic, demographic and environmental data, June 2023
Disaster-related statistics 2021

**Botswana**
Climate Digest March 2022
https://www.statsbots.org.bw/publication-by-sector/environment

**Mali**
Collection of solid waste, Analysis Report 2021
Examples of countries applying the ESSAT
Questions

1. Should we combine the implementation of the FDES and the Global Set in a single survey?

2. In view of updating the BSES, should we do a survey to assess the implementation of the FDES, e.g. in which components, the statistics are most used, most needed, outdated or outstanding for methodology development?

3. If you are starting work on environment/climate change statistics should you start with ESSAT/FDES, then proceed with Global Set (120 statistics from the BSES are in the Global Set)? what if the country is only interested in climate?
Thank you for your attention!

If you would like to add your publication to this list please contact us at

envstats@un.org