Sixth Meeting of the Expert Group on Environment Statistics New York, 21-23 May 2019 Secretariat Building Room 2727

Templates for national data collection

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CONTEXT

- Many countries where FDES is being implemented, request for templates to facilitate data collection;
- There are so many statistics involved:
 - 100 core statistics
 - 500 basic set
- Demanding task to draft templates

Example 1 template

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| | USERS ARE ADVISED TO CONSULT THE FDES | ENVIRONMENT STATISTICS SELF ASSESS | MENT TOOL (ESSAT) AND THE BASIC SET OF | ENVIRONMENT STATISTICS, SEE https://unstats. | un.org/unsd/envstats/fdes.cs |
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Example 1 continued

Easy navigation and sub-component selection

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| | Sub-component 1.1: Physical Conditions Sub-component 1.2: Land Cover, Ecosystems and Biodiversity Sub-component 1.3: Evironmental Quality Sub-Component 2.1: Mineral Resources Sub-component 2.2: Energy Resources Sub-component 2.3: Land Sub-component 2.4: Soil Resources Sub-component 2.5: Biological Resources | v | | | | |
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Challenges

• Building a database from the data entered into the template, e.g. database

| Year | Region | Period | Min temp | Max temp | Long term average |
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| 1990 | | Daily | | | |
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Further country examples

• Mauritius

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| 3 Table 1.1 - Main islets by geographical district and area. 2016 | | | | | | | | |
| 4 Table 1.2 - Monthly Mean temperature, 2007 - 2016 | | | | | | | | |
| 5 Table 1.3 - Monthly Mean maximum temperature, 2007 - 2016 | | | | | | | | |
| 6 Table 1.4 - Monthly Mean minimum temperature, 2007 - 2016 | | | | | | | | |
| 7 Table 1.5 - Mean annual rainfall by region, 2007 - 2016 | | | | | | | | |
| 8 Table 1.6 - Monthly Mean rainfall by region, 2016 | | | | | | | | |
| 9 Table 1.7 - Monthly (24-hourly maximum) rainfall by station, 2007 - 2016 | | | | 1 | | | | |
| 10 Table 1.8 - Monthly mean relative humidity (%) with extremes, 2016 | | | | | | | | _ |
| 11 Table 1.9 - Mean monthly and extreme values of mean sea level atmospheric pressure at Plaisance aeronautical station, 2007 - 2016 | | | | | | | | |
| 12 Table 1.10 - Monthly mean wind speed and highest gusts at Plaisance aeronautical station, 2007 - 2016 | | | | | | | | |
| 13 Table 1.11 - Monthly total hours of sunshine by region and station, 2007 - 2016 | | | | | | | | |
| 14 Table 1.12 - Gross storage capacity and characteristics of reservoirs and major lakes | | | | | | | | |
| 15 Table 1.13 - Percentage water level by month and reservoir, 2015 - 2016 | | | | | | | | |
| 16 Table 1.14 - Invasive alien plant and animal species | | | | | | | | |
| 17 Table 1.15 - Number of mangroves planted and area covered, 2012 - 2016 | | | | | | | | |
| 18 Table 1.16 - Fauna population. Republic of Mauritius. 2014 | | 1 | | | | | | |
| 19 Table 1.17 - Flora population. Republic of Mauritius, 2014 | | | | | | | | |
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| 5.1.1.a and b | | | | | n Census year a | | | | | | | | | | - | | |
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| 5.1.3.g | Table 7.4 | .1 Percer | nt distribu | ition of househ | olds by main m | aterial used f | or outer wal | ls | | | | | | | | | |
| 5.1.3.g | Table 7.4 | .2 Percer | nt distribu | ition of househ | olds by main m | aterial used f | or the roof | | | | | | | | | | |
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| 5.1.2.c | Table 7.7 | Percent | age distrib | bution of house | eholds by mean | s of waste/ga | rbage dispos | al | | | | | | | | | |
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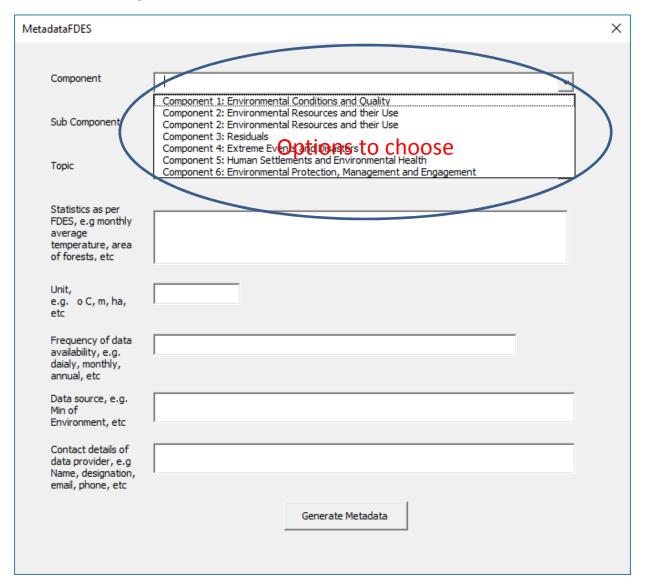
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Example 2 Graphical User Interface (GUI)



Challenges

- Requires special IT skills
- Time consuming to design
- Design of database to be used to extract data, e.g. using pivot tables

Standardization

Using statistical classification helps to standardize data for:

- International data comparison
- For consistency by establishing boundaries
- Aggregations
- Allows smooth sharing of data
- Analytical tools, e.g. ISIC at its lower levels of detail can show the economic interactions taking place between the different activities, allowing understanding of the interlinkages of the production of an economy.

Discussion points

- there are six components and most of them are different in terms data collection frequency; geographical coverage, sectoral coverage, classifications to be used and units of measurement, among other issues.
- The issues exist within and among the different components.
- How many templates do we need, for basic set or for the core set?
- How many topics can be included should we have a priority list?
- How to choose the dis aggregation levels e.g. catchment, economic sectors, aquifer zones, region, agroe-cological zones and administrative units.
- Use of international definitions against national ones e.g. forest area.

The End

*THANK YOU

* GRACIAS