



“IWRM at the river basin scale, with a focus on capacity building and implementation aspects”

Expert Facility Activity No: EFS-LB-1

WORKSHOP CONCEPT NOTE AND PROGRAM

Training Workshop with the competent authorities on the process of designing measures and policy targets at the local/decentralized level

15 March 2019

Beirut - Lebanon

1. Context

Within the scope of the EFS-LB-1: “IWRM at the river basin scale, with a focus on capacity building and implementation aspects”, the EU-funded project “Sustainable Water Integrated Management & Horizon 2020 - Support Mechanism (SWIM-H2020 SM)”, in cooperation with the Ministry of Energy and Water (MoEW) is conducting a one day training workshop with stakeholders from competent authorities on the process of designing measures and policy targets at the local/decentralized level. The works carried out in the Nahr Elkelb pilot river basin will be used as an example.

2. Introduction

The SWIM-H2020 SM specific activity EFS-LB-1: “IWRM at the river basin scale, with a focus on capacity building and implementation aspects” aims to develop a bottom-up approach for designing and implementing Programmes of Measures (PoMs) at the River Basin scale, based on the assessment of water availability and demand.

The Nahr Elkelb river basin has been selected as a pilot for that purpose. The work involved the development of a physical-based semi distributed water resources management model of the Nahr Elkelb using the WEAP21 software. This model has been used to conduct a policy relevant assessment of the water resources and water balance in the basin (looking at both water demand sectors and supply sources), and to further simulate and test a bundle of measures (water savings, increase supply) with the purpose of selecting the most cost-effective ones, and subsequently defining relevant policy targets (on the basis of specific criteria) for water conservation, water reuse, etc. The measures to be simulated have been selected in agreement with relevant stakeholders through a participatory approach, while the measures cost-benefit functions have been subject to a design process. The final goal of this pilot study was to communicate the policy targets, which have been defined through a consultation workshop with stakeholders, upstream to the central decision-making level (i.e.



the Ministry) with the purpose of being integrated into development frameworks and action plans related to the Water Law (and other sectors). This bottom-up process in developing PoMs in Nahr Elkelb River Basin will act as a pilot application, to be replicated in other River Basins, so that systematic information on needs and remedies is communicated from the local level to the central level, and this information can be adopted and updated in view of future changing conditions (socio-economic, climatic, etc.) to better inform the national water policy.

3. Scope and Objectives

The general objective of this training workshop is to bring together stakeholders from competent authorities who are involved in water allocation, management and planning at the decentralized level (e.g. river basin level, local level, etc.) and train them in the process of designing measures and policy targets at the local level. The focus will be on measures which can reduce the problem of unmet demand, yet the generic methodology can also be applied in other cases (e.g. measures for water quality). Unmet demand is the result of the imbalance between water demand and water availability, when demand exceeds the availability of water resources. To mitigate this problem a variety of measures (technical, institutional, economic, etc.) can be implemented, opting to either reduce demand (i.e. water saving measures), or increase supply (i.e. wastewater reuse, rainwater harvesting, etc.), and/or both, each one having relevant costs and benefits. A bundle of such measures will be presented to the workshop participants, along with the process of selecting candidate measures, assessing their cost-effectiveness functions, simulating the measures prior to implementation, and defining relevant policy targets and a Programme of Measures. The overall goal is to increase the understanding of the participants with regards to the importance of ex-ante assessment and public consultation when evaluating measures, and to increase their capacity in designing Programmes of Measures (including ex-ante evaluation) and defining policy targets based on a stepwise participatory process.

The draft Agenda is provided below.

4. Target Audience

The following audience is targeted:

- Authorities involved in the water allocation, water distribution/ supply and water management at the decentralized level (river basin level, local level).
- Authorities involved in the decision-making and planning of measures at the local and central level.

Based on the above, the following participants are suggested by the SWIM National Focal Point:



- Ministry of Energy and Water/General Directorate of Hydraulic and Electrical Resources (MoEW/ GDHER), Head of services of: Planning, Groundwater, Irrigation, Environment.
- Council of Development and Reconstruction (CDR)
- Regional Water and Wastewater Establishments: Beirut Mount-Lebanon Water Establishment (EEBML), North Lebanon, Bekaa, South Lebanon
- Water Authorities
- Litani River Basin Authority
- Municipality representatives, local authorities, local committees and NGOs involved in water management and planning at the local level
- Authorities and donors that are in charge of funding water investments
- People from the authorities who will eventually form/contribute to the RBOs

The target number of participants in the workshop is around 25 persons so that the training and practical exercises can be adequately managed. English-Arab interpretation will be provided.

5. Methodology and Structure of the Workshop

The workshop is intended to be interactive, making use of the knowledge and expertise of the participants including: knowledge infusion (presentations), structured interactive discussion, practical exercises, and facilitated experience sharing allowing the exchange of local and national perspectives.

The workshop is structured in two parts:

Part 1:

- Presentations of the methodological steps for designing Programmes of Measures and defining policy targets
- Overview of the example of the Nahr Elkelb pilot river basin

Part 2:

- Interactive discussion on the process of defining targets and measures (applicability, constraints, acceptability, legal and/or economic barriers, implementability, etc.)

Part 3:

- Practical exercises

Relevant Input Questionnaires (IQ) will be distributed and collected by the Consultant during the workshop to facilitate the participatory process of the workshop.

Electronic copies of the presentations will be prepared by LDK and provided to all participants.

The language of the training course will be English. Interpretation in Arabic will be provided.



6. Resource Persons

- Dr. Maggie Kossida, SWIM-H2020 international non-key expert on Programmes of Measures (Maggie@ldksa.gr)
- Mrs. Mona Fakh, Director of Water, Ministry of Energy and Water (MoEW), SWIM Focal Point (monafakh@hotmail.com)

7. Outcomes of the Workshop

- Participants will have an understanding of the importance of ex-ante assessment and public consultation when evaluating measures
- Participants will gain valuable knowledge on the process of designing and selecting measures based on cost-effectiveness functions and ex-ante assessment
- Participants will gain valuable knowledge on how to define policy-relevant targets and Programmes of Measures based on a stepwise participatory process.

8. Workshop Agenda

The draft workshop program outline is given below.

Agenda: SWIM-H2020 SM Training Workshop with the competent authorities on the process of designing measures and policy targets at the local/decentralized level

Thursday, March 15th, 2019

09:00 - 09:30	Registration and Coffee
09:30 - 10:00	Welcome & Objectives of the workshop - <i>Mona Fakh, Director of Water, Ministry of Energy and Water (MoEW), SWIM Focal Point</i> - <i>Tour de Table (all participants)</i>
10:00 - 11:00	Training Session: Methods and tools for assessing water budgets at the river basin scale - <i>Dr. Maggie Kossida, SWIM-H2020 non-key expert on Programmes of Measures</i>
11:00 - 11:30	Participatory exercise (<i>all participants</i>)
11:30 - 12:00	Coffee Break
12:00 - 12:30	Reporting back from the participatory exercise and discussion
12:30 - 13:15	Training Session: Process for designing demand management measures and ex-ante assessing their effectiveness



	- <i>Dr. Maggie Kossida, SWIM-H2020 non-key expert on Programmes of Measures</i>
13:15 - 14:15	Interactive Discussion on the design of measures (constraints, key issues, etc.) (<i>all participants</i>)
14:15 - 15:15	Participatory exercise (defining policy targets and Programme of Measures (PoM)) (<i>all participants</i>)
15:15 - 15:30	Wrap-up, conclusions and next steps Workshop evaluation
15:30 - 16:30	Lunch and Networking