"Capacity Building and Strengthening Institutional Arrangement / Data Yearbook"

Workshop: "How to produce an Environmental Data Year Book"

Proposal of Structure of Egyptian Environmental Data Yearbook

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APAT

Agency for Environmental Protection and Technical Services

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Presentation

Presentation about:

- ✓ the cooperation project “Egypt-Italy” (????)
- ✓ the aim and the importance of the Environmental Yearbook for Egypt (????)
- ✓(signed by Egyptian and Italian Ministers???)

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Introduction

In this paragraph will be described:

Short Yearbook History (How it was born etc)

General overview on the contents of Environmental Data Yearbook

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Contributions and acknowledgements

This paragraph will contain:

Italian and Egyptian Task force

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Index

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Acronyms

This paragraph will contain all acronyms and the related definitions used or cited on the Yearbook.

APAT	Agency for Environmental Protection and Technical Services
EEAA	Egyptian Environmental Affairs Agency

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Chapter 1

Authors:……..

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1 Methodological Framework

The aim of this chapter is to describe the activities led by the Egyptian and the Italian task forces in order to build the Yearbook.

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Chapter 2

Authors:……..

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2 Structure of the Yearbook

This chapter will contain:

- Reading Guidelines to the Yearbook
- Description of the contents of the paragraphs
- Description of Synoptic table
- Description of DPSIR Model
- Description of Indicator Fact sheet

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Chapter 3

Authors:……..

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3 Indicators based Environmental Condition

Environmental overview of Egypt

This paragraph will contain a summary of the country's profile and some geographic information.

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Topic Area	Indicator	DPSIR	Aim	Information Quality	Coverage		State and *Trends*
					S	T	
Air Quality	PM10	S/I	To measure the PM10 in ambient air and the share of pollution in each governorate.	★★★	N G	2001-2005	
Fresh water	COD concentration / l in River Nile	S	To describe the Nile River water quality by the COD concentration, giving the chance to take corrective action in case there are any deviation from the permissible level.	★★★	N G	1997-2006	
Biodiversity and protected areas	Protected areas	R	To value the level and temporal (time) trend of protected areas conservation	★★★	N G	1983-2006	
	Protected Areas According to IUCN Classification	S/R	To classify the Egyptian Protected Areas according to an international classification (IUCN).	★★★	N	1983-2006	
	Biodiversity in Protected Areas	S/R	To value the level and temporal (time) trend of protected areas conservation	★★★	N	2005	☹

Synoptic Table

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Topic Area	Indicator	DPSIR	Aim	Information Quality	Coverage		State and *Trends*
					S	T	
Forestry							
Solidwaste							
Landmanagment							
Noise							
Engyandtransport							

Synoptic Table

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3.1 Air Quality

Introduction

Introduction to Topic Area has to contain:

- Topic area description
- Territorial, Environmental and Political Background
- Criteria of Indicators Selection
- Further work require

Bibliography

List relevant scientific publications, manuals, web sites relating the references used or cited on the fact sheet

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PM10

Description

The PM_{10} Air Quality Indicator measures the various episodes, emissions related to various industries and traffic density. This is indicator of the air quality improvement represents the effective policy undertaken by EEAA to mitigate the pollution and coordinate with other ministries to solve various pollution sources problems, which leads to higher life quality and health related activities and finally affect the economy.

Unit of measurement

Microgram per cubic meter.

Data sources → EEAA

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Indicator update frequency

All Air Quality Data are collected on an **annual** basis.

Quality of Information

Relevance	Accuracy	Comparability over time	Comparability across
1	1	1	3

As far as "Relevance" is concerned, the indicator describes excellently the improvement of the ambient air quality. As far as "Accuracy" is concerned, the collected data are validated according to standard methodologies, which require complete revision, quality control and assurance of the data within time.

The temporal coverage is five years and the data are comparable in time as the collection methodology is always the same. The "Comparability across space" is not valid or under concern since there are many activities undertaken for each governorates and different industrial types in all correspondence areas.

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Purpose

To measure the PM_{10} in ambient air and the share of pollution in each governorate.

Policy

The overall aim Air Quality Policy is ultimately to prevent the generation of hazardous emissions in the ambient air and to establish the cleaner production ideas with industries of environmental friendly equipment, which increases productivity with higher quality. And to meet the Egyptian Environmental Law 4 / year 1994 and its related executive orders.

Assessment of state and trend

Data suggest that in Egypt the PM10 levels has decreased between 2001 and 2005. This goes within the general policy target of the Air Quality Improvement. (If bench mark targets are available -in regulation or programmes-, they should be used.)

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Comments to tables and figures

In order to guarantee the consistency of the air quality, the annual update of PM_{10} data requires a re-evaluation over time series on the basis of new available information and policy development to permit pollution sources.
On tables and graphs, the national air quality data for PM_{10} shows a remarkable decrease within time through various years.

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Table WA01_01: PM_{10} Air Quality Data 2001-2005

Station Name / Year	2001	2002	2003	2004	2005
Qualaly	138	123	214	158	96
Abbasseya	172	184	209	154	111
Tabbin	197	110	142	106	96
Fum khailg	160	127	175	172	120
IGSR - Alex univers	194	128	93	49	101
Kafr El Zayat	180	161	284	a	132
Mahalla El Kubra	190	149	72	49	144
Kaha	203	173	174	86	97

Source: EEAA

a: Data not available.

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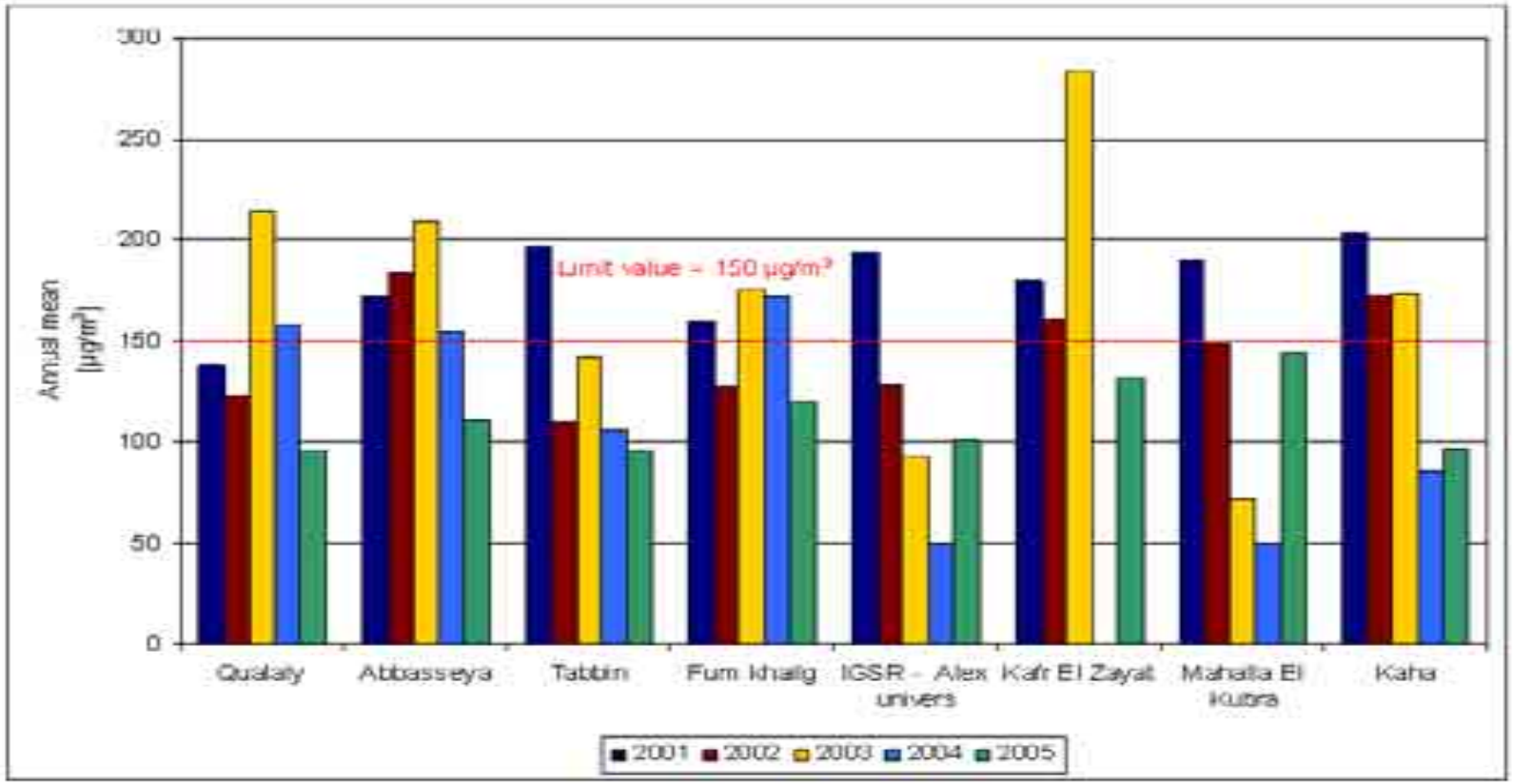

Source: EEA

Figure WA01_01: PM_{10} annual mean concentrations over years 2001-2005

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3.2 Fresh water

Introduction

Introduction to Topic Area has to contain:

- Topic area description
- Territorial, Environmental and Political Background
- Criteria of Indicators Selection
- Further work required (at data and indicator levels)

Bibliography

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Indicators fact sheet

Metadata

Data

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Annex

Questionnaries