



# Framework for the Development of Environment Statistics: Update on Implementation

Session One: Environment Statistics Toolbox

Sixth Meeting of the Expert Group on Environment Statistics, New York  
21-23 May 2019



## Objectives



- FDES guides countries in the development of environment statistics programmes
  - Strengthen national capacities to produce environment statistics regularly
  - Contribute to monitoring of national Sustainable Development Goals
- International and regional institutions support strengthening capacity in countries to develop environment statistics
- Enhance comparability and availability of environment statistics using a common framework
- Better inform policy making decisions

- Languages available: English and Portuguese on website:

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

Russian (ROSTAT) - translated and being copy edited

French (AfDB/Togo) - translated

Spanish (Mexico/ECLAC) - in process

Arabic (Palestine/ESCWA) - under discussion

Chinese - not yet discussed



# FDES in Countries



[https://unstats.un.org/unsd/statcom/doc13/BG-FDES-Environment\\_Blueprint.pdf](https://unstats.un.org/unsd/statcom/doc13/BG-FDES-Environment_Blueprint.pdf)



# Methodological Development and Dissemination of Knowhow



## Methodology

**Methodological work** includes the elaboration of frameworks, concepts, methods, definitions, and data compilation guidelines to support the development and harmonization of national and international statistics on the environment.

- ▶ FDES 2013
- ▶ Basic Set of Environment Statistics
- ▶ Environment Statistics Self-Assessment Tool
- ▶ Expert Group on Environment Statistics
- ▶ Manual on the Basic Set of Environment Statistics
- ▶ International Recommendations for Water Statistics
- ▶ Environmental surveys
- ▶ Concepts and Methods of Environment Statistics
- ▶ Glossary

## Capacity Development

**Technical cooperation, training and capacity building** is provided through regional and sub-regional projects, international training workshops, fellowship arrangements and assistance to countries. Recent projects covered the countries of the CARICOM, ESCWA, ECOWAS and EAC regions.

- ▶ COMESA
- ▶ EAC project
- ▶ ECOWAS project
- ▶ ESCWA project
- ▶ CARICOM project
- ▶ Workshops

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



# Methodological Development and Dissemination of Knowhow

## E-Training on the Framework for Development of Environmental Statistics (FDES) in Africa

The e-training has been developed based on the Framework for the Development of Environment Statistics (FDES 2013) which has been endorsed by the 44th session (2013) of the United Nations Statistical Commission as the framework for strengthening environment statistics programmes in countries. The lecture materials have been developed and delivered by UNSD with management of the training by UNECA.

Session	Title	Presentation	WebEx <sup>1</sup>	Q&A	Quiz <sup>2</sup>
Session 0	Opening session	-	-	-	-
Session 1	Overview of Environmental Statistics	DA T10 (EN) DA T10 (FR) Presentation (EN) Presentation (FR)	Recording (EN) Recording (FR)	Q&A (EN) Q&A (FR)	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)
Session 2	Conceptual Foundation and Structure of the FDES; Linking the FDES and the SDGs	Presentation (EN) Presentation-SDG (EN) Presentation (FR) Presentation-ODD (FR)	Recording (EN) Recording (FR)	Q&A (EN) Q&A (FR)	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)
Session 3	FDES Component 1: Environmental Conditions and Quality	Presentation (EN) Presentation (FR)	Recording (EN) Recording (FR)	Q&A (EN) Q&A (FR)	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)
Session 4	FDES Component 2: Environmental Resources and their Use	Presentation (EN) Presentation (FR)	Recording (EN) Recording (FR)	Q&A (EN) Q&A (FR)	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)
Session 5	FDES Component 3: Residuals	Presentation (EN) Presentation (FR)	Recording (EN) Recording (FR)	Q&A (EN) Q&A (FR)	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)
Session 6	FDES Component 4: Extreme Events and Disasters; FDES Component 5: Human Settlements and Environmental Health	Presentation 1 (EN) Presentation 2 (EN) Presentation 1 (FR) Presentation 2 (FR)	Recording (EN) Recording (FR)	Q&A (EN)	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)
Session 7	FDES Component 6: Environmental Protection, Management and Engagement; Manual on the Basic Set of Environment Statistics; The Environment Statistics Self-Assessment Tool	Presentation (EN) Presentation-ESSAT (EN) Presentation (FR) Presentation - OAESE (FR)	Recording (EN) Recording (FR)	-	Quiz (EN) Quiz (FR) Solution (EN) Solution (FR)

1. To play WebEx recording, please use WebEx player. To download for free, click

2. Question list will be posted before the WebEx session. Solution will be posted before the beginning of the next WebEx session.

### Supporting documents

Online training on FDES developed – partners UNECA

French and English

Blended learning June 2017, followed by distance learning

<https://ecastats.uneca.org/acsweb/FocusAreas/eLearning.aspx>

Recorded lectures, Q&A, Quizzes



# Tools to Support Implementation

## Knowledge Portal

### Methodology

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- Expert Group on Environment Statistics
- Manual on the Basic Set of Environment Statistics
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### Capacity Development

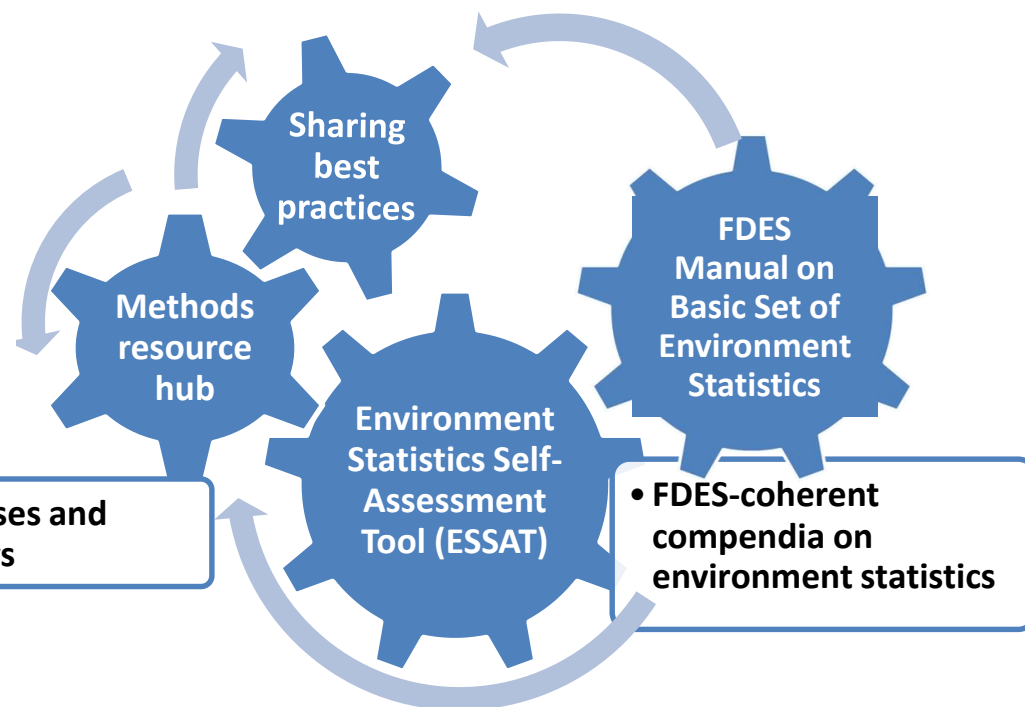
Technical cooperation, training and capacity building is provided through regional and sub-regional projects, international training workshops, fellowship arrangements and assistance to countries. Recent projects covered the countries of the CARICOM, ESCWA, ECOWAS and EAC regions.

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- ECOWAS project
- ESCWA project
- CARICOM project
- Workshops

### FDES 2013

- Basic Set of Environment Statistics
- FDES 2013 brochure
- Blueprint for Action
- Environment statistics compendia applying FDES 2013
- Environment Statistics Self-Assessment Tool
- Framework for the Development of Environment Statistics (FDES 2013)
- Manual on the Basic Set of Environment Statistics

 Expert Group on Environment Statistics



<https://unstats.un.org/unsd/envstats/index.cshml>



# Capacity building and technical assistance

- Activities with DA 9 and 10 projects and UNSD regular programme of technical cooperation
- Delivering in kind contributions with partners
- Regional, sub-regional and national workshops, national capacity development
- Development of training material and delivery of e-learning course

## UNSD activities

Regional workshops to disseminate FDES

- Common Market for Eastern and Southern Africa (COMESA), Mauritius (Jan 2015)
- East African Community (EAC), Tanzania (July 2015)
- Economic Community of West African States (ECOWAS), Togo (Oct 2015)
- Economic Community of Central African States (ECCAS), Gabon (Nov 2017)
- Economic and Social Commission for Western Asia (ESCWA), Lebanon (Nov 2018)
- plus UNECA regional workshop (Kenya)(Sep 2017)

National workshops such as: Kenya, Uganda, Egypt (with COMESA), Rwanda, Tanzania, Burundi, Gambia, Namibia, Equatorial Guinea



# Capacity building results

## National Action Plan

REPUBLICQUE DU BURUNDI

MINISTÈRE A LA PRÉSIDENTE CHARGÉ DE LA BONNE GOUVERNANCE ET DU PLAN

INSTITUT DE STATISTIQUES ET D'ÉTUDES ÉCONOMIQUES DU BURUNDI

**ISTEEBU**

Stratégie Nationale de Développement des Statistiques de l'Environnement de 2018-2022 (SNDSE 2018-2022)

*"En marche avec des statistiques fiables au service du développement"*

Rapport Principal

Financement :

Division de Statistique des Nations Unies (DSNU)

Octobre 2017

## Committee



## Compendium

The United Republic of Tanzania

**National Environment Statistics Report (NESR, 2017) - Tanzania Mainland**

June, 2018





# Countries conducting or initiating Environment Statistics Self-Assessment Tool (ESSAT)



ESSAT: <https://unstats.un.org/unsd/envstats/fdes/essat.cshtml>



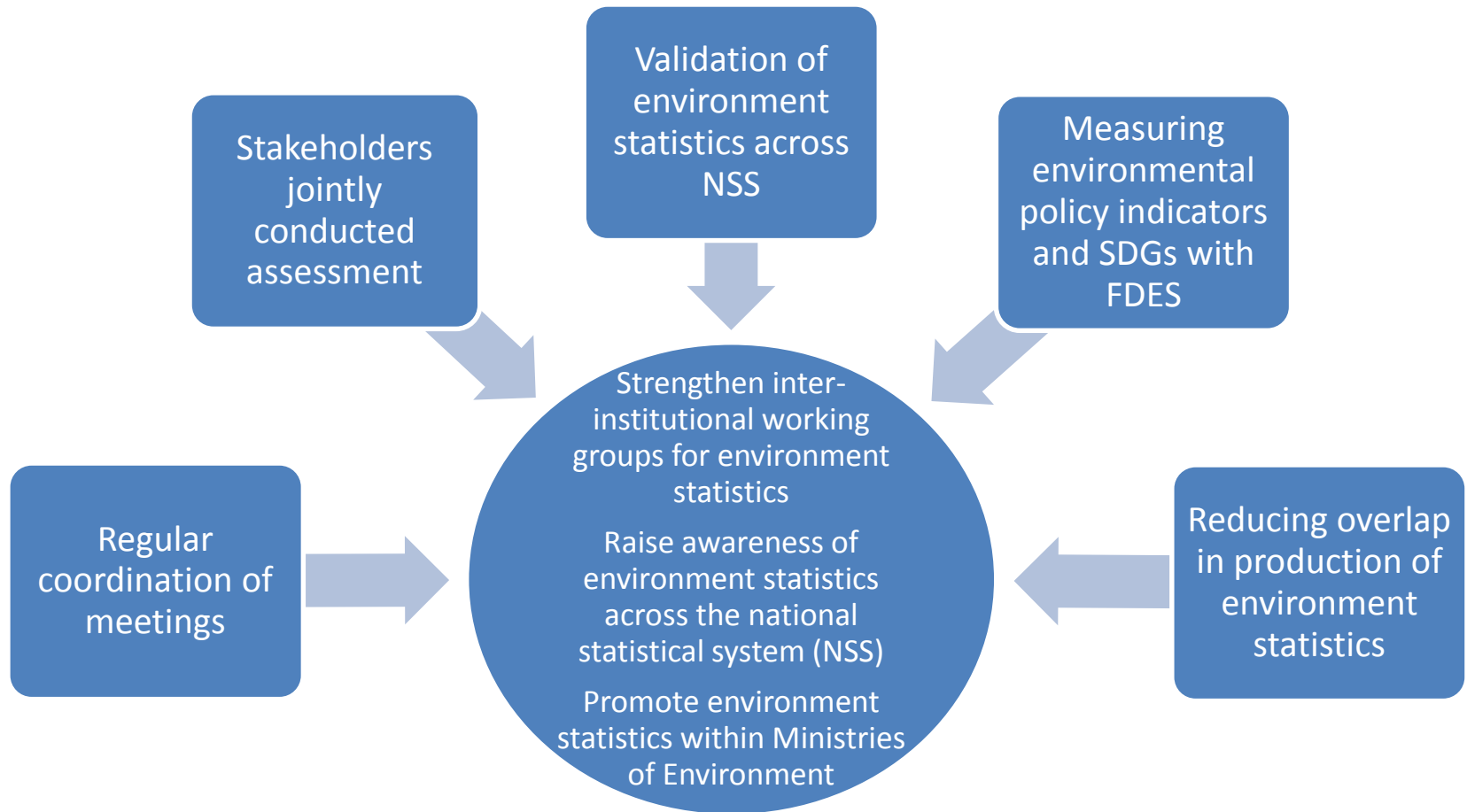
## Countries compiling FDES-coherent compendia



All compendia available at: <https://unstats.un.org/unsd/envstats/fdescompendia.cshtml>



# Activities to strengthen inter-institutional collaboration structures



# Resource mobilization and Advocacy

## Institutionalizing FDES in the National Statistical System

- Togo: UNSD implementation of FDES during high level forum linked to World Statistics Day (Oct 2015)
  - Support generated resource mobilization with African Development Bank, Republic of Korea
- Burundi: Developed Sector Strategic Plan for Environment under the National Strategy for Development of Statistics (NSDS)
  - World Bank support for validation of plan
- Other countries: incorporating environment into NSDS
- Kenya: supported by Swedish International Development Cooperation Agency to strengthen environment statistics, e.g. develop compendium



## Discussion points

- Updating the documents (Ad-hoc or systematic)
  - FDES - 2025
  - Basic Set of Environment Statistics (every two years) – living document
  - Environment Statistics Self-Assessment Tool (ESSAT)
  - Manual on the Basic Set of Environment Statistics – methodology sheets (every 2 years)
  - SDGs and Basic Set Comparison Matrix (every year)
- Only the methodology sheets with \* in the tables of the statistics, e.g. there is a new GHG (Nitrogen trifluoride (NF<sub>3</sub>)) to be reported by Annex 1 Parties, new methodological guidance, or new thinking inorganic/organic vs. artificial/natural
- In what form, addendum or versions (1.1, 1.2, etc)?

