Session 1.1

International Requirements for Environment Statistics

Regional Workshop on Environment Statistics and Climate Change Statistics for the Caribbean Community (CARICOM) Region

St. George's, Grenada, 4-8 November 2019

United Nations Statistics Division

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

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

United Nations Statistics Division (UNSD) and United Nations Environment Programme
QUESTIONNAIRE 2018 ON ENVIRONMENT STATISTICS

Section: WASTE

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❖ UNSD/UN Environment Questionnaire on Environment Statistics

United Nations Statistics Division (UNSD) and United Nations Environment Programme
QUESTIONNAIRE 2018 ON ENVIRONMENT STATISTICS

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Table W2	Freshwater Abstraction and Use
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Table W5	Population Connected to Wastewater Treatment
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UNSD/ UN Environment 2018 Questionnaire Content

❖ Waste
  ▪ R1: Generation of Waste by Source
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  ▪ R5: Management of Municipal Waste - City Data
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Dissemination: Environment statistics — UN Data

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_x emissions **XLS**
❯ SO_2 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_2 emissions **XLS**
❯ Greenhouse gas emissions **XLS**
❯ Greenhouse gas emissions by sector (absolute values) **XLS**
❯ Greenhouse gas emissions by sector (percentage) **XLS**
❯ CH_4 and N_2O emissions **XLS**
❯ Links to other international data sources
❯ Additional indicators and selected time series

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

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Country Snapshot - Grenada

Air and climate

Emissions of:		Year
SO$_2$ (1000t)	...	
SO$_2$ per capita (kg)	...	
NO$_x$ (1000t)	...	
NO$_x$ per capita (kg)	...	
CO$_2$ (million tonnes)	0	2011
CO$_2$ per capita (tonnes)	2	2011
GHG (million tonnes CO$_2$ eq.)	2	1994
GHG per capita (tonnes CO$_2$ eq.)	16	1994
Consumption of ozone depleting CFCs (ODP t)	0	2013

Biodiversity

Proportion of terrestrial and marine areas protected (%)	0	2014
Number of threatened species	54	2016
Fish catch (tonnes)	2,707	2015
Change in fish catch from previous year (%)	-5	2015

Economy

GDP growth rate from previous year (%)	2	2016
GDP per capita (at current prices - $US)	9,469	2016
% Value added: agriculture, hunting, forestry, fishing	7	2016
% Value added: mining, manufacturing, utilities	8	2015

Energy

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)	12	2015
Change in agricultural land area since 1990 (%)	-38	2015
Forest area (sq km)	170	2015
Change in forest area since 1990 (%)	0	2015

Population

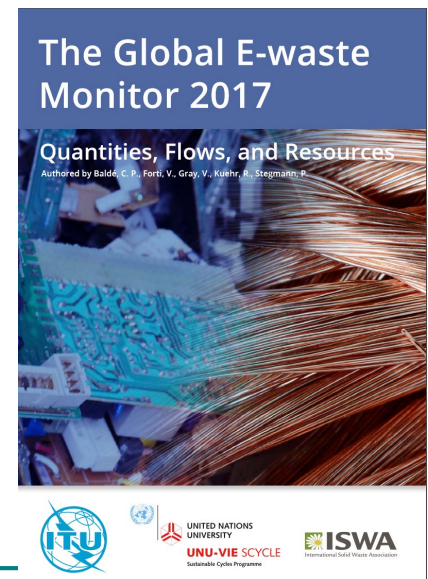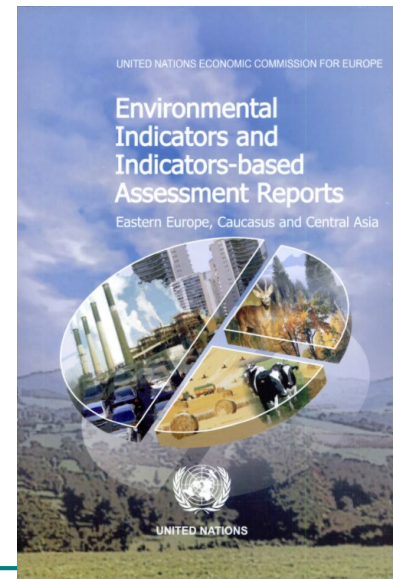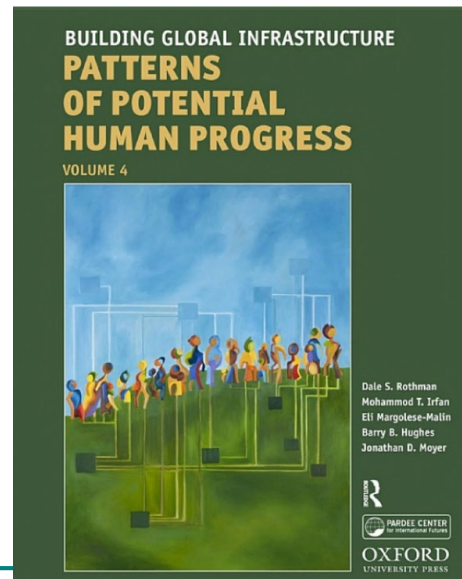|		
Population (1000)	107	2015
Population growth rate from previous year (%)	0	2015

Waste

Total population served by municipal waste collection (%)	...	
Municipal waste collected (1000t)	...	

Dissemination: Country Snapshot — Grenada

...tatistics 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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