

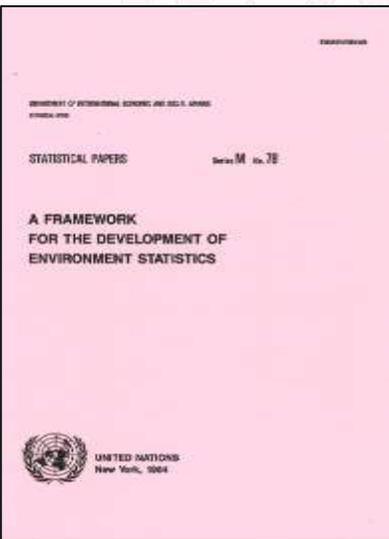


NEWSLETTER

DOSM/SDG/BPPAS/1.2021/SIRI 6



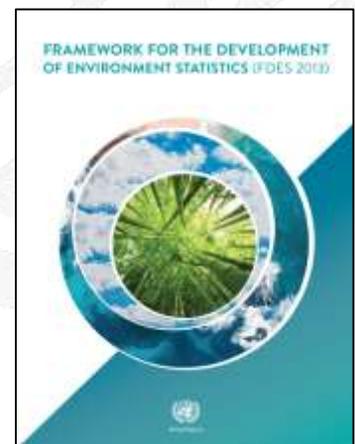
SDG INDICATORS CORRESPONDENCE WITH THE BASIC SET OF ENVIRONMENT STATISTICS OF THE FRAMEWORK FOR THE DEVELOPMENT OF ENVIRONMENT STATISTICS (FDES)



A Framework for the Development of Environment Statistics (FDES) was first published in 1984 by the United Nations Statistics Division (UNSD), along with its subsequent publications, Concepts and Methods of Environmental Statistics: Human Settlements Statistics 3 (1988) and Concepts and Methods of Environmental Statistics: Statistics of the Natural Environment 4 (1991).

The 1984 FDES and subsequent publications have been a useful framework for guiding countries in the development of their environment statistics programmes. Since its publication, many scientific political, technological, statistical and experience-based developments have occurred, which suggested that the FDES could benefit from revision.

FDES 2013 is a revised version of the 1984 FDES taking into account the lessons learned during its application in different countries as well as improved scientific knowledge about the environment and new requirements created by emerging environmental concerns and policy issues, including major Multilateral Environmental Agreements (MEAs). The revision has also taken into account the increasing prominence of environmental sustainability issues and concepts, including the outcome of the Rio+20 Conference and the work on Sustainable Development Goals (SDGs).



FRAMEWORK FOR THE DEVELOPMENT OF ENVIRONMENT STATISTICS IN MALAYSIA



Since 1998, the compilation of environmental statistics in Malaysia was based on the Framework for the Development of Environment Statistics (FDES), Malaysia 1998 which was adopted from the FDES, United Nation 1984. After the implementation of UN FDES 2013, Malaysia has come out with FDES Malaysia 2017 which was tailored to address the environmental statistics at the national level.



FDES Malaysia 1998



FDES Malaysia 2017



The environment statistics in Malaysia was first published in 1998 and continued to be published annually via Compendium of Environment Statistics. The latest edition was published in 2020. This publication provides environment statistics that can be used by government agencies, private sectors, academicians and individuals as a reference to conduct research and analysis.



SDG INDICATORS AND FDES MATRIX



SDG GOALS



FDES COMPONENTS

Comp. 1:
Environmental
Conditions and
Quality

Comp. 2:
Environmental
Resources and
Their Use

Comp. 3:
Residuals

Comp. 4:
Extreme Events
and Disasters

Comp. 5:
Human
Settlements &
Environmental
Health

Comp. 6:
Environmental
Protection,
Management &
Engagement

SDG Goal	Comp. 1: Environmental Conditions and Quality	Comp. 2: Environmental Resources and Their Use	Comp. 3: Residuals	Comp. 4: Extreme Events and Disasters	Comp. 5: Human Settlements & Environmental Health	Comp. 6: Environmental Protection, Management & Engagement
1 No Poverty		/		/		/
2 No Hunger	/	/	/			
3 Good Health	/				/	
4 Quality Education						/
5 Gender Equality		/				
6 Clean Water and Economic Growth	/	/	/		/	
7 Renewable Energy		/			/	
8 Good Jobs and Economic Growth		/				
9 Innovation and Infrastructure			/		/	
10 Reduced Inequalities						
11 Sustainable Cities and Communities	/	/	/	/	/	/
12 Responsible Consumption		/	/			/
13 Climate Action			/	/		/
14 Life Below Water	/	/				/
15 Life on Land	/	/				
16 Peace and Justice						
17 Partnerships for the Goals						



Mapping of FDES and SDG for selected indicators



Indicator 6.1.1: Proportion of population using safely managed drinking water services

FDES:
COMP. 5

5.1.2.a. Population using an improved drinking water source



Total

2019: 95.7%
2018: 95.6%



Urban

2019: 97.3%
2018: 97.3%



Rural:

2019: 94.3%
2018: 94.0%



Indicator 7.1.1: Proportion of population with access to electricity

FDES:
COMP. 5

5.1.2.h. Population with access to electricity



Total

2019: 99.9%
2016: 99.9 %



Urban

2019: 100.0%
2016: 100.0%



Rural

2019: 99.8%
2016: 99.7%

12 RESPONSIBLE CONSUMPTION



Indicator 12.4.2: a) Hazardous waste generated per capita; and (b) proportion of hazardous waste treated, by type of treatment

FDES:
COMP. 3

3.3.1.c. Amount of hazardous waste generated
3.3.2.b.1. Total hazardous waste collected
3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal



Hazardous waste generated per capita

2020: 39,883.3
2019: 33,757.0



2020: 7,185,227.8
2019: 4,013,189.0

Quantity of clinical wastes handled for destruction at incinerators, Malaysia (tonnes)

Scheduled waste managed, Malaysia (tonnes)



Mapping of FDES and SDG for selected indicators (cont.)



Indicator 13.1.1: Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier I)

**FDES:
COMP.
4**

4.1.2.a. People affected by natural extreme events and disasters
 4.1.2.a.1. Number of people killed
 4.1.2.a.2. Number of people injured
 4.1.2.a.3. Number of people homeless
 4.1.2.a.4. Number of people affected



Number of Death, Malaysia (per 100,000 population)

2020: 16
2019: 9



Number of Missing Person, Malaysia (per 100,000 population)

2020: 1
2019: 0



Number of Affected Person, Malaysia (per 100,000 population)

2020: 48,667
2019: 86,406



14.3.1 Average marine acidity (pH) measured at agreed suite of representative sampling stations (Tier II)

**FDES:
COMP.
1**

1.3.3.f. Physical and chemical characteristics
 1.3.3.f.1. pH/acidity/alkalinity



Status of marine water quality at coastal area, Malaysia



Status of marine water quality at estuary area, Malaysia



Status of marine water quality at island area, Malaysia

(Number of stations)

		Status of marine water quality at coastal area, Malaysia	Status of marine water quality at estuary area, Malaysia	Status of marine water quality at island area, Malaysia
2020	Excellent	55	3	46
	Good	41	6	9
	Moderate	88	63	39
	Poor	4	13	1
2019	Excellent	37	3	34
	Good	69	13	33
	Moderate	79	58	27
	Poor	3	11	1

- Sources:
1. Framework For The Development Of Environment Statistics (FDES2013)
 2. Sustainable Development Goal (SDG) Indicators Correspondence With The Basic Set Of Environment Statistics Of The FDES 2013.
 3. Sustainable Development Goal (SDG) Indicators Malaysia 2020

