

# SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future

## SWIM-H2020 SM Regional Training on Technical, Regulatory and Cultural Aspects of Treated Wastewater Reuse (REG-8)

Presented by:  
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**Peer to Peer Session**

**23-24 July 2018, Athens, Greece**

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# Presentation Outline

## P2P Learning Approach:

- Concept, Aim and Rationale
- Learning Cycle – Stages & Processes
- P2P Process Within the Context of SWIM-H2020 SM

## P2P Concept – General Overview

- P2P concept is *a learning approach* which aims develop a tool to manage challenges through mutual exchange of knowledge among peers facing similar challenges
- This *learning approach* is facilitated by bringing individuals within a country or from two or more countries to become “**Peers**” who exchange knowledge and experience; feeding the learning back to their organizations, and work towards its application in the organization

## P2P Learning aims

### P2P Learning generally aims to :

- ❑ Provide opportunities to individuals within a country or from two or more countries together as “peers,” to exchange knowledge and experience leading to mutual learning on how to deal with the most difficult challenges.
- ❑ ‘Peers’ with knowledge and information that can once again feed the learning back to their organizations and thus work towards its widespread application in the organization or in the broader country context

# P2P Learning Cycle – Stages & Processes

## **P2P includes four stages as follows:**

- 1) The process cycle;
- 2) The actors involved;
- 3) The facilitation and sustained process and system required to implement the learning within an identified average time frame; and
- 4) A mechanism for measuring progress and outcomes.

# Learning Cycle – Stages & Processes

**The entire cycle can be divided into four phases of activities.**

## **1-Foundational**

- Developing a clear objective
- Selecting peer countries and peer partners, and carrying out initial exchanges.

## **2.Development**

- Includes: sustained exchanges knowledges & learning by individuals and groups “Peers”.

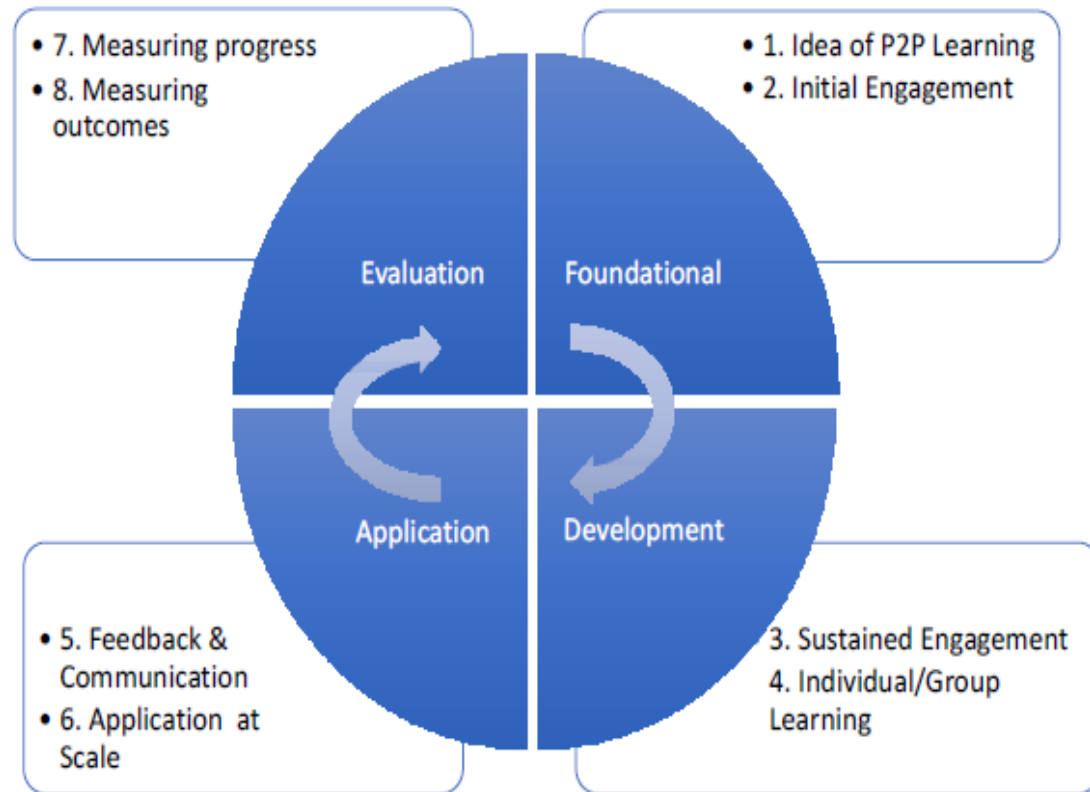
## **3- Application**

- Learning back to their organiz. and applying it at a larger scale.

## **4-Evaluation**

- Measurement of the process, progress, and outcomes.

## P2P Learning Cycle – Stages and Processes





# **The P2P Process Within the Context of SWIM- H2020 SM**

# P2P Process Within the Context of SWIM-H2020 SM

## Specific Objectives

- ☐ Share expertise and guidance among Peers on a specific issue/ topic
- ☐ Encourage & support south-to-south (also north-to-south) cooperation
- ☐ Build the **cornerstones for long-term relations and exchanges** instead of one time ad-hoc exchange.

## Duration

June - October 2018



## Progress to Date

- ☐ **Peers and recipient countries have been identified**
- ☐ **Countries:**
  - ✓ Offering country: Jordan
  - ✓ Recipient countries: Algeria, Egypt and Morocco
- ☐ **Coach Selected (Dr. Rifaat Abdel Wahab)**
- ☐ **Activity started in June 2018.**
- ☐ **Issues/challenges identified**

## Objectives of the session

- ☐ Present the issues raised by the countries
- ☐ Agree on the proposed topics and select from them taking also into account Jordan's expertise
- ☐ Agree on the expected Outcomes
- ☐ Define the process and tools for exchange
- ☐ Explain the role of the peers
- ☐ Explain the role of the coach
- ☐ Agree on Milestones, timeframes and deadlines

# Issues Raised Per each Recipient Peer

Algeria (DZ)	Morocco (MO)	Egypt (EG)
<p>The practice of WWR in agriculture well developed &amp; regulated by laws &amp; standards to produce suitable water for irrigation and to reduce pollution and the negative impacts of the discharge of untreated wastewater to the Mediterranean Sea.</p> <p><b>DZ-1:</b> Regulations governing the use of treated wastewater for uses <u>other than agriculture</u> are not yet developed.</p> <p><b>DZ-2:</b> The success of wastewater reuse projects are very much linked to the reduction of environmental &amp; health risk</p>	<p><b>MO-1:</b> Non-definition of a clear and precise responsibilities of government departments, agencies concerned and users in terms of mobilization, management of costs and monitoring the quality of treated wastewater;</p> <p><b>MO-2:</b> Existing <b>restrictive wastewater reuse standards</b> in irrigation (of 2002), compared with WHO guidelines;</p> <p><b>MO-3:</b> Lack of standards for the reuse of wastewater for certain uses, in particular the <u>watering of golf courses, groundwater recharge and industrial re-use</u>.</p>	<p><b>EG-1:</b> Decentralized approaches to wastewater treatment and management: applicability in developing countries</p> <p><b>EG-2:</b> <b>Groundwater recharge</b> with reclaimed municipal wastewater: <b>health and regulatory considerations</b></p> <p><b>EG-3:</b> Standards regarding <b>biological and chemical loads of wastewater &amp; salinity</b></p> <p><b>EG-4:</b> Regulations for best practices for <b>wastewater treatment and Irrigation techniques</b> as well as regarding <b>crops</b> and areas to be irrigated.</p> <p><b>EG-5:</b> High salinity concentration in wastewater. The most important criteria for evaluation of suitability of treated wastewater for irrigation use.</p>

# Proposed themes and grouping of specific topics

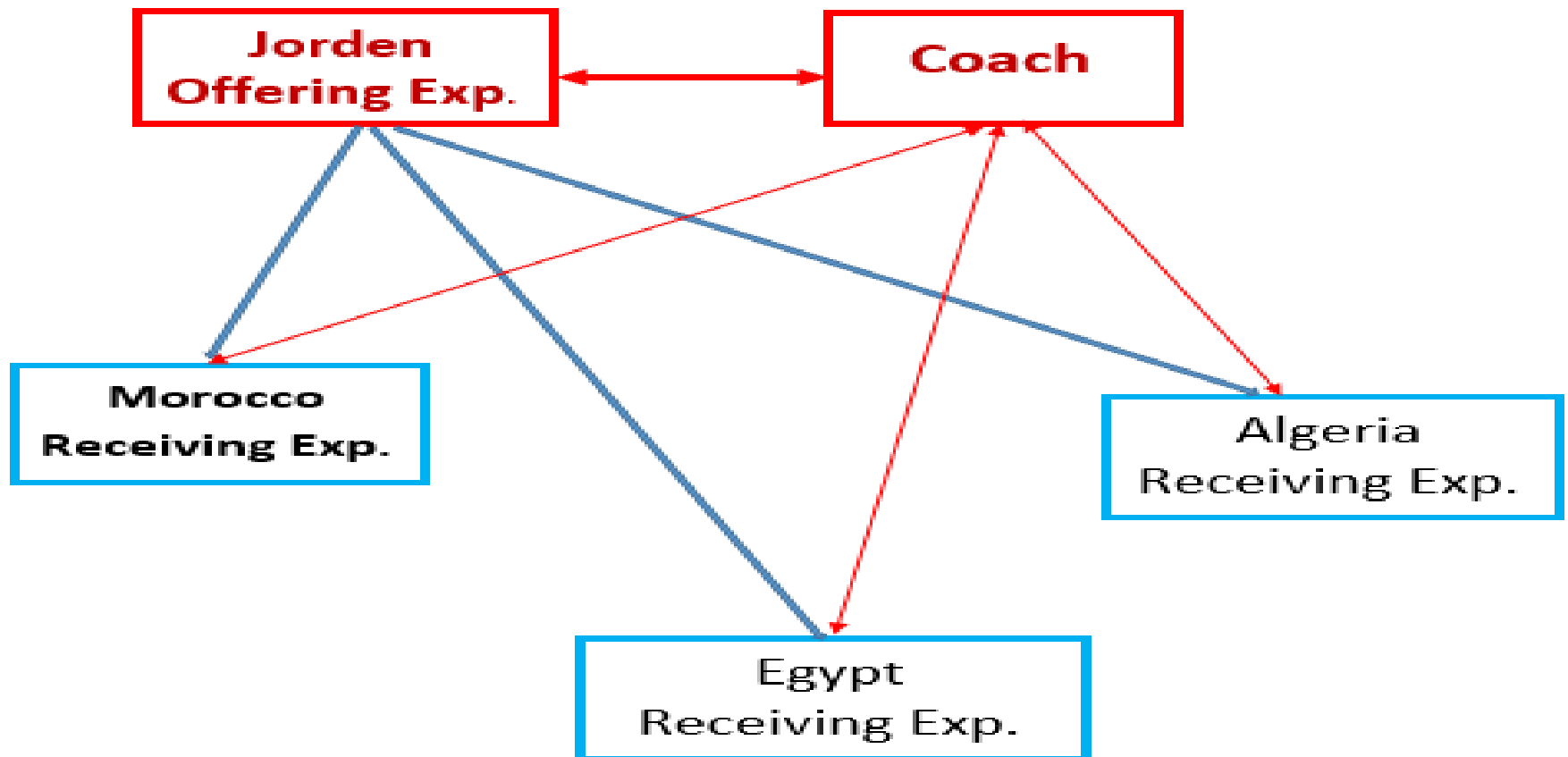
Proposed Theme	Applicable for	Priority	Jordan's Interest
<b>1. Jordan's experience in standards &amp; Regulation focusing on crops irrigated with TWW.</b>	MO-2		
<b>2. Appropriate WWT technologies for reuse that removes physico-chemical &amp; biological Parameters (including standards)</b>	DZ-2, EG-3 & EG-4	Not applicable	
<b>3. The institutional framework/set-up for wastewater reuse.</b>	MO-1	3 – Dealt with in EF-MO-2	
<b>4. Standards for WWR in Jordan, for other purposes especially for</b> <ul style="list-style-type: none"> <li>- <i>golf courses,</i></li> <li>- <i>groundwater recharge</i></li> <li>- <i>industrial use</i></li> </ul>	DZ-1 MO-3 2 DZ-1, EG-2, MO-3 1 DZ-1, MO-3 2		
<b>5. Criteria for evaluation of suitability of treated wastewater for irrigation use</b>	EG-5	FAO Reference can be provided	
<b>6. Applicability of decentralized approaches to wastewater treatment and management in developing countries</b>	EG-1	N.A	

# The Process/Methodology

- ❑ Communication by Email
- ❑ Viber / WhatsApp if needed
- ❑ Frequency of Exchange: A total of 3 exchanges per receiving peer

# The Process/Methodology

## P2P-The Process/Methodology



## Proposed Outputs

- ☐ Peer to Peer report/document reviewing all processes within this activity and summarizing all questions and answers via e-mail, phone calls or skype conferences.
- ☐ Appropriate means to conduct the peer to peer sessions? For discussion..
- ☐ The coach of this session will keep minutes of every conversation among the peers (phone calls or skype conferences). Questions via e-mails will be copied to the Final Document as they appear on the e-mail browser.
- ☐ An important section of the final document will be authored by the peers who will evaluate the peer response and his/her level of satisfaction with this process.

# The role of the Peer

- Communicate frequently, among the peers,
- Communicate on mutually agreed intervals with the P2P Coach, to whom they report progress and ask him for input, information, advice, etc.
- Inform the other relevant persons in their countries (eventually forming an ad hoc national committee on the issue) and try to apply and test, to the extent possible, proposals/solutions applied elsewhere.
- Provide to their colleagues from other countries every practical support, documents explanations, etc., for better sharing good practices on the issue of the P2P.
- Make provision for availability, presence and active participation in all P2P related activities in order to keep the continuity and coherence of the process.



# The role of the Coach

- ❑ Design the scope of the P2P activity and prepare a short information note on the expected outputs/ achievements from the P2P,
- ❑ Circulate the info note to the Peers, and on the planned interactions – steps for the procedure, incl. a time schedule for implementation:
  - setting up frequency of interactions (up to 3 exchanges by email between the Peers and the PCs),
  - setting up deadlines to Peers for their exchanges,
  - setting schedule for milestones and outputs;
- ❑ Summarizing communications and exchanges of the P2P – deducting conclusions from each exchange;
- ❑ Provide review of peers' outputs.
- ❑ Give feedback on questions from Peers and even PCs on the specific issues, within the set timeframes;
- ❑ Facilitating decisions on the next steps after each exchange;
- ❑ P2P Reporting – Problems encountered.

# Implementation Schedule and Milestones

Task	June 2018	July 2018	Aug 2018	Sep 2018	Oct 2018
Peer to Peer mobilisation &					
Collection of specific questions from the peers					
Production of short information note with planned interactions					
Circulation of information note among the peers					
Bilateral interaction of the peers					
Face-to-face Meeting (dedicated session as part of REG-8)		▲			
Reporting on the outcomes of the P2P activities					

# SWIM-H2020 SM

## For further information

### Website

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### LinkedIn Page

[SWIM-H2020 SM LinkedIn](#)

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Thank you for your attention.

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