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UNITED ARAB EMIRATES دولة الإمارات العربية المتحدة
NATIONAL BUREAU OF STATISTICS المركز الوطني للإحصاء

First Expert Group Meeting ON

Revision of the Framework for the Development of Environment Statistics (FDES)

The criteria should be used when determining the core set of environment statistics

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The criteria

A- main characteristics

b- Dimensions

c- Related with other issues



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A - Main characters of the core set of environment statistics:

1- Relevance

- reflects the degree to which it meets the real needs of users
- It is depend on the choice of variables, statistical population, definition, classification, and statistical aggregates
- a close cooperation between data producers and data users is required.

2- Measurable and statistically sound

- it should be quantitative data
- statistical variables suppose to be measured regularly and consistently over time
- it should be derived from high-quality data using same standards and same methodology.
- It should be meaning full and scientifically accepted



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Cont. A - Main characters of the core set of environment statistics:

3- Simple and easily understood

- It should be simple without missing the scientific facts, and easy to understood by a broad audience
- The availability of the supplementary information, and metadata necessary to interpret and utilize it appropriately
- The supplementary information normally covers the underlying concepts, variables and classifications used the methodology of data collection and processing, and indications of the accuracy of the statistical information.



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Cont. A - Main characters of the core set of environment statistics:

4- Cost effective

- The efficient way is to make a balance between costs and benefits of environment data.
- Environment surveys considered as one of the most expensive surveys
- It is worth to reduce the cost of data collection and data processing by different ways
- The cost of acquiring data by users should be reasonable



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Cont. A - Main characters of the core set of environment statistics:

5- Internationally comparable

- It should be consistent with international standards
- Comparable
- The development of international harmonization of environment data is important

6- The Timelines

- It is important to make comparison of data for the same reference period.
- The reduction of the period between data collection and data dissemination is required.



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Cont. A - Main characters of the core set of environment statistics:

7 - Other quality characteristics

- Reliability

This aspect concerns in the first place the agreement between data and reality

-Accuracy

It includes both sampling and non sampling errors, like the measurement errors

- Consistency

It refers to logical and numerical coherence

- Coherence

adequacy to be reliably combined in different ways and for various uses.

- Accessibility

It defined as the ease and the conditions with which statistical information can be obtained



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B- Dimensions

1- Geographic dimensions

- GIS as a tool for environment statistics.
- The data disseminations with geographic sites and other means like maps to clarify the data.
- the map contains different layers and each layer connect with attribute data.

2 - Economic dimension

- Use of economic tools in environment statistics
- Use of economic modules

3 - Subject matter

Statistician concerned with processing, analysis or dissemination of data within a particular subject area



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Cont. B- Dimensions

4 - National and international priority

- national priority

The main users with coordination of NSO is to specify the topics to be included.

- The international priority should be taken into consideration.

5 - Topics should be comprehensive and cover both sustainable and performance issues:

- geographical areas; all target population, and the time series without gaps.
- cover assessment statistics and the performance topics like policies.



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C- Related with other issues

1- Integrated with other topics

- it is integrated with most of statistical topics, so it will be difficult to generate environment statistics when the other integrated data is not available
- the synergy of environment statistics with other related statistics essential.



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Cont. C- Related with other issues

2 - Ecosystem approach

- Ecosystem" means a dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit".

The ecosystem approach deal with the integrated management of land,- water and living resources that promotes conservation and sustainable use in an equitable way.



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Cont. C- Related with other issues

3 - Closely align with international best practice and international Conventions

- The environment statistics should apply the 10 Fundamental Principles of Official Statistics approved by UN (at its eighth session, held at Addis Ababa in March 1994).
- The environment statistics should take into consideration the international convention and its requirements.

4 - Economic-environmental accounting approach.



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Thank you