

# Session 1.1

# International Requirements for Environment Statistics



**Workshop on Environment Statistics and Information for  
Sustainable Development in the Arab Region**

(Beirut, Lebanon, 12-16 November 2018)



# International Needs for Environment Statistics

## FDES Alignment



Reporting on Multilateral Environmental Agreements

International data collection

Starting point for countries to develop national collections



# Reporting by countries to SDGs and Multilateral Environmental Agreements



United Nations Framework Convention on Climate Change

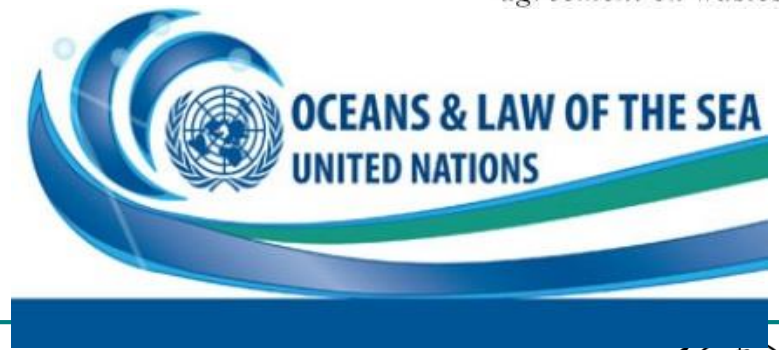


United Nations Convention to Combat Desertification



**BASEL CONVENTION**

*the world environmental agreement on wastes*



# Reporting by countries to SDGs and Multilateral Environmental Agreements

- ❖ For example, reporting on the Convention on Biological Diversity monitored by the Aichi Biodiversity Targets 2011-2020
- ❖ For example,
  - **Target 8:** reduce pollution from excess nutrients to levels detrimental to ecosystem function and biodiversity. (FDES 1.2.2.b Ecosystems chemical and physical characteristics)
  - **Target 9:** identify and prioritize invasive alien species and pathways are identified and prioritized, controlled or eradicated (FDES 1.2.2.c.3 Invasive alien species)
  - **Target 11:** protection of terrestrial and inland water areas, coastal and marine areas (FDES 1.2.2.d Protected areas)
  - **Target 12:** prevent extinction of known threatened species and improve conservation status (FDES 1.2.2.c.1. Known species)

# Examples of Data Collection

- ❖ UNSD
  - Energy statistics, industrial statistics, trade statistics, national accounts, demographic statistics, environment statistics (water and waste)
- ❖ FAO
  - AQUASTAT (water)
  - FAOSTAT (agriculture, nutrition, fisheries, forestry, food aid, land use and population)
  - FISHSTAT (fisheries)
  - FORIS (forests)
  - GLIPHA (Global Livestock Production and Health Atlas)
- ❖ UNEP
  - World Conservation Monitoring Centre (protected areas)
  - GEMS-Water (water quality)

# UNSD Environment Statistics Data Collection



UNSD



United Nations  
Environment Programme

United Nations Statistics Division (UNSD) and United Nations Environment Programme

## QUESTIONNAIRE 2018 ON ENVIRONMENT STATISTICS

### Section: WASTE

#### TABLE OF CONTENTS

<b>Guidance</b>	Introduction, Steps to Follow, Description of Tables
<b>Definitions</b>	List of Definitions
<b>Table R1</b>	Generation of Waste by Source
<b>Table R2</b>	Management of Hazardous Waste
<b>Table R3</b>	Management of Municipal Waste
<b>Table R4</b>	Composition of Municipal Waste
<b>Table R5</b>	Management of Municipal Waste — City Data
<b>Table R6</b>	Electronic Waste Generation and Collection
<b>Table R7</b>	Supplementary Information Sheet

## ❖ UNSD/UN Environment Questionnaire on Environment Statistics



UNSD

United Nations Statistics Division (UNSD) and United Nations Environment Programme

## QUESTIONNAIRE 2018 ON ENVIRONMENT STATISTICS

### Section: WATER

#### TABLE OF CONTENTS

<b>Guidance</b>	Introduction, Steps to Follow, Description of Tables and Conversion Table
<b>Definitions</b>	List of Definitions
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<b>Table W2</b>	Freshwater Abstraction and Use
<b>Table W3</b>	Water Supply Industry (ISIC 36)
<b>Table W4</b>	Wastewater Generation and Treatment
<b>Table W5</b>	Population Connected to Wastewater Treatment
<b>Table W6</b>	Supplementary Information Sheet



United Nations  
Environment Programme



# UNSD/ UN Environment 2018 Questionnaire Content

## ❖ Waste

- R1: Generation of Waste by Source
- R2: Management of Hazardous Waste
- R3: Management of Municipal Waste
- R4: Composition of Municipal Waste
- R5: Management of Municipal Waste — City Data
- R6: Electronic Waste Generation and Collection
- R7: Supplementary information sheet

## ❖ Water

- W1: Renewable Freshwater Resources
- W2: Freshwater Abstraction and Use
- W3: Water Supply Industry (ISIC 36)
- W4: Wastewater Generation and Treatment
- W5: Population Connected to Wastewater Treatment
- W6: Supplementary information sheet

# Dissemination: Environment statistics — UN Data



**Data** Glossary Metadata API More

34 databases - 60 million records Update calendar

Databases	Updates	Country data services
Crime <ul style="list-style-type: none"><li>UNODC Homicide Statistics 2012, UNODC</li></ul> Education <ul style="list-style-type: none"><li>UIS Data Centre, UNESCO UIS </li></ul>	24 Oct @undata The World Tourism Data table in @UNdata was updated with available stats as of mid-Oct 2014: <a href="http://bit.ly/1yulpAm">bit.ly/1yulpAm</a> ; thanks @UNWTO	Afghanistan Albania Algeria Andorra Aruba

**MBS** Monthly Bulletin of Statistics and other UNSD data resources

▶ Popular searches

▶ Feedback and reviews





# Dissemination: UNSD Environmental Indicators

- Air and Climate
- Biodiversity
- Energy and Minerals
- Forests
- Governance
- Inland Water Resources
- Land and Agriculture
- Marine and Coastal Areas
- Natural Disasters
- Waste

## Air Pollution

- Consumption of ozone-depleting substances **XLS**
- NO<sub>x</sub> emissions **XLS**
- SO<sub>2</sub> emissions **XLS**
- Links to other international data sources
- Additional indicators and selected time series

## Climate Change

- Climatological disasters (see Natural Disasters)
- Participation in climate change agreements (see Governance)
- Links to other international data sources

## Greenhouse Gases

- CO<sub>2</sub> emissions **XLS**
- Greenhouse gas emissions **XLS**
- Greenhouse gas emissions by sector (absolute values) **XLS**
- Greenhouse gas emissions by sector (percentage) **XLS**
- CH<sub>4</sub> and N<sub>2</sub>O emissions **XLS**
- Links to other international data sources
- Additional indicators and selected time series



# Dissemination: Country Snapshot — Lebanon

## Country Snapshot - Lebanon



Data

Sources and Footnotes

### Air and climate

Emissions of:		Year
SO <sub>2</sub> (1000t)	93	2000
SO <sub>2</sub> per capita (kg)	29	2000
NO <sub>x</sub> (1000t)	59	2000
NO <sub>x</sub> per capita (kg)	18	2000
CO <sub>2</sub> (million tonnes)	22	2014
CO <sub>2</sub> per capita (tonnes)	4	2014
GHG (million tonnes CO <sub>2</sub> eq.)	18	2000
GHG per capita (tonnes CO <sub>2</sub> eq.)	6	2000
Consumption of ozone depleting CFCs (ODP t)	0	2013

### Biodiversity

Proportion of terrestrial and marine areas protected (%)	1	2014
Number of threatened species	88	2016
Fish catch (tonnes)	3,638	2015
Change in fish catch from previous year (%)	18	2015

### Economy



Note: The boundaries, the names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

Permanent meadows and pastures (% of agric. land)	61	2015
Change in agricultural land area since 1990 (%)	9	2015
Forest area (sq km)	1,373	2015
Change in forest area since 1990 (%)	5	2015

### Population

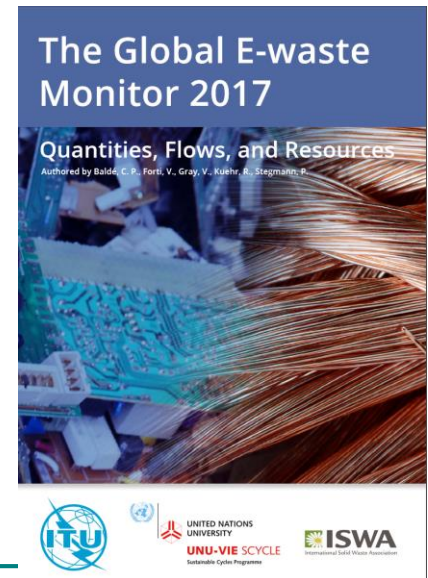
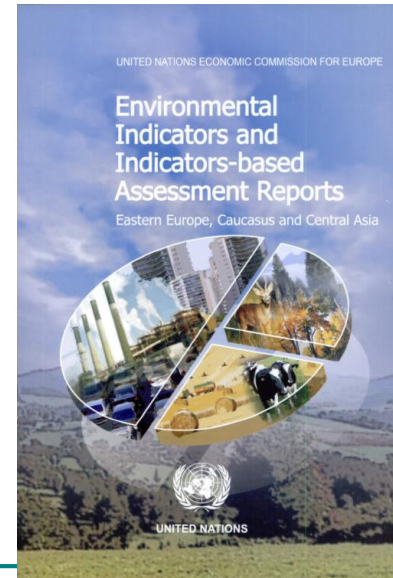
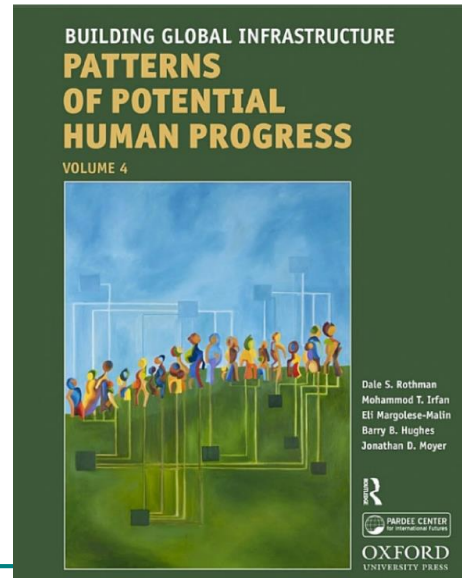
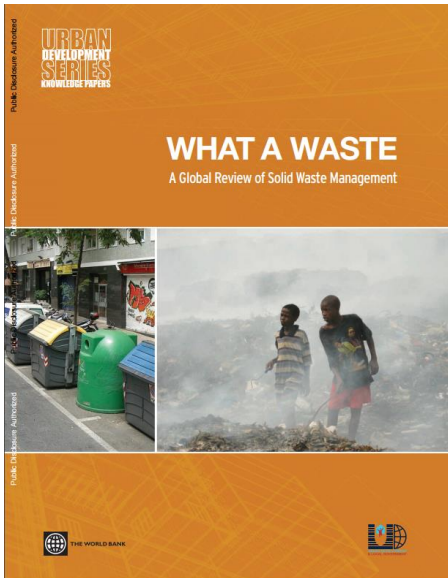
Source: <https://unstats.un.org/unsd/envstats/snapshots/>

United Nations Statistics Division



# Key Data Users

- International agencies (UNEP, UN-Habitat, World Bank)
- Academia/Students
- Journalists
- General Public



# Thank you for your attention!

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website: <https://unstats.un.org/unsd/envstats/>

