



AGENDA

Regional Training on Technical, Regulatory and Cultural Aspects of Treated Wastewater Reuse (REG-8)

23-24 July 2018

Day 1: 23 July 2018

Time	Description	Speaker	Moderator /rapporteur
09:00-09:10	Welcome Remarks and workshop framing	Suzan Taha	
09:10-09:30	Pre-training test	Brahim Souidi	
Module 1. Wastewater reuse (WWR) in climate deficit countries: opportunities and constraints			
09:30-11:00	1.1 Wastewater reuse: Illustrated added values, and mapping of technical, institutional, regulatory, financial, and cultural constraints in the southern and eastern countries of the Mediterranean	Nicolas Jeanmaire	
11:00-11:20	Coffee Break		
11:20-12:00	SWIM-DEMO (Palestine): Overview with focus on technical aspects of the demo projects Questions & Answers		
12:00-12:40	1.2 Direct reuse and indirect reuse: Advantages and disadvantages	Nicolas Jeanmaire	
12:40-13:40	Open discussions & questions and answers in plenary sessions (10 minutes) Break-out sessions: ✓ Group 1: Technical and financial aspects of TWWR (30 minutes) ✓ Group 2: Direct vs Indirect reuse of TW (30 minutes) Restitution of thematic group work in plenary session (20 minutes)		Rifaat Abdel Wahaab Group 1. Nicolas Jeanine / Brahim Souidi . Group 2 : Rifaat Abdel Wahaab/ Brahim Souidi
13:40-14:40	Lunch Break		
Module 2. Strengthening and updating of knowledge on new developments of wastewater reuse guidelines (their limits and conditions of their application)			
14:40-15:40	2.1. Guidelines and standards for wastewater reuse: WHO Guideline, FAO Guidelines, others 2.2. Assessing and mitigating of wastewater reuse-related health risks: Multi-barriers Approach 2.3. Showcase from PCs(Egypt)	Rifaat Abdel Wahaab	
15:40-16:10	Discussions: exchange around the guidelines	Rifaat Abdel Wahaab	Marta Ballesteros
16:10-16:30	Coffee Break		



16:30-17:00	Introduction to the legislative and regulatory framework needed for the implementation of WHO standards: EU initiatives Questions & Answers	Marta Ballesteros	Rifaat Abdel Wahaab
17:00-17:30	Recapitulation of the results of the first day and reminder of the content of the program of the second day	Brahim Soudi	Suzan Taha/ Rifaat Abdel Wahaab

Day 2: 24 July 2018

Time	Description	Speaker	Moderator /rapporteur
09:00-10:00	Module 2 (Continued) 2.5 Feasibility of the Multi-Barrier Approach (AMB) in South and East Mediterranean Countries 2.6 Harmonization between multiple-barrier and WW treatment levels / case studies: Moroccan harmonization initiative under development and transposition of the multi-barriers approach in Jordan 2.7 New concepts: Water Reuse Safety Planning and Water Reuse Safety Plan: according to 'Water Reuse Safety Plan' developed within DEMOWARE project funded under the FP7	Brahim Soudi	
10:00-10:30	2.8 Lack of a coherent legislative framework for wastewater reuse within the EU 2.9 Regulatory initiatives in the area of wastewater reuse in the EU	Marta Ballesteros	
10:30-11:00	Group discussions (Two groups) Group 1: Guidelines and standards for WWR in the PCs: with focus on the parameters related to health risks: <ul style="list-style-type: none"> - Which norms for which uses (agriculture, groundwater recharge, landscape, etc.)? - Why are standards different across the project countries? Is it relevant? - What are the constraints related to strict standards? Need for additional treatment? Cost of monitoring of the TWW quality, cultural aspects, health aspects, etc. - Restrictive Reuse and Non-Restrictive Reuse: What Impacts on Promoting Reuse? Group 2: <ul style="list-style-type: none"> - What is the level of integration of the multi-barrier approach in the current WWR projects in the PCs? - What are the challenges & barriers encountered in transposing this approach? What current initiatives on this aspect? 		Group 1: Brahim Soudi Group 2: Rifaat Abdel Wahaab
11:00-11:20	Coffee Break		
11:20-11:45	Group discussions (continued)		Group 1: Brahim Soudi Group 2: Rifaat Abdel Wahaab
11:45-12:15	Restitution of thematic group work in plenary session		Marta Ballesteros/ Brahim Soudi



Module 3 “Governance of wastewater reuse in South and East Mediterranean Countries”			
12:15-12:45	3.1 Integration of wastewater reuse in water resources planning (basin river level, ...) and national sanitation plans: need and approach	Brahim Soudi	
12:45-13:00	3.2 Case of EU: Integration of wastewater re-use in water resources planning in the context of the Water Framework Directive	Marta Ballesteros	
13:00-14:00	Lunch Break		
14:00-15:00	3.3 Wastewater reuse governance: Institutions responsible for managing & implementing reuse programs/projects (discuss the cases of represented countries), completion and application of the regulations (of all types of reuse including groundwater recharge) 3.4 Wastewater pricing and willingness of users to pay 3.5 TWWWR funding: CAPEX including Tertiary treatment, OPEX, Monitoring cost, ... 3.6 Adapted Conventions, Models of public-private partnerships (PPP) – Key clauses	Brahim Soudi	
15:00-15:30	Group discussions (Two groups) Group 1: Governance of the treated wastewater reuse sector: gaps and ways to improve in PCs Group 2: What are the solutions for the constraints related to the financing of wastewater reuse projects (CAPEX & OPEX)? What are the tools to encourage investments and involvement of private sector in wastewater reuse projects?		Group 1: Nicolas Jeanmaire/ Marta Ballesteros Group 2: Rifaat Abdel Wahaab/Brahim Soudi
15:30-16:00	Restitution of thematic group work in plenary session		Brahim Soudi / Marta Ballesteros
16:00-16:20	Coffee Break		
16:20-17:20	Plenary: the peer-to-peer process P2P Learning Approach: <ul style="list-style-type: none"> - Concept, Aim and Rationale - Learning Cycle – Stages & Processes - Process Execution - Evaluating Progress & Outcomes Topic, experiences and outlook (Open discussion/PCs demand driven) <ul style="list-style-type: none"> - P2P Objectives & Outcomes - Focus Groups - Receiving Expertise, Offering Expertise 	Rifaat Abdel Wahaab	Moderated by Suzan Taha
17:20-17:50	- Closing of Training and Post training test and assessment and workshop evaluation - Distribution of the certificates	Brahim Soudi & Suzan Taha	