



# SDGS + FDES BASIC SET OF ENVIRONMENT STATISTICS MATRIX

Fifth Meeting of the Expert Group on Environment Statistics  
New York, 16-18 May 2018



# SDG Indicators and FDES Statistics

- One SDG indicator, but many statistics with:
  - different sources (surveys, admin records, ...)
  - various agencies
  - different periodicities
- For environmentally-related SDG indicators, need for a framework to:
  - structure the data
  - provide interlinkages

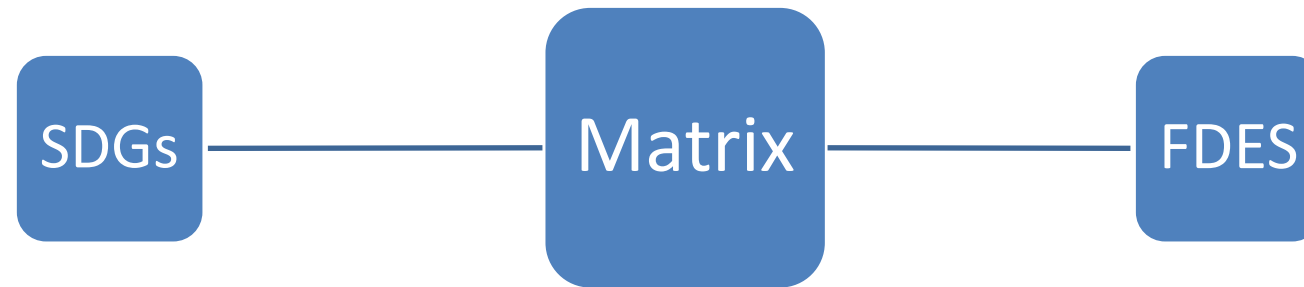
=> The FDES can play this role.



FRAMEWORK FOR THE DEVELOPMENT  
OF ENVIRONMENT STATISTICS (FDES 2013)



# Details and uses of the Matrix

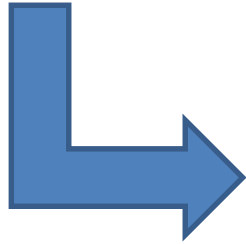


- Developed by UNSD using the available metadata of the SDG indicators
  - Correspondence between the environmentally-related SDGs indicators and the Basic Set of Environment Statistics (BSES) contained in the FDES
  - For Tier I and II indicators the BSES may provide either some or all statistics needed to compile the indicators
  - For Tier III indicators workplans are under development => tentative correspondence
  - Includes FDES statistics directly used in the SDG indicators and related statistics
- ⇒ Provides a framework for underlying statistics for SDG indicators
- ⇒ Links SDG indicators to existing statistics
- ⇒ Gives an idea of required statistics per SDG indicator



# Example

SDGs	
Target	SDG Indicators
6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (Tier I)



FDES			
Location in the FDES: Component Sub-Component and Topic	Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)	Statistics related to but not directly used in SDG Indicators OR Statistics related to Tier III indicators (either fully or partially linked to BSES)	Supporting Information
Component 2: Environmental Resources and their Use, Sub-component 2.6: Water Resources, Topic 2.6.1: Water resources	2.6.1.a. Inflow of water to inland water resources 2.6.1.a.1. Precipitation 2.6.1.a.2. Inflow from neighbouring countries 2.6.1.a.3. Inflow subject to treaties 2.6.1.b. Outflow of water from inland water resources 2.6.1.b.1. Evapotranspiration		Requires long term annual average.
Component 2: Environmental Resources and their Use, Sub-component 2.6: Water Resources, Topic 2.6.2: Abstraction, use and returns of water	2.6.2.a. Total water abstraction 2.6.2.f. Desalinated water 2.6.2.g. Reused water	2.6.2.b. Water abstraction from surface water 2.6.2.c. Water abstraction from groundwater 2.6.2.c.1. From renewable groundwater resources 2.6.2.c.2. From non-renewable groundwater resources 2.6.2.i. Rainwater collection 2.6.2.j. Water abstraction from the sea 2.6.2.k. Losses during transport 2.6.2.n. Returns of water	Requires disaggregation by ISIC activities as recommended in FDES.

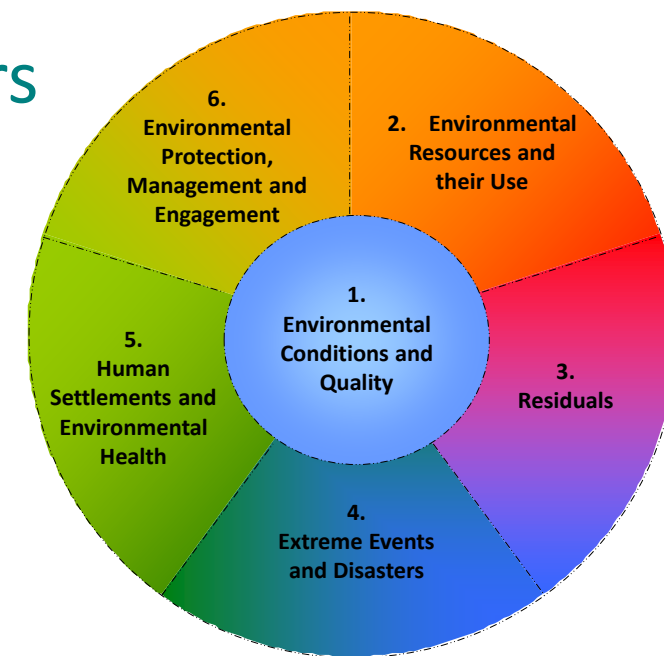


# FDES to SDGs

## Completed for all SDG Indicators

**Table: Percentage of FDES statistics necessary or strongly related to SDG environmental indicators**

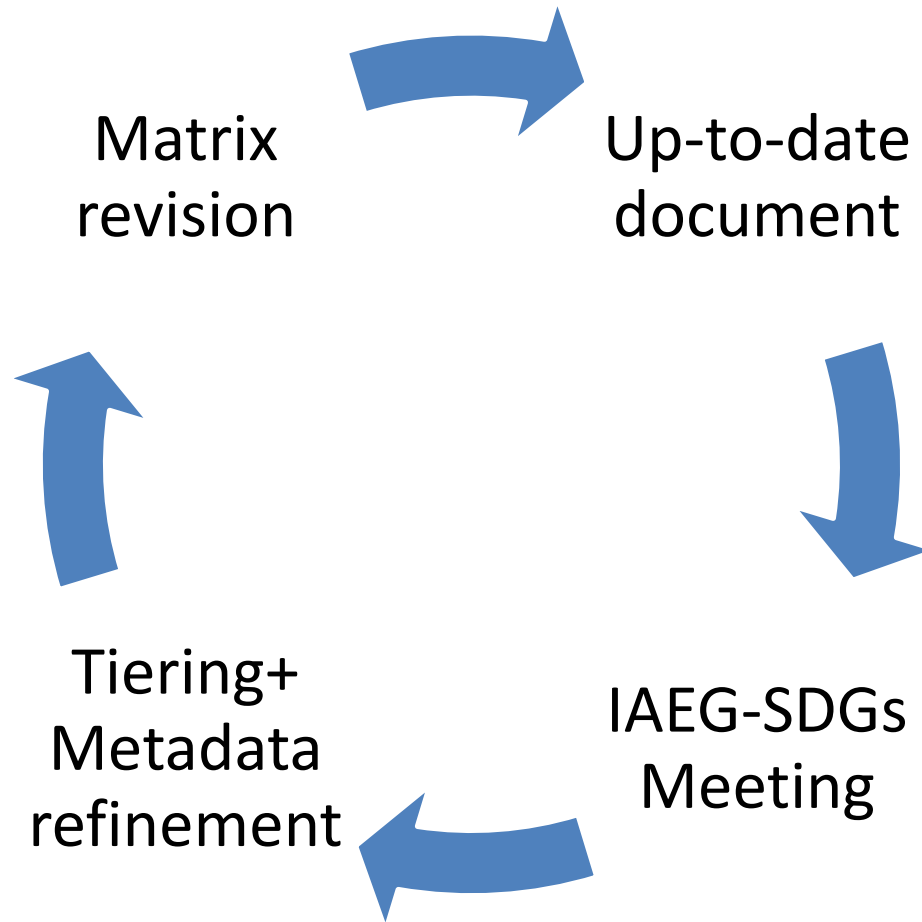
FDES Component	1	2	3	4	5	6	Avg
All FDES Tiers	41	46	55	65	28	40	<b>44</b>
Core (Tier 1) FDES Statistic	81	33	53	25	33	67	<b>53</b>



- Almost all environmentally-related indicators require statistics contained in the Basic Set of the FDES



## Future plans



- Matrix as of 4 April 2018
- IAEG-SDGs meeting 9-12 April 2018
- Matrix update before going online
- Systematic revision process to keep it up to date

