

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.



Manual on the Basic Set of Environment Statistics

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 **new**

📄 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 **new**

📄 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

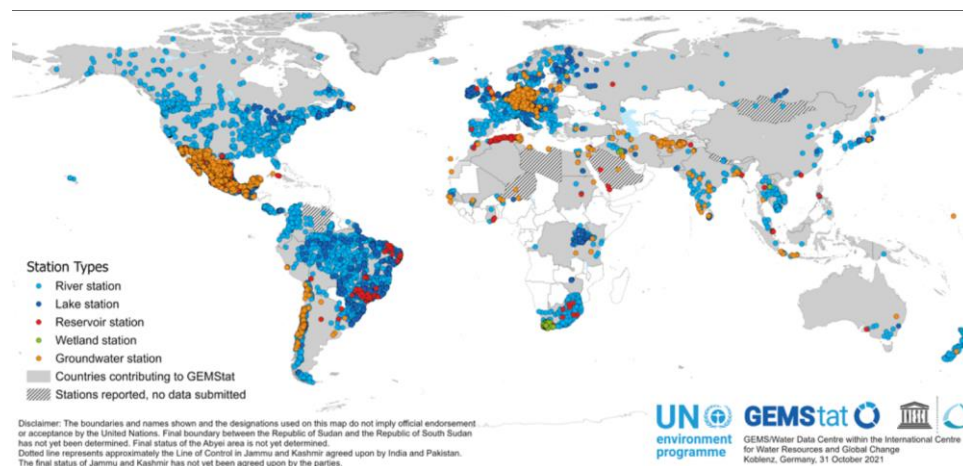
📄 MS 2.6 Water Resources

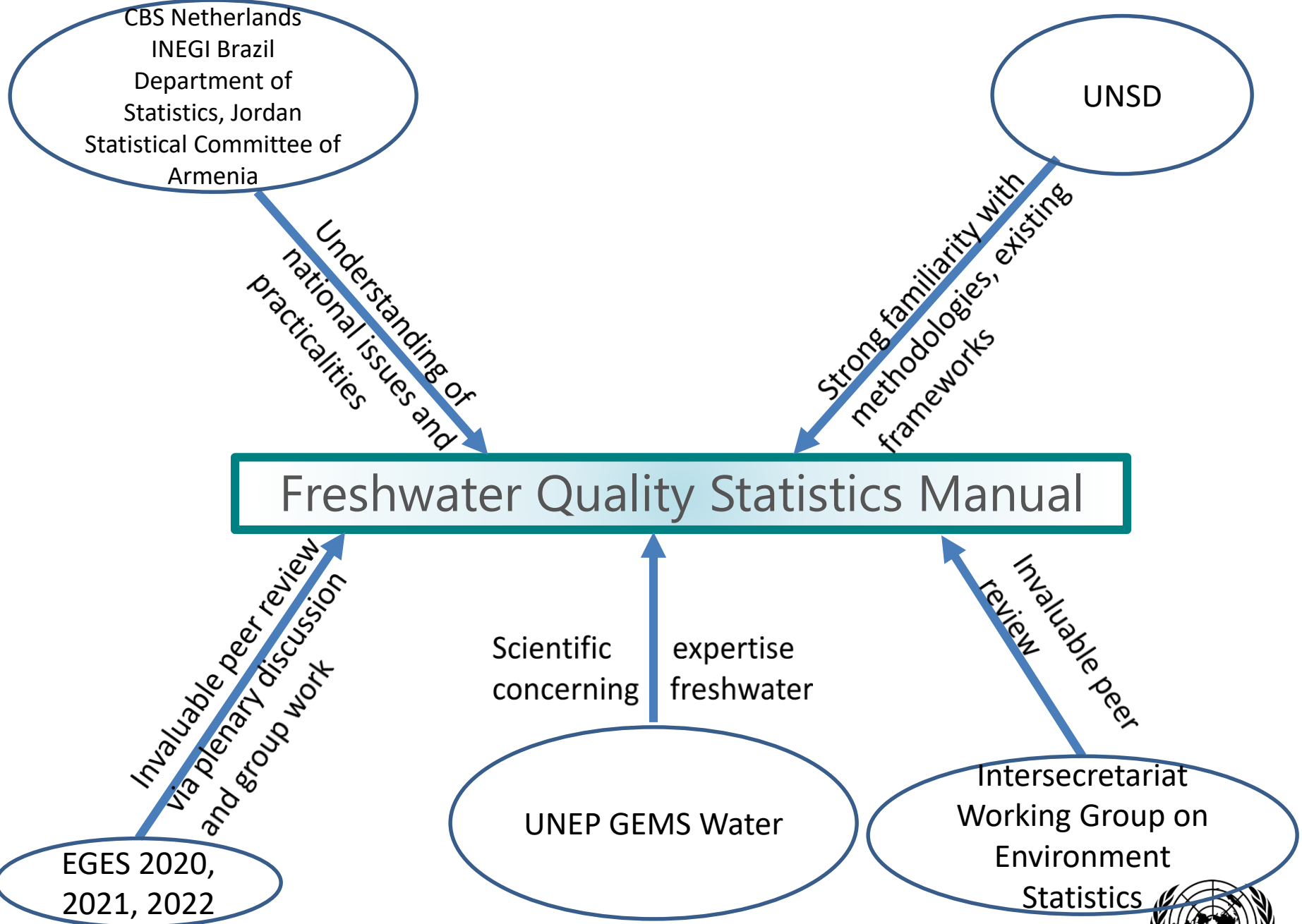
📄 MS 3.2 Wastewater

📄 MS 3.3.1 & 3.3.2 Generation and Management of Waste

📄 MS 5.1 Human Settlements

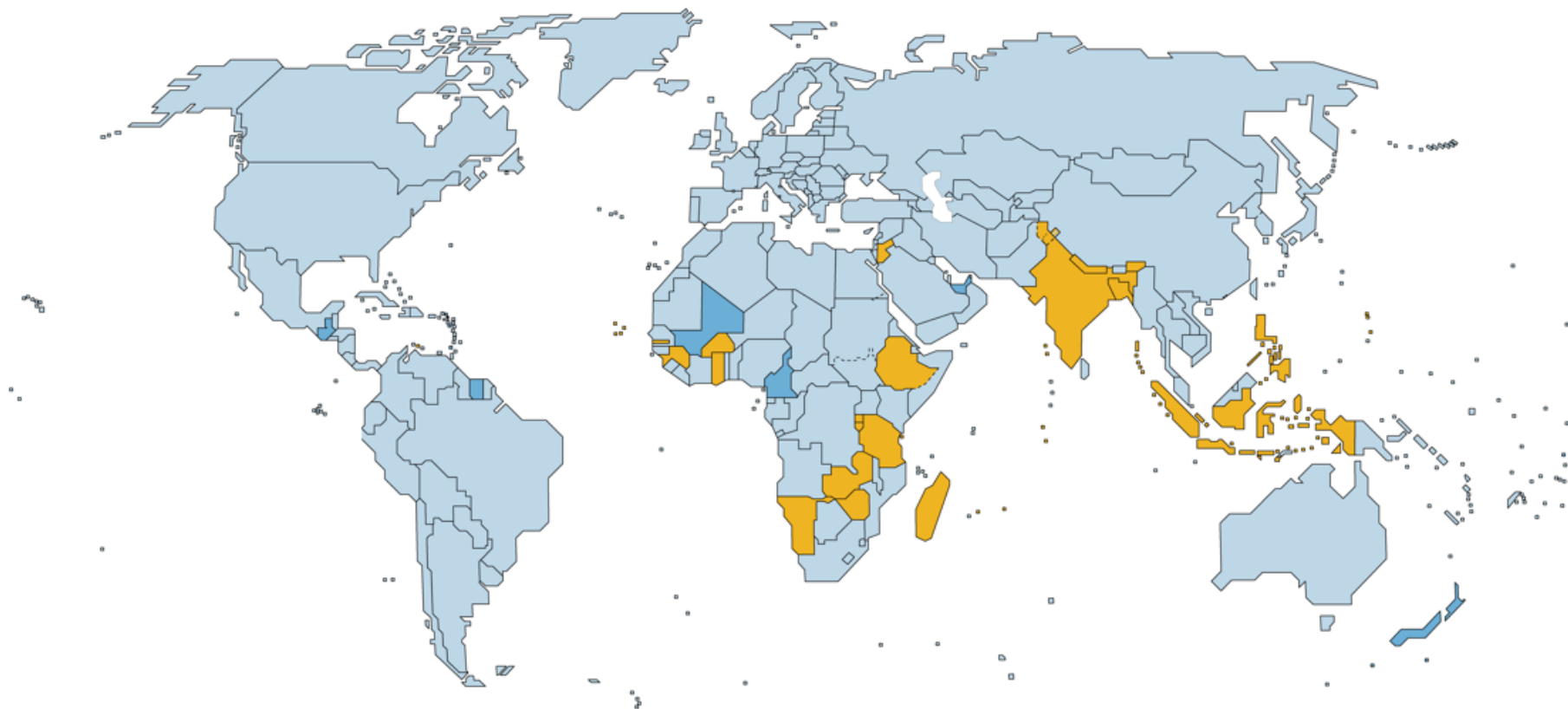
📄 MS 6.1.1 Environmental Protection Expenditures





Examples of countries publishing Environment statistics compendia

Countries known to be compiling Environment Statistics Compendia



FDES-coherent compendium



Environment statistics compendium



UNSD's commitment to provide continuous support

Offers on its website countries compendia via their source links

In the interest of providing context for each compendia being made available, where possible, a link to the source is provided.

Compendiums:

**Climate change statistics reports are available at https://unstats.un.org/unsd/envstats/climatechange_reports.cshtml.

- ▶ Anguilla Environmental Statistics Compendium 2015 [PDF](#) [Background Link](#)
- ▶ Bangladesh Environmental Statistics Framework (BESF) 2016-2030 [PDF](#) [Background Link](#)
- ▶ Bangladesh Pilot Survey on SADD and CCA & DRR [PDF](#) [Background Link](#)
- ▶ Compilation of Bangladesh Environment Statistics 2020 [PDF](#) [Background Link](#)
- ▶ Bangladesh Disaster-related Statistics 2015: Climate Change and Natural Disaster Perspectives [PDF](#) [Background Link](#)
- ▶ Botswana, Environment Statistics Climate Digest, March 2022 [PDF](#) [Background Link](#)
- ▶ Botswana, Environment Statistics Climate Digest, September 2021 [PDF](#) [Background Link](#)
- ▶ Botswana, Environment Statistics Climate Digest, March 2021 [PDF](#) [Background Link](#)
- ▶ Botswana, Selected Environmental Indicators Digest, 2020 [PDF](#) [Background Link](#)
- ▶ Botswana, Environment Statistics Climate Digest, September 2020 [PDF](#) [Background Link](#)
- ▶ Botswana Environment Statistics, Water and Climate Digest, 2017 [PDF](#) [Background Link](#)
- ▶ Botswana Environment Statistics, Natural Disasters Digest, 2017 [PDF](#) [Background Link](#)
- ▶ Botswana Environment Statistics, Water and Climate Digest, 2016 [PDF](#) [Background Link](#)
- ▶ Botswana Environment Statistics Revised Version, 2016 [PDF](#) [Background Link](#)
- ▶ Botswana Environment Statistics, Natural Disasters Digest, 2015 [PDF](#) [Background Link](#)
- ▶ Burkina Faso, Yearbook of Environmental Statistics, 2020, French [PDF](#) [Background Link](#)
- ▶ Burkina Faso, Yearbook of Environmental Statistics, 2019, French [PDF](#) [Background Link](#)
- ▶ Burkina Faso, Yearbook of Environmental Statistics, 2018, French [PDF](#) [Background Link](#)
- ▶ Burkina Faso, Yearbook of Environmental Statistics, 2013, French [PDF](#) [Background Link](#)
- ▶ Burkina Faso, Yearbook of Environmental Statistics, 2012, French [PDF](#) [Background Link](#)
- ▶ Burundi, Directory of Statistics of the Burundi Environment, 2016, French [PDF](#) [Background Link](#)
- ▶ Burundi, Directory of Statistics of the Burundi Environment, 2015, French [PDF](#) [Background Link](#)
- ▶ Cabo Verde, Environmental Statistics, 2016, Portuguese [PDF](#) [Background Link](#)
- ▶ Cameroon, Atlas of Environment Statistics, 2016, French [PDF](#) [Background Link](#)
- ▶ Curacao, Environmental Statistics Compendium, 2020 [PDF](#) [Background Link](#)
- ▶ Curacao, Environmental Statistics Compendium, 2015 [PDF](#) [Background Link](#)



Examples of countries publishing Environment compendia – aligned with the FDES

Bangladesh
 Burkina Faso
 Burundi
 Cabo Verde
 Curacao
 Ethiopia
 Ghana
 Guinea
 India
 Indonesia
 Jordan



Madagascar
 Mauritius
 Namibia
 Nepal
 Philippines
 Rwanda
 Tanzania
 The Gambia
 Zambia
 Zimbabwe



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

Anguilla



Cameroon



Grenada



Guatemala



Mali



Montserrat



Nepal



New Zealand



Suriname



United Arab Emirates



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

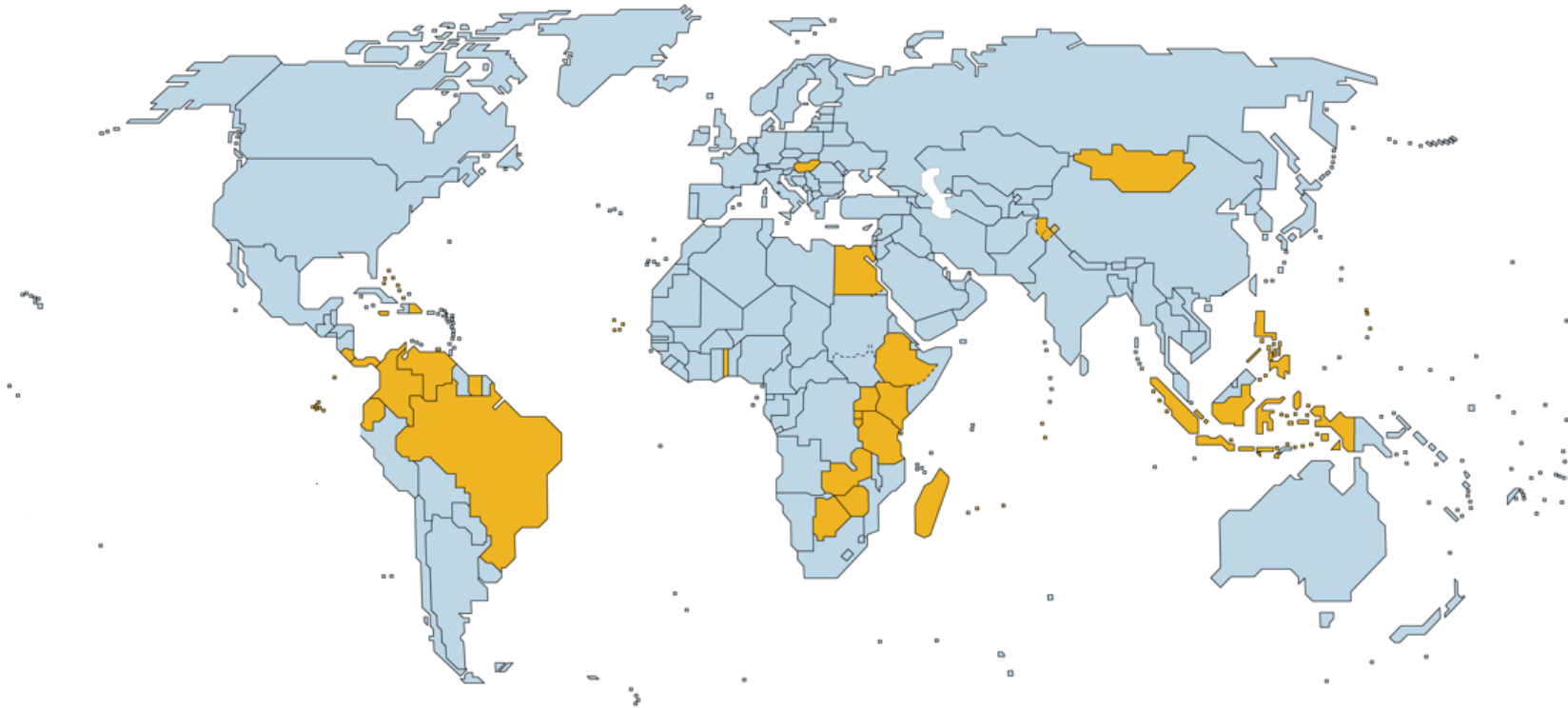
Collection of solid waste, Analysis Report 2021

https://instat-mali.org/laravel-filemanager/files/shares/pub/rapanalyse-collecte-dechets-2021_pub.pdf



Examples of countries applying the ESSAT

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

