



**Horizon 2020 Capacity Building/Mediterranean Environment Programme**

**“Public Private Partnership (PPP) in Water Infrastructure”**

**Regional training: 19-21 December 2011, Amman, Jordan**

**Introduction - The Horizon 2020 Initiative**

The “**Horizon 2020 Initiative**” aims to de-pollute the Mediterranean by the year 2020 by tackling the sources of pollution that account for around 80% of the overall pollution of the Mediterranean Sea: municipal waste, urban wastewater and industrial pollution.

Horizon 2020 was endorsed during the Environment Ministerial Conference held in Cairo in November 2006 and is one of the key initiatives run under the Union for the Mediterranean (UfM). The H2020 2007-2013 Road-Map focuses on the following four pillars:

- Identification of projects to reduce the most significant sources of pollution.
- Identification of capacity-building measures to help neighbouring countries creates national environmental administrations that are able to develop and police environmental laws.
- Use of the EC’s research budget to develop greater knowledge of environmental issues relevant to the Mediterranean and ensure this is shared.
- Develop indicators to monitor the success of Horizon 2020.

H2020 is made up of the following components: monitoring, reporting and research (RMR); investment; and capacity building. Under each component, a project is currently being run. H2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) is the project aiming at enhancing the capacities to address pollution problems at institutional and society level. In addition, through the H2020 MEP, a Hot Spot Investment Programme (HSIP) for the West Balkans and Turkey - as complementary to the Mediterranean HSIP (MeHSIP) – has been elaborated. The other two projects currently being carried out under the investment and RMR H2020 components are respectively the MeHSIP and the Mediterranean Shared Environmental Information System (Med SEIS).

**The framework - Horizon 2020 Capacity Building/Mediterranean Environment Programme**

Obviously pollution is expected to be substantially reduced through the installation and proper functioning of major infrastructures (e.g. sewage treatment plants), installing pollution reduction technologies in industries, etc. However, this won’t work if institutional and individual capacities are not in place. This is what the H2020 CB/MEP aims to enhance by operating within the existing and developing policy instruments, and supporting the implementation of the commitments undertaken in the framework of the ENP as well as other regional agreements e.g. the Barcelona Convention, while cooperating, coordinating and synergising with all relevant (EU and other) programmes.

**Aims and objectives**

The main objective of this project is to support the implementation of Horizon 2020 with a special focus on environmental mainstreaming. It aims to address the following problems:

- low political priority given to the environment;
- insufficient integration of environment in the different sector policies (agriculture, tourism, transport or energy) and lack of inclusion of the different actors from local to international level;
- Insufficient capacities and resources at institutional and civil society level.



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ACR+



ACWUA



More specifically, the purpose is to support the implementation of the Horizon 2020 Initiative Road Map and Work Plan through capacity building and awareness raising activities, and to promote integration of environment issues in other sectors policies.

**Partners**

This project is funded by the European Union and implemented by the National and Kapodistrian University of Athens (NKUA) in consortium with: Mediterranean Action Plan of the United Nations Environment Programme and its Regional Activity Centres and Programmes (UNEP/MAP and its RACs), National Waste Management Agency (ANGEd)/ Regional Solid Waste Exchange of Information and Expertise Network in Mashreq and Maghreb Countries (SWEEPNet), Umweltbundesamt GmbH – Austrian Environment Agency (AEA), Lebanese Ministry of Energy and Water - the General Directorate of Hydraulic and Electrical Resources (LMoEW), Hellenic Ministry for Environment, Energy and Climate Change, UNESCO-IHE Institute for Water Education (UNESCO-IHE), Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE), Arab Network for Environment and Development (RAED), WWF Mediterranean Programme Office (WWF MedPOL), Association of Cities and Regions for Recycling and Sustainable Resource Management (ACR+), Arab Countries Water Utilities Association (ACWUA).

**Partner Countries**

The Partner countries are: Albania, Algeria, Bosnia- Herzegovina, Croatia, Egypt, Israel, Jordan, Lebanon, Montenegro, Morocco, occupied Palestinian territory, Tunisia, Turkey, Syria.

**Course Description - “Public Private Partnership (PPP) in Water infrastructure”**

**Introduction to the training course**

This regional training course is organized within the framework of the ENPI Horizon 2020 CB/MEP project. It is organized by the Arab Countries Water Utilities Association ACWUA and is a collaborative effort of two ENPI funded projects, i.e. H2020 CB/MEP and the Sustainable Integrated Water management (SWIM) project. Its duration is 3 days and the language of the training course will be English and Arabic. Up to around 30 participants are expected to attend from relevant public entities of all the partner countries (see directly above).

**Target group**

The capacity building activity is of an intermediate/advanced level and is targeted to:

- Mid-career water managers and decision-makers as well as project managers and finance planners from water authorities, finance and planning ministries, water and sewerage utilities and associations, and other competent bodies.
- University staff in fields related to water infrastructure finance.
- Representatives of corporatized entities and companies investing in water infrastructure.

**Learning objective**

Many countries and utilities face different problems and impediments when implementing infrastructure projects. This necessitates the inclusion of innovative ways in implementation methods in order to avoid and overcome such obstacles. One of the major problems is the availability of finance. Private Sector Participation (PSP), in addition to directly addressing financial issues, provides other advantages related to the technology, risk allocation or sharing, timing, and management. The magnitude of each of these factors depends on the scheme submitted for implementation. The main objective of the course is thus to familiarize the participants with the concept of PPP for different projects, identification of risks and risk sharing methods as well as their implications. The course will consist of four main parts: (1) Background and type of PSPs and selection methodology, (2) Enabling environment and risk management and allocation (3) Financial considerations and modelling, and (4) Case studies.





### *Methodology and Structure*

The general structure of the course will be:

- Lectures followed by plenary discussions
- Workshops/Assessment of enabling environment and related PPP selection
- Case studies
- Presentations by participants

### *Resources for participants*

Resources that are intended to be provided to participants are:

- Powerpoint presentations
- Reference materials

### *Learning outcomes of the training course*

On completion of this training course, the participants will be able to:

- Understand the concept, forms and needs for involving private sector in infrastructure development
- Objectives to be achieved through PPP
- Understand risk management and risk sharing concepts
- Make a proper choice of PPP
- Understand the financial concept and implications. Know about cases where projects were implemented with PPP
- Deal with PPP in the context of Integrated Water Resource Management

The course will allow sufficient time for clarifications/questions/discussions of emerging topics.

### *A preliminary overview of the course is given below:*

The planned modules are the following:

- Introduction to PPP types and principles
- Introduction to OECD checklist for public action
- Assessment of the enabling environment
- Contractual structure of PPP
- Role of different parties involved in projects implemented under PPP
- Golden rules of success
- Financial obligations, guarantees and assurance schemes
- Post construction monitoring and a “cook book” for all involved parties
- Case studies and applied financial models



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Course schedule/ curriculum			
Day 1: 19 Dec	Description	Duration	Method/Speaker or Trainer
Session 1	<ul style="list-style-type: none"> <li>Welcome - opening words</li> <li>Introduction of speakers and participants</li> <li>Overview of H2020 CB/MEP</li> <li>Brief on SWIM Project</li> <li>Expectations of trainees</li> </ul>	9.00-10.00	HE Khaldon Khashma, ACWUA Secretary General Omar Abu Eid, EU Delegation Environment & Energy Focal Point Koussai Quteishat, H2020 CB/MEP Thematic Expert, ACWUA Susan Taha, SWIM-SM Expert
Session 2	<ul style="list-style-type: none"> <li>Introduction to PPP Concept, forms and need for PSP</li> </ul>	10.00-10.45	Presentation, Sarra Touzi (SWIM-SM/GWP-Med)
		Coffee	
Session 3	<ul style="list-style-type: none"> <li>Differences between conventional and PPP ways of implementing projects</li> <li>Discussion</li> </ul>	11.00-11.30	Presentation, Koussai Quteishat
	<ul style="list-style-type: none"> <li>Risks and risk sharing</li> </ul>	11.30-13.00	Presentation, Mohammad Najjar
		Lunch	
Session 4	<ul style="list-style-type: none"> <li>Role of different parties involved in projects implemented under PPP</li> <li>Contractual framework</li> </ul>	14.00-15.30	Presentations, Mohammad Najjar
		Coffee	
Session 5	<ul style="list-style-type: none"> <li>Financial modeling and inputs</li> </ul>	15.45-17.00	Presentation and Exercises, Mohammad Najjar, Koussai Quteishat

Day 2: 20 Dec	Description	Duration	Method/Speaker or Trainer
Session 1	<ul style="list-style-type: none"> <li>Financial obligations, guarantees and assurance schemes</li> <li>Post construction monitoring and 'cook book' for all involved parties</li> </ul>	9.00-10.30	Presentation, Mohammad Najjar
		Coffee	
Session 2	<ul style="list-style-type: none"> <li>OECD Check list for Public Action and related questionnaire for assessing the enabling environment</li> <li>Case studies : Results from Egypt and Lebanon</li> </ul>	10.45-12.30	Presentations, Sarra Touzi and Participants
		Lunch	
Session 3	<ul style="list-style-type: none"> <li>Exercise based on the OECD check list and the related questionnaire results</li> <li>Presentations by participants</li> </ul>	13.30-15.30	Workshop, Mohammad Najjar, Koussai Quteishat, Sarra Touzi
		Coffee	
Session 4	<ul style="list-style-type: none"> <li>Discussions</li> </ul>	15.30-17.00	Workshop continued

Day 3: 21 Dec	Description	Duration	Method/Speaker or Trainer
Session 1	<ul style="list-style-type: none"> <li>Example and Case Study (As-Samra WWTP)</li> </ul>	9.00-10.30	Presentation, Mohammad Najjar
		Coffee	
Session 2	<ul style="list-style-type: none"> <li>Example and Case Study (As-Samra WWTP) - continued with financial model</li> <li>Discussion</li> </ul>	10.45-12.30	Presentation and Discussion, Mohammad Najjar
		Lunch	
Session 3	<ul style="list-style-type: none"> <li>Environmental, Institutional and Regulatory Aspects</li> <li>Discussion</li> </ul>	13.30-15.00	Presentation and Discussion, Sarra Touzi
		Coffee	
Session 4	<ul style="list-style-type: none"> <li>Course Evaluation</li> <li>Closing Remarks</li> <li>Certificates Award</li> <li>Departure</li> </ul>	15.15-16.30	Koussai Quteishat Khaldon Khashman Omar AbuEid

