Economic and Social Commission for Western Asia

Data Collection and Frameworks for Environment Statistics and Accounts in the Arab Region جمع البيانات وأطر الإحصاءات والحسابات البيئية في المنطقة العربية

The Tenth Meeting of The Steering Committee of The Arab Statistics Initiative

(Arabstat)

8-9 November 2023 - Abu Dhabi - U.A.E.





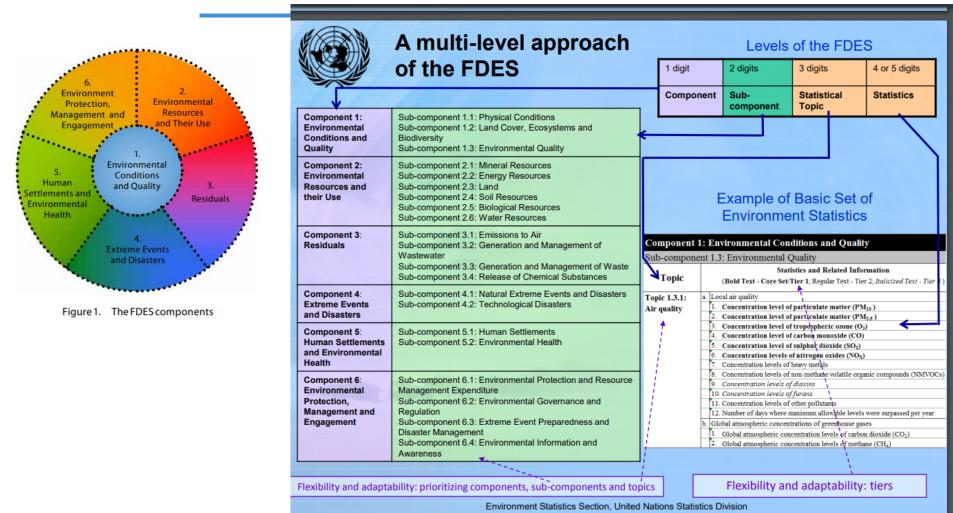
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Chief of Economic Statistics
Statistics, Information Society and
Technology Cluster
UNESCWA

Content

- I. Frameworks for Environment statistics and Environmental Economic Accounting
- II. UNSD/UNEP Data Collection of Water Waste Statistics to Inform FDES
- III. Climate Change Set of Indicators: Complementarity ESCWA Countries and MedStat V Programme)
- IV. New Technologies: Satellite Imagery and Geo-Statistics Information for informing on indicators (Land cover, Climate Change etc..

Framework for Development of Environment statistics (FDES)

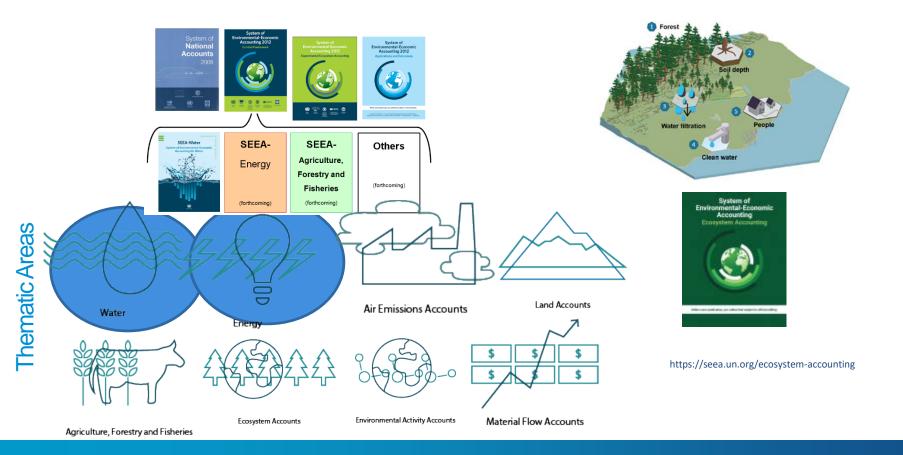


Adoption of the Global Set at the 53rd Session of the Statistical Commission Implementation support tools and guidelines Climate Change Statistics and Indicators Self-Assessment Tool (CISAT)

Tenth Meeting of the Expert Group on Environment Statistics

SEEA: Central framework and Ecosystem Accounting

https://seea.un.org/



ESCWA had projects funded by UNDA and XB since 2004 on Environment, Energy and SDGS to provide technical assistance and capacity building to develop pilot accounts with Member Countries on SEEA Water and SEEA Energy.

But the production stopped when the projects ended. Countries do not produce regular accounts.

System of Environmental Economic Accounting (SEEA)

Global Assessment of Environmental-Economic Accounting and Supporting Statistics 2023 Email to NSO from SEEA-DESA

Global Assessment 2022

Figure 4. Top five categories of accounts per region

	AFRICA	ASIA	LATINAMERICA AND THE CARIBBEAN	OCEANIA	NORTHERN AMERICAAND EUROPE
1	Energy	Energy	Energy	Energy	Air emission, Energy
2	Water	Water	Water; Agriculture, forestry & fisheries	Water, Waste	Material flow, Environmental protection and management expenditure
3	Agriculture, forestry & fisheries	Material flow	Land, Environmental protection and management expenditures, Ecosystem extent	Land, Ocean	Taxes and subsidies
4	Land	Air emission, Land, Environmental protection and management expenditure	Ecosystem condition	Taxes & subsidies; Agriculture, forestry & fisheries; Ecosystem extent; Ecosystem services; Carbon	Environmental goods and services sector
(5)	Ecosystem extent	Waste	Air emission, Waste	N/A	Ecosystem extent

SEEA status in Arab Countries in 2018

0	0	F		in Arab Countries in 2018	lou .
SEEA status 2018	accounts?	Funding?	compiled (thematic	Plans to begin compilation of accounts in new thematic area?	
	Planning				Priority of water
Iraq	Yes (compilation/publis hing status unclear)		Water		Priorities of water, energy and land
Jordan	Planning				Received technical assistance and training in 2014, but could not establish programme at that time; there is a need for more training and more integration with other ministries Priorities are water, energy and waste. Would like to have a field visit to Indonesia to learn about their experience in applying the SEEA.
Kingdom of Saudi Arabia	No				Plans of the Department of Environment Statistics are: 1. Participation in UNSD/ESCWA/AITRS training; 2. In 2019, include questions in forms used by the General Authority of Statistics to cover the part of the environmental economic accounting; 3. Statistics data of environmental-economic accounting will be published in 2020. Priorities of waste, water and energy
Kuwait	No				
Oman	No				Priorities of water and energy
Palestine	published	Periodic funding but are planning to increase staff by three employees	EPEA	MFA, water, energy, land, timber, aquatic, water emissions, air emissions, waste, ReMEA, EGSS, taxes, subsidies, Agriculture forestry and fisheries; Plan to do all ecosystem accounts after 2020	SEEA embedded in NSDS; have received technical assistance for water ar waste accounts
Qatar	Planning			Materials, water, energy, land, aquatic, biological, air emissions, water emissions, EPEA, ReMEA, EGSS, taxes, subsidies, agriculture forestry and fisheries	Water and EPEA are highest priority
Sudan	No				Priorities of energy and minerals, water and forest
Tunisia	Yes (compilation/publis hing status unclear)		Water		Did not respond to Global Assessment, but have water accounts; waste an energy are priorities
•	Compiled and published	Regular funding	MFA, water, energy, timber, air emissions, EPEA, EGGS, taxes		SEEA is in NSDS; DG Forestry did pilot study on ecosystems in 2015 for Bolu, Duzce region via WAVES. Have received technical assistance on CF accounts from Eurostat.
Yemen	No				Priorities of water and land

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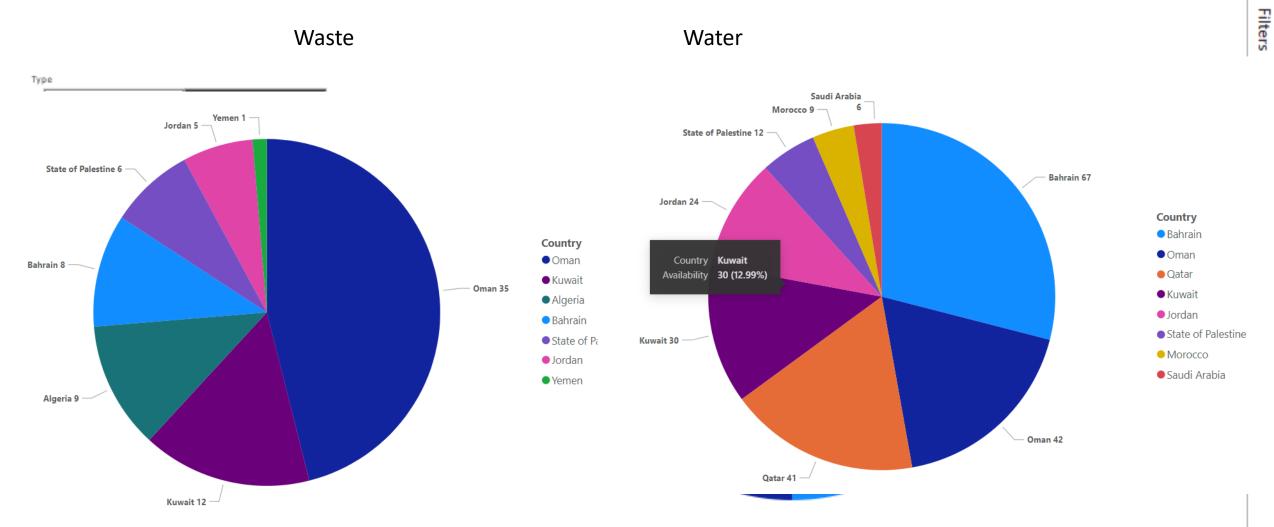
. UNSD/UNEP Data Collection of Water Waste Statistics Inform FDES 2002-2021 Prepared by Christoph Rouhana



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Waste

Water



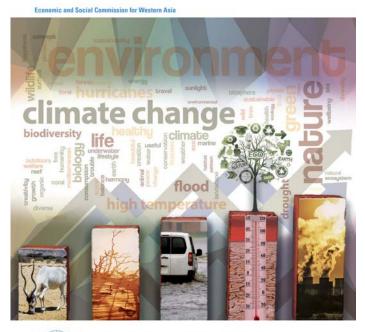






II. Climate Change-Related Statistics in the Arab Region A Proposed Set of Indicators 2017

Building on List of Indicators for the ECE and UNSD





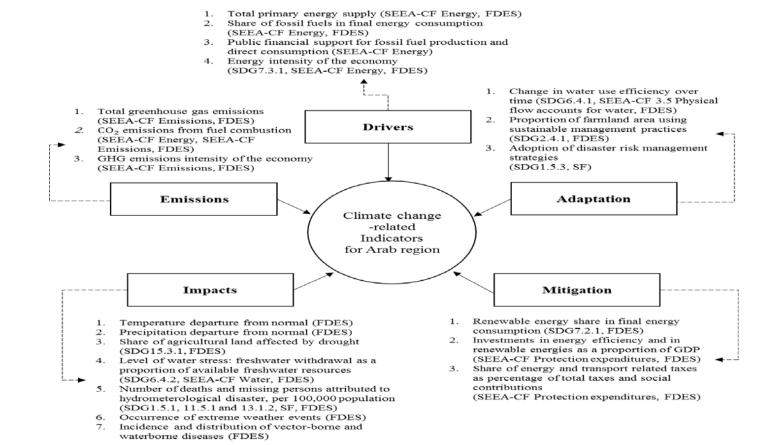
Climate Change-Related Statistics in the Arab Region

A Proposed Set of Indicators

Special Issue of the Compendium of Environment Statistics in the Arab Region 2017

E/ESCWA/SD/2017/3 In Arabic and English

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SURVEY OF ECONOMIC AND SOCIAL DEVELOPMENTS IN THE ARAB REGION 2017-2018

Capacity Building on SEEA, Water, Energy, Climate Change and DRR

UNGP LMS: All courses (officialstatistics.org)

- SEEA Central Framework (Arabic)
- SEEA Energy (Arabic)
- SEEA Water (Arabic)

Other Courses

- SEEA In Depth Training on Energy Accounting (Arabic) تدريب متعمّق حول المحاسبة في مجال الطاقة
- SIAP on-line training open to ESCWA member states: Compiling Climate Change Indicators: An Accounting Approach
- DRSF التّدريب الإلكتروني حول الإطار الإحصائي المعنى بالكوارث •





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Line Courses | 10Gs | Disasters | UN Applications | DataScience & | Governor | MF | Datas

ير هي ملاحظة لك تست يحامية في بمعل الاستبيان مرة واحدة, إذا كنت ترغي في مقادرة الموقع. الرجاء الضلط على "خطط" في تهلية الصلحة, يمكنك المودة في الاستبيان وستطل جمع اجابكك للسابقة موجودة إشريطة أن تستخدم نفس الكسيوار سعر رجاء فرسال أبه مشكلات المستمارات فنه في Secagium.org

لكا الكرماسا على تعاولكم

المحاسبة البيئية والاقتصادية التي أقرتها الحكوسة في هذا السبح

Dale I

Contribution to Global and Regional Work

ESCWA is member if the following mechanisms:

- Expert Group meetings: EGES (Includes CC)
- Intergovernmental-UN Committees: UNCEEA and London Group
- ISWG on DRS
- UNEP-LAS-ESCWA Environment-Related SDGs of Priority for the Arab Region





Complementarity with Medstat V

➤ Duration: 2022 - 2025

➤ Budget: 3 792 924 EUR

Thematic sectors and Horizontal sectors

Each WG led by a lead country and chaired by a lead coordinator

SECTOR	BUSINESS REGISTERS AND STATISTICS, CIRCULAR ECONOMY, INFORMAL ECONOMY	TRADE AND INTERNATIONA L INVESTMENTS	ENERGY, TRANSPORT AND SUSTAINABLE DEVELOPMENT	INCLUSIVNESS: GENDER AND LABOUR STATISTICS	MIGRATION SURVEY AND STATISTICS	CLIMAT E ACTION, BIODIVE RSITY
Lead country with Lead coordinator and Key experts	Palestine	Morocco	Tunisia	Morocco	Morocco	Egypt

Horizontal sectors

The Working group on Climate action and biodiversity sector for MEDSTAT V agreed a baseline questionnaire that was sent to the 9 countries to select the most relevant indicators for them in order to focus the activities on them.

In the questionnaire there were the UNSD/ESCWA indicators (16 Mitigation indicators and 41 Adaptation indicators).

The list of indicators to be worked out during the project will be discussed in the next online working group meeting.

Quality, IT and Information systems, Administrative and new sources, Communication, and HR management

III.New Technologies: Satellite Imagery and Geospatial Information Use in official Statistics on Climate Change and Environment Statistics

- Google Earth Engine Project with Egypt on Monitoring Disasters on Land Use in Egypt 2020-2022
- ESCWA Geo Statistics Lab: 2022- Current

Component 1: Environmental Conditions and Quality subcomponent 1.2, Land cover Ecosystems and Biodiversity

Topic 1.2.1 Land cover

Area of land cover By location, By type of land cover (e.g., artificial surfaces including urban and associated areas; herbaceous crops; woody crops; multiple or layered crops; grassland; tree covered areas; mangroves; shrub covered areas; shrubs and/or herbaceous vegetation, aquatic or regularly flooded; sparsely natural vegetated areas; terrestrial barren land; permanent snow and glaciers; inland water bodies; and coastal water bodies and inter-tidal areas) at national (Arab Countries) and subnational by administrative boundaries.

Topic 1.2.2: Ecosystems and biodiversity

d. Protected areas Total, terrestrial and marine (number and area)

Topic 1.2.3: Forests

1.2.3.a. Forest area: Total and By forest type (Natural, Planted Protected forest area Forest area affected byfire)

Component 1: Environmental Conditions and Quality

Sub-component 1.1: Physical Conditions

Topic 1.1.4: Soil characteristics

1.1.4.b. Soil degradation

1.1.4.b.1. Area affected by soil erosion

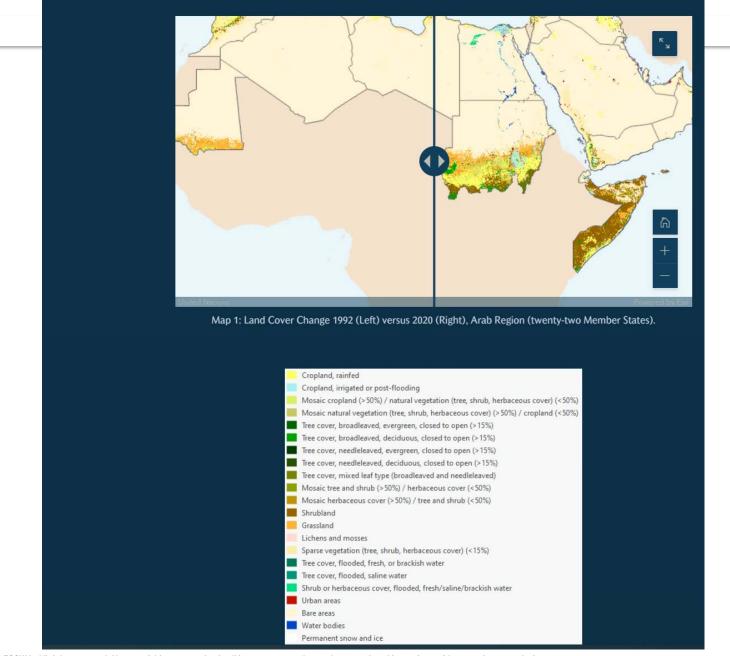
Component 5: Human Settlements and Environmental Health,

Sub-component 5.1: Human Settlements,
Topic 5.1.5: Environmental concerns specific to urban settlements
5.1.5.f. Extent of roadways



Leave No Location Behind - iSEE* The Arab World (un.org)

Leave No Location Behind - iSEE* The Arab World . . . **Leave No Location Behind - iSEE* The Arab World** *Integrating Society, Economy, and the Environment



Thank you

Economic And Social Commission For Western Asia

