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Water and Environment Support
in the ENI Southern Neighbourhood region

Study Tour of Moroccan Experts to Jordan on Water Saving

N-W-MO-3

Deliverable T2.2: Backround Information Note and Program

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WATER AND ENVIRONMENT SUPPORT IN THE ENI SOUTHERN NEIGHBOURHOOD REGION

The "Water and Environment Support (WES) in the ENI Neighborhood South Region" project is a regional technical support project funded by the European Neighbourhood Instrument (ENI South). WES aims to protect the natural ressources in the Mediterranean context and to improve the management of scarce water resources in the region. WES mainly aims to solve the problems linked to the pollution prevention and the rational use of water.

WES builds on previous similar regional projects funded by the European Union (Horizon 2020 CB/MEP, SWIM SM, SWIM-H2020 SM) and strives to create a supportive environment and increase capacity all stakeholders in the partner countries (PCs).

The WES Project Countries are Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Libya, Palestine, Syria and Tunisia. However, in order to ensure the coherence and effectiveness of EU funding or to promote regional cooperation, the eligibility of specific actions can be extended to neighboring countries in the Southern Neighborhood region.

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ABBREVIATIONS[1]

CB/MEP	Capacity Building/Mediterranean Environment Programme (Programme de Renforcement des Capacités/Environnement Méditerranéen)
CE	Commission Européenne
ENF	Eau non facturée
GDE	Gestion de la Demande en Eau
IEV	l'Instrument Européen de Voisinage
PP	Pays Partenaires
SIG	Système d'Information Géographique
SWIM	Sustainable Water Integrated Management (Gestion Durable Intégrée de l'Eau)
SWIM-Horizon2020 SM	Sustainable Water Integrated Management – Support Mechanism Project (Gestion Durable Intégrée de l'Eau – Projet de Mécanisme d'Appui)
UE	l'Union Européenne
UNEP-MAP	United Nations Environment Program - Mediterranean Action Plan (Programme des Nations Unies pour l'environnement - Plan d'action pour la Méditerranée)
UpM	Union pour la Méditerranée
WES	Water & Environment Support (Appui à l'eau et l'environnement) – Projet financé par l'Union Européenne

[1] corresponding translation from French of abbreviations applied by the project as applicable

1 INTRODUCTION TO THE PROJECT

The "Water and Environment Support (WES) in the ENI Southern Neighbourhood Region" project is a regional technical support project funded by the European Neighborhood Instrument (ENI South). WES aims to protect the natural resources in the Mediterranean context and to improve the management of scarce water resources in the region. WES mainly aims to solve the problems linked to pollution prevention and rational use of water.

WES builds on previous similar regional projects funded by the European Union (Horizon 2020 CB/MEP, SWIM I and II, SWIM-Horizon 2020 SM) and strives to create a supportive environment and increase the capacity of all stakeholders in the partner countries (PCs). The WES Partner Countries are Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Libya, Palestine, Syria, and Tunisia. However, to ensure the coherence and effectiveness of EU funding or to promote regional cooperation, the eligibility of specific actions can be extended to neighbouring countries in the Southern Neighborhood region.

2 GENERAL CONTEXT OF THE ACTIVITY

In the context of high and increasing water demands in Morocco - particularly under the effect of climate change and economic and social development - and the limited natural water resources, its variability and uneven distribution across the country, the efficient use of water has become one of the major national priorities of Morocco. Accordingly, the National Water Plan of Morocco which estimated the overall annual water demand at 18.6 BCM by 2050 (including 2.6 BCM for drinking, tourist and industrial water supply) aims for water savings of 400 MCM per year by 2050. To achieve this target, measures to improve the efficiency of distribution networks (i.e., upstream of the customers' water meters), need to be designed and implemented, coupled with water savings through Water Demand Management (WDM) downstream of the water meters.

Recognizing the importance of WDM throughout the water supply chain (both upstream and downstream of the customers' water meters), and in order to compare and benefit from relevant measures introduced in Jordan, the Moroccan Ministry of Equipment and Water (MEW) through the Directorate of Water Research and Planning (DRPE), requested the organisation of a field visit of Moroccan experts/officials to Jordan in order to be informed about the Jordanian experience in WDM, which dates back to the end of last century with the involvement of many donors. Significant projects on non-revenue water reduction and management have been funded while USAID has funded - inter alia - projects aiming at institutionalizing WDM across organizations and sectors in the country.

The field visit will be closely linked to selected key findings of the assessment that was made within the framework of a predecessor activity "supporting the management of water demand linked to water scarcity" implemented by WES between the years 2020 and 2023. The activity addressed the management of water demand in Morocco, focusing on specific water uses throughout the supply chain: domestic, public and tourist uses. As part of the said activity an evaluation of the state of play of WDM in Morocco, as well as an analytical evaluation documenting the technical, regulatory,

institutional and financial aspects linked to the application of WDM in Morocco were carried out. Several recommendations derived from the evaluation including those of technical, regulatory, institutional and financial nature similar to measures and mechanisms which are in place in Jordan.

3 OBJECTIVES OF THE FIELD VISIT

The general objectives of the field visit is to support Morocco in its ongoing efforts towards improving Water Demand Management in the country, by providing a high-level field visit focusing on WDM and conservation of water resources. The aim is to bring together key-executives from the Moroccan Directorate of Water Research and Planning at the MEW plus River basin agencies, as well as operators, with experts and fellow executives/officials of selected public institutions/authorities involved in the implementation of WDM and water conservation (WC) programs in Jordan.

The specific objectives of the field visit are:

a. Promote South-to-South exchange and experience sharing between practitioners from the two countries.
b. Introduce the Jordanian experience and efforts in Water Conservation and in the reduction of Water Demand, its management, and in the Reuse of Treated Wastewater is, including:
   I. tools and techniques in place that are effective and relevant to Morocco,
   II. institutional, financial and regulatory measures that have been adopted in Jordan in favour of promoting and implementing WDM/WC including Treated Wastewater Reuse,
   III. concrete examples of utilizing alternative water resources focusing on reuse of treated waster,
   IV. Implementation challenges and lessons learnt.

4 PARTICIPATION

Representatives of the following stakeholders are invited to participate in the activity, with due reflection of the thematic areas as set out by the objectives:

1. Ministry of Equipment and Water (Directorate of Water Research and Planning (DRPE) and Directorate of Technical Affairs and Relation with Profession (DATRP))
2. Hydraulic Basins' Agencies
3. Operators

5 FACILITATORS, RESOURCE PERSONS & EXPERTS

The delivery of this activity will be faciliated and moderated by the **following WES experts**.

- Dr. Andreas H. LÜCK - Senior Expert Water Resources' Management (WES)
- Eng. Ehab AL-QURAN – Local NRW Expert (WES)
- Ms. Suzan S.TAHA (Eng.) – Water Key Expert (WES)

Additional resource persons will be also available during the field visit, reflecting the range of thematic areas to be addressed, as stipulated by the objectives:

Ministry of Water and Irrigation (MWI)

- Eng. Ahmad BALI – WES Focal Point and Head of Planning of Water Demand Department

The USAID funded Jordan Water Efficiency and Conservation Activity (WEC)

- Ms. Rania Anwar AL ZOUBI (Eng.), Deputy Chief of Party -
- Eng. Adel ALOBEIAAT, Policy and Land Use Planning Specialist

The USAID funded Jordan Water Governance Activity (WGA)

- Dr Amer Jabarin, Water Conservation/Demand Management Team Leader

Jordan Chamber of Industry (JCI)

- Eng. Maen Ali Ayasrah – Head of Energy and Environmental Sustainability Unit (EESU),

Aqaba Water Company (AWC)

- Eng. Malek Al-Rawashdeh – H.E. General Manager of Aqaba Water Company
- Eng. Ahmad Abu Alsoud
- Mr. Amer Al Madahin
- Eng. Mostafa Aldardsawi
- Eng. Saed Allimoon
- Eng. Yasser Alhanaqta

As Samra Wastewater Treatment Plant (WWTP)

- Ms Pauline Duquesne (Eng.)- General Manager O&M -
- Eng. Morad Ahmad - Production Manager - As Samra WWTP
- Eng. Kamal Karajeh - HSE Manager - As Samra WWTP

6 PROGRAM

For the provisional program, see next pages

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