Session 2: Regional and National Work on Environmental Information

Environment Live Data and Services
The Indicator Reporting Information System (IRIS).

Tue-13-Nov-2018
Session: Time: 11:30 am – 12:30 pm; Venue: UN ESCWA, Beirut, Lebanon

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Science and Data driving our Common Future

“… The availability of quality, accessible, open, timely and disaggregated data is vital for evidence based decision-making and the full implementation of the 2030 Agenda and realization of its ambitions of leaving no one behind …” SDG Progress Report 2018

“… to demonstrate how UN Environment Programme of Work 2018 – 2021 integrates the 2030 Agenda using its Strategy to support data collection, analysis and reporting. The UN Environment Live initiative provides baseline data and monitors progress against the Goals …” UN Environment Executive Director, 2018 Compact
Environment Live Data and Services -1/3

https://environmentlive.unep.org/region/data/WS#charts
Environment Live Data and Services – 2/3

https://environmentlive.unep.org/region/data/WS#charts
Environmental Live Data and Services – 3/3

https://environmentlive.unep.org/country/reportingobligations/LB#reporting_obligations
Integrating a variety of services
Connecting national and regional indicator reporting systems to data monitoring systems to produce among other products:

- State of the Environment Reports
- Data Compendiums based on the Framework for Development of Environment Statistics
Services – SDGs and Environment Statistics

1 2 3 4 5 6 7

Water quality, water resource management and freshwater ecosystems

Sustainable consumption and production, including material flow accounts, chemicals and wastes, environmental policy, food waste and fossil fuels.

Ocean related indicators on marine litter, eutrophication, marine management and coverage of protected areas

Protected areas, including mountains, and national CBD targets, public expenditure on conservation and biodiversity

Environmentally sound technology and sustainable development policy

UN Environment is custodian agency for 26 Sustainable Goals Indicators

11 out 26 are tier I and tier II and their data is reported to the Secretary General Global Global database.
Services – Scientific information on the Environment

Research4Life partnership
-> Online access to research in the environment (OARE)

OARE provides access to a collection of up to
- 11,500 scientific journals,
- 27,000 e-books,
- 40 databases and
- other information resources in 118 countries.
Services – Global Environmental Monitoring

Collecting global water quality data since 1978

Network of over 4,000 stations in 75 countries
The full GEO-6 as well as the translated Summary for Policy Makers will be made available to the Fourth United Nations Environment Assembly in March 2019 for endorsement.
Services – Private and Citizen Science

One Global Partnership including the Private Sector

Global Resource Information Database and Data Centres
- Existing Data and Competence Centres
- GRID and Data Centres
Services – Global Partnership
The public is provided with the opportunity to:

- Find out what is happening to their changing environment
- Find out the consequences of everyday choices
- Think about future directions for policy.

Published monthly to, among others:

- highlight a hotspot of environmental change,
- feature an emerging science topic, or
- discuss a contemporary environmental issue.
Connecting national and regional indicator reporting systems to data monitoring systems to produce among other products:

- State of the Environment Reports
- Data Compendiums based on the Framework for Development of Environment Statistics
Indicator Reporting Information System

SEIS – an inside look

SEIS Home Page

https://environmentlive.unep.org/seis/default
Datasets

Users are able to select Datasets based on their Theme, Indicators, Year of Publication of the selected dataset, and years the dataset reports on.
User can view the overall national score. The calculation is based on the average scores for all assessed datasets.
Datasets

Relevance

Do you actively or passively collect user feedback to assess whether the data flow meets the needs of users? ; Is the data flow used for more than one purpose? ; Do you regularly improve your data to meet the needs of users?
Datasets

Accuracy

Where do you get the primary data from? ; Are any other data sources available on the same topic? ; If the answer to question above is yes, do you systematically compare the data with data from other sources? ; Are data validation procedures in place? ; Do you carry out revisions to the data? ; If the answer above is regularly or occasionally, please indicate the circumstances in which revisions are carried out.
Datasets

What is the frequency of dissemination of the data flow?; When was the data flow released?; If the answer above is one of the options A-D, what is the punctuality of the data flow online release?; What is the reference year of the data flow?; What is the timeliness of the data flow?

Timeliness

What is the frequency of dissemination of the data flow?; When was the data flow released?; If the answer above is one of the options A-D, what is the punctuality of the data flow online release?; What is the reference year of the data flow?; What is the timeliness of the data flow?
Datasets

Accessibility

- Is the data flow available and accessible online for users on any national platform?
- Is the primary data from public authorities readily available and accessible for users?
- In what formats is the information on the data flow presented?
Datasets

Clarity

Do procedures and guidelines for data quality management exist? ; Are metadata available for the data flow?

SEIS – an inside look

Update Self Assessment

# Theme: Water

**Indicator**: C10.DOD and concentration of ammonium in rivers

**Dataset**: Mean concentration of BOD in major rivers

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<th>Relevance</th>
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D24. Are there national legislation, plans, programmes or strategies in place related to the production of the data flow?

- Yes
- No

If the answer to this question is yes, please specify:

(Data monitoring is completed)
Datasets

Comparability

Do you apply internationally agreed procedures in the production of the data flow?; What is the length of the time series of the data flow?; Are there any breaks in the time series of the data flow (e.g. owing to a change of methods)? ; Are there any limitations in comparing the data flow across regions and countries?
Datasets

Institutional and organizational arrangements

Are there national legislation, plans, programmes or strategies in place related to the production of the data flow?; Are there any legal or institutional arrangements for regular production and sharing of data between various institutions at national level in place?
Value Proposition

1. Harnessing Big Data for DECISIONS, POLICY and ACTION (UN Wide Strategy and Across UN Environment)

2. World Environment Situation Room: UN Environment response to Big Data on the Environment Revolution

3. It is about IMPACT ON PEOPLE and on the GROUND (countries)

4. Based on Solid SCIENCE and building the FUTURE: FORESIGHT

5. A Worldwide HUB PARTNERSHIP including the PRIVATE SECTOR

OFFICIAL LAUNCH OF THE WORLD ENVIRONMENT SITUATION ROOM BY THE UN ENVIRONMENT EXECUTIVE DIRECTOR March 2019
THANK YOU