

# Environment Statistics Self-Assessment Tool

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In Support of the Framework for the Development of Environment Statistics (FDES 2013)

# Environment Statistics Self-Assessment Tool

## Introduction

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- the Environment Statistics Self-Assessment Tool (ESSAT) was developed by UNSD in collaboration with the Expert Group on Environment Statistics in support of the FDES 2013.
- The purpose of the ESSAT is to assist countries in:
  - developing their environment statistics programmes;
  - collecting their own data on the environment; and
  - assessing the state of environment statistics and the needs for their development at the national level while being consistent with the scope of the FDES 2013.

# Environment Statistics Self-Assessment Tool

## Introduction

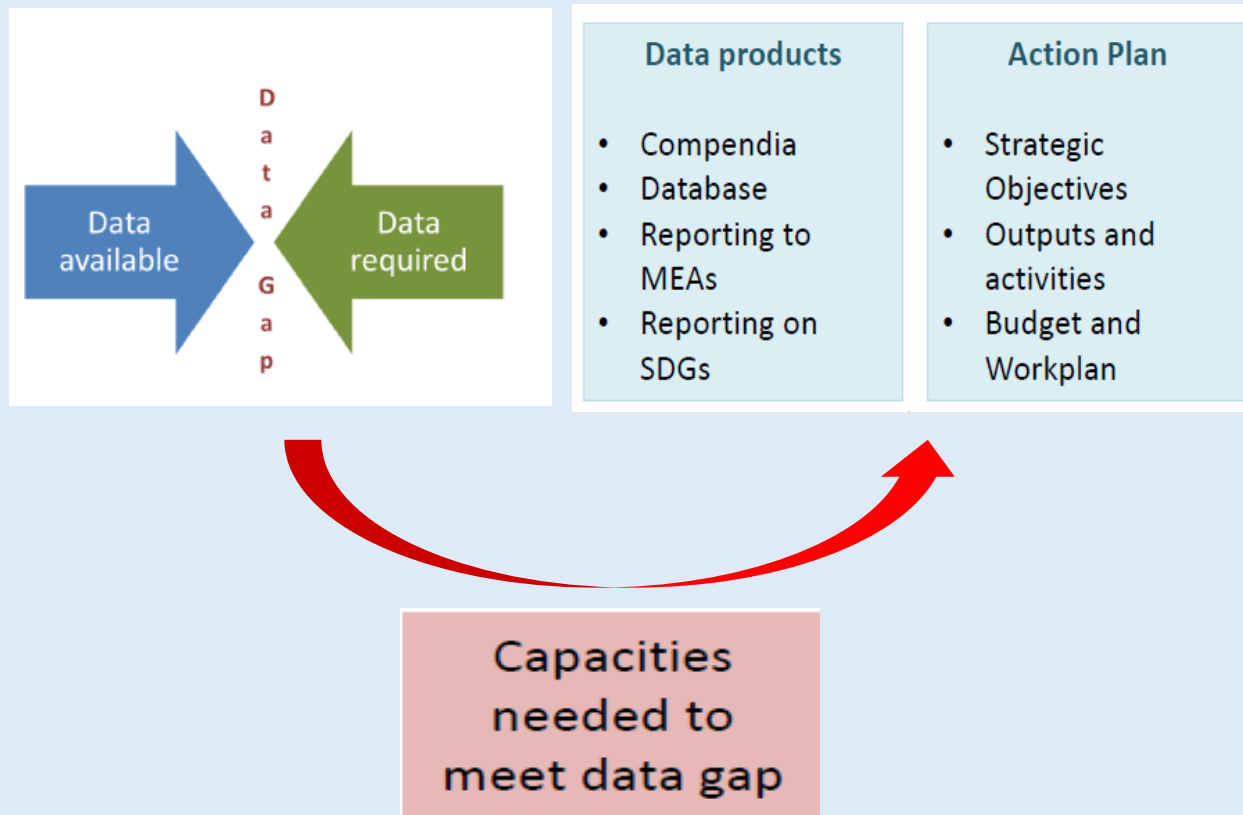


## Countries that have already used the ESSAT

- It is a tool containing relevant information on environment statistics at the national level consistent with the scope of the FDES.
- It consists of an assessment and comparison of the Basic Set of Environment Statistics (458 statistics) contained in the FDES with, inter alia, available national environment statistics, environmental policy objectives and reporting requirements/user requests.

# Environment Statistics Self-Assessment Tool

## Objective



- Which institutions are involved.
- What data is available.
- What data is needed (national environment plans and policies and M&E indicators). - Reporting for Multilateral Environment Agreements and SDGs.
- To identify the data gaps/additional data needed by comparing data availability with need.
- To identify the capacity to meet existing needs and fill data gaps.
- To prioritize data needed.

# Environment Statistics Self-Assessment Tool

## Structure

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### **Part I: Institutional Dimension of Environment Statistics**

Focuses on the overall statistical organizational structure and on specific information regarding environment statistics in terms of organization, collaboration, resources, international cooperation, uses, etc.

### **Part II: Statistics Level Assessment**

Goes in more detail and it captures information concerning the whole Basic Set of Environment Statistics, up to the individual environment statistics level.

# Environment Statistics Self-Assessment Tool

## Part I: Institutional Dimension of Environment Statistics

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- A. Identification of institutions
- B. Existing national policies relevant to the environment
- C. Mandate and organization of national statistics
- D. Mandate and organization of environment statistics
- E. Production of environment statistics
- F. Uses of environment statistics
- G. Inter-institution collaboration for the production of environment statistics
- H. Existing and required resources for environment statistics
- I. International and regional work
- J. Technical assistance and training
- K. The way forward in environment statistics

# Environment Statistics Self-Assessment Tool

## Part II: Statistics Level Assessment

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- It is a diagnostic tool, designed to allow nations to assess the status of their own Environment Statistics production/systems.
- The Self-Assessment Tool consists of a set of questions comparing the statistics in the Basic Set with available national environment statistics, environmental policy objectives and international reporting requirements
- These questionnaires are not intended for international statistic compilation.

# Environment Statistics Self-Assessment Tool

## Part II: Statistics Level Assessment (continue)

<p><b>Statistics and Related Information</b></p>	<p><b>Category of Measurement</b></p>	<p><b>Potential Aggregations and Scales</b></p>	<p>Relevance of Statistic at the National Level (High /Medium /Low/Not Relevant/Not Applicable)</p>	<p>Priority for National Data Collection (High /Medium /Low/Not a Priority)</p>	<p>Availability of Statistic at the National Level (Identical/Similar/Not Available)</p>	<p>Primary Institution(s) Responsible for Collecting Statistic Check all that apply</p>	<p><b>Type of Data Source</b></p>	<p>Requirements or User Requests for Collection/ Reporting on this Statistic Check all that apply</p>	<p>Periodicity (Annual/Monthly/Daily/Hourly/Other [specify])</p>	<p><b>Earliest Year Available</b></p>	<p><b>Latest Year Available</b></p>	<p>Format of Statistic (Publication/Excel/Database/Website/Individual records)</p>	<p><b>Unit of Measurement</b></p>	<p>Main Reasons why Statistic is not Available Check all that apply</p>
<p><b>Bold Text - Core Set/Tier 1</b> Regular Text - Tier 2 <i>Italicized Text - Tier 3</i></p>			<p>NSO</p>	<p>Ministry of Environment or equivalent institution</p>	<p>Other (specify):</p>	<p>Sub-national</p>		<p>National</p>	<p>Regional</p>	<p>International</p>	<p>Resource constraints</p>	<p>Methodological/Technical difficulty in data collection</p>	<p>Insufficient quality</p>	<p>Inaccessibility</p>



# Environment Statistics Self-Assessment Tool

## The Basic Set of Environment Statistics

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The structure of the Basic Set of Environment Statistics follows the hierarchical structure of the FDES (in descending order: component, sub-component, statistical topic, statistic).

The Basic Set of Environment Statistics includes three tiers of statistics:

- Tier 1 (the Core Set of Environment Statistics, in **bold** font) is the basic minimum set of environment statistics which all countries, at any stage of development, are recommended to consider collecting.
- Tier 2 (regular font) includes environment statistics that countries are highly encouraged to have if the situations apply.
- Tier 3 (*italic* font) includes environment statistics which, while still important and widely applicable, require a more significant investment in time, resources or technological development.

# Environment Statistics Self-Assessment Tool

The Basic Set of Environment Statistics (continue)

<b>Number of Statistics</b>	<b>Component 1</b>	<b>Component 2</b>	<b>Component 3</b>	<b>Component 4</b>	<b>Component 5</b>	<b>Component 6</b>	<b>Total</b>
<b>Tier 1</b>	32	30	19	4	12	3	100
<b>Tier 2</b>	58	51	34	11	22	24	200
<b>Tier 3</b>	51	43	5	16	20	23	158
<b>Total</b>	141	124	58	31	54	50	458

# Environment Statistics Self-Assessment Tool

## Filling of the ESSAT

Component 2: Environmental Resources and their Use																
Statistics and Related Information	Category of Measurement	Potential Aggregations and Scales	Relevance of Statistic at the National Level (High /Medium /Low/Not Relevant/Not Applicable)	Priority for National Data Collection (High /Medium /Low/Not a Priority)	Availability of Statistic at the National Level (Identical/Similar/Not Available)	Primary Institution(s) Responsible for Collecting Statistic Check all that apply	Type of Data Source	Requirements or User Requests for Collection/ Reporting on this Statistic Check all that apply				Periodicity (Annual/Monthly/Daily/Hourly/Other [Specify])	Earliest Year Available	Latest Year Available	Main Reasons why Statistic is not Available Check all that apply	
								Sub-national	National	Regional	International					Format of Statistic (Publication/Excel/Databases/Website/Individual records)
Sub-component 2.1: Mineral Resources																
Topic 2.1.1: Stocks and changes of mineral resources																
a. Mineral resources	1. Stocks of commercially recoverable resources	Mass, Volume	<ul style="list-style-type: none"> <li>By mineral (e.g., metal ores including precious metals and rare earths, coal, oil, gas, stone, sand and clay, chemical and fertilizer minerals, salt, gemstones, abrasive minerals, graphite, asphalt, natural solid bitumen, quartz, mica)</li> <li>National</li> <li>Sub-national</li> </ul>													
	2. New discoveries	Mass, Volume														
	3. Upward reappraisals	Mass, Volume														
	4. Upward reclassifications	Mass, Volume														
	5. Extraction	Mass, Volume														
	6. Catastrophic losses	Mass, Volume														
	7. Downward reappraisals	Mass, Volume														
	8. Downward reclassifications	Mass, Volume														
	9. Stocks of potentially commercially recoverable resources	Mass, Volume														
	10. Stocks of non-commercial and other known resources	Mass, Volume														

### Methods:

1. Fill in individual cells directly. Drop-down menus can be used as appropriate.
2. Macros must be enabled in Microsoft Excel. Then one only needs to click on the cells containing the names of statistics within the component spreadsheets, and pop-ups will appear to help fill in the questionnaire.

Both methods can be used at the same time. An index is also available with hyperlinks within Excel which can be used to go directly to the FDES 2013 component, sub-component or topic of interest.

# Thank you



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