First Expert Group Meeting ON

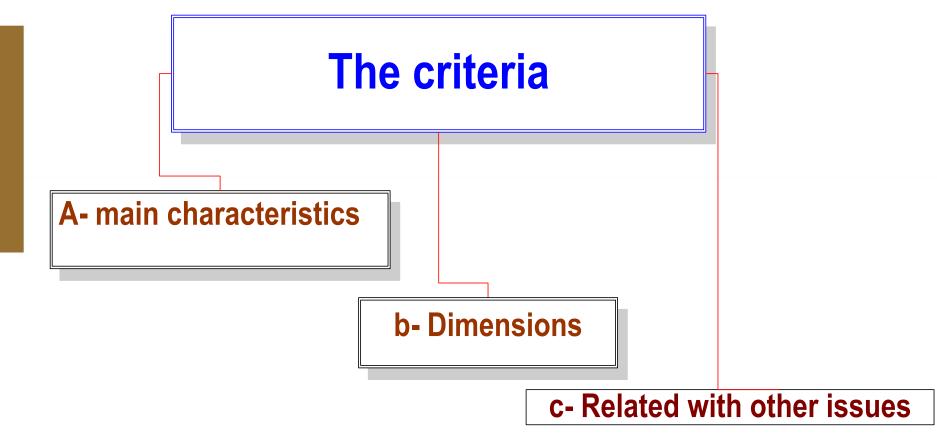
Revision of the Framework for the Development of Environment Statistics (FDES)

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

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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



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.



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



5- Internationally comparable

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

6- The Timelines

- t 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.



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

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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



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.



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.



Cont. C- Related with other issues

2 - Ecosystem approach

- Ecosystem" means a dynamic complex of plant, animal and microorganism 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.



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 it is requirements.
- 4 Economic-environmental accounting approach.



شکر آ Thank you