



Sustainable Water Integrated Management and Horizon 2020 Support Mechanism
This Project is funded by the European Union

Mainstreaming Drought Risk Management

Expert Facility Activity No: EFS-PS-1

COST OF ENVIRONMENTAL DEGRADATION

WORKSHOP CONCEPT NOTE AND PROGRAM

11-12 July 2018

Ramallah - Palestine

1. Context

Within the scope of the Expert Facility (EF) work package (WP1), the EU-funded “Sustainable Water Integrated Management & Horizon 2020 - Support Mechanism (SWIM-H2020 SM)”, in cooperation with the Palestinian Water Authority (PWA), is conducting a 2-day workshop on “the cost of environmental degradation (COED)”.

The workshop takes place as indicated in the ToR under the expert facility activity EFS-PS-1 and following a discussion between the project, PWA, the Ministry of Agriculture (MoA) and the Palestinian Meteorological Department (PMD) during the first APARC meeting on 23 May 2018 in Ramallah, in which the interest for this subject was confirmed.

2. Objective

The objective of the training is to make PWA staff and other stakeholders familiar with the concept of COED and with tools that can be used for the assessment of the economic impacts (including impacts of climate change on the environmental status, primarily focusing on the water and agricultural sectors).



3. Methodology

The training bases on the experiences of the World Bank (WB) collected in a number of MENA countries during studies on COED¹. These experiences concern in particular studies carried out in Tunisia (water degradation), Jordan (air pollution), Iran (forest degradation), Morocco (land degradation), and Lebanon (demolition waste)

Guiding documentation is mentioned in the footnote below^{2,3,4,5,6}.

4. Specific Learning Objectives

Specific learning objectives of the training include:

- To enhance understanding of the WB concept of estimation of the cost of environmental degradation
- To enhance understanding how these costs can be calculated for different topics (water, air, soil, industrial pollution?)
- To understand the limitation in the use of the methodology under conditions of limited data availability
- To discuss ways forward in carrying out COED studies for Palestine.

5. Target Audience

High level water officials and relevant staff of PWA, MoA, PMD, Palestine Hydrology Group and others yet to be defined (maximum 15 participants).

6. Structure of the Workshop

The workshop is intended to be participatory and interactive, making use of professional learning tools including: knowledge infusion (presentations), structured case studies analysis,

¹ The World Bank's Cost of Environmental Degradation (COED) studies were initiated under the Mediterranean Environmental Technical Assistance Program (METAP). METAP is a partnership between countries of the Mediterranean region and multilateral donors aimed at strengthening the structure of environmental management, formulating environmental policies, and developing environmental projects in the Middle East and North Africa region

² World Bank – 2002 – Arab Republic of Egypt, Cost Assessment of Environmental Degradation

³ World Bank – 2004 - Cost of Environmental Degradation, The Case of Lebanon and

⁴ World Bank – 2009 – Hashemite Kingdom of Jordan, Country Environmental Analysis

⁵ World Bank - 2010 - The Cost of Environmental Degradation; Case Studies from the Middle East and North Africa

⁶ World Bank – 2017 – Le coût de la dégradation de l'environnement au Maroc



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interactive question & answer sessions, and facilitated experience sharing allowing the exchange of personal and international/national perspectives.

The workshop is structured in two parts:

Part 1 (Day 1): Introductory session on the WB concept of the estimation of the cost of environmental degradation; presentation of case studies on water, air, deforestation, land degradation.

Part 2 (Day 2): Discussions on how the COED for different topics could be assessed for Palestine; including hands-on training through practical exercise using a case study with fictitious data. Discussion on way forwards

The daily sessions are scheduled from 9h00am until 14h00pm.

The language of the training course will be English. Interpretation in Arabic will not be needed.

7. Resource Persons

- Gert Soer, Water Resources and Environment Expert

8. Learning Outcomes of the Workshop

- Participants will have demonstrated conceptual understanding of various options to estimate the cost of environmental degradation for namely water resources, soil degradation, air pollution and climate change.
- Participants will have the ability to judge the feasibility of conducting cost of environment studies related to the Palestinian context.

9. Workshop modalities

Participants are expected to take their notebooks to be able to search the internet for information and make simple Excel calculations during practical exercises.

10. Workshop Agenda

The draft workshop program outline is presented on the next page



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WORKSHOP PROGRAMME

First day (11 July 2018)

time	subject	remarks
10:00	Opening of the workshop and presentation of participants	
10:10	Expectations	Collection of expectations which serves as a basis for workshop evaluation
10:30	Introduction to the concept of Cost of Environmental Degradation	presentation of 20 minutes followed by a short discussion
11:00	Water Degradation: The Case of Tunisia	presentation of 20 minutes followed by a short discussion
11:30	coffee break	
12:00	Air Pollution: The Case of Jordan	presentation of 20 minutes followed by a short discussion
12:30	Deforestation and Forest Degradation: The Case of the Islamic Republic of Iran	presentation of 20 minutes followed by a short discussion
13:00		presentation of 20 minutes followed by a short discussion
13:30	General discussion and questions	Questions and Answers; general remarks and discussion
14:00	Lunch	

Second day (12 July 2018)

time	subject	remarks
10:00	Feedback on the first day	
10:10	data needs	presentation of 20 minutes followed by a short discussion
10:30	Options of COED for Palestine	presentation of 20 minutes followed by a longer guided discussion
11:30	coffee break	
12:00	Practical exercise for the discussed options of COED for Palestine	practical exercises
13:20	Options for the abatement of Environmental Degradation; cost-benefit analysis	presentation of 10 minutes followed by discussion
13:50	closure of the workshop; workshop evaluation by participants	
14:00	Lunch	