



Sustainable Water Integrated Management - Support Mechanism (SWIM- SM)

Project funded by the European Union

**REPORT ON SWIM-SM  
SUB-REGIONAL WORKSHOP ON  
THE INTERLINKAGES BETWEEN IWRM AND ICZM**

**30- OCTOBER TO 1 NOVEMBER 2012**

**ALGIERS-ALGERIA**

**(WP2 Activity 2.2.1 b)**



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**List of Abbreviations & Acronyms**

<b>EC</b>	European Commission
<b>H2020 CB/MEP</b>	Horizon 2020 Capacity Building/Mediterranean Environment Programme
<b>PCs</b>	Partner Countries
<b>SWIM-SM</b>	Sustainable Water Integrated Management – Support Mechanism (Project funded by the EC)
<b>WP</b>	Work Package





## 1 Background, Objectives

### 1.1 INTRODUCTION

The Sustainable Water Integrated Management – Support Mechanism (SWIM-SM) is an EC-funded Regional Technical Support Project that includes the following Partner Countries (PCs): Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, the occupied Palestinian territory, Libya, Syria\* and Tunisia. The project aims to promote actively the extensive dissemination of sustainable water management policies and practices in the region given the context of increasing water scarcity, combined pressure on water resources from a wide range of users and desertification processes, in connection with climate change.

SWIM-SM overall objective is to promote sustainable water management policies and practices in the region given the context of increasing water scarcity, combined pressure on water resources from a wide range of users and desertification processes, in connection with climate change.

The H2020 CB/MEP project is an EC funded project that includes the following countries: Albania, Algeria, Bosnia, Herzegovina, Croatia, Egypt, Israel, Jordan, Lebanon, [Libya], Montenegro, Morocco, occupied Palestinian territory, Tunisia, Turkey, [Syria].

The main objective of the H2020 CB/MEP 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, etc.) and lack of inclusion of the different actors from local to international level;
- Insufficient capacities and resources at institutional and civil society level.

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.

SWIM-SM and the Capacity Building Component of the Horizon 2020 initiative (CB/MEP) are partnering for the organization of a sub-regional workshop on the inter-linkages between Integrated Water Resources Management (IWRM) and Integrated Coastal Zone Management (ICZM). Both projects aim to develop the capacity of stakeholders in the partner countries in the integrate management of natural resources with a focus on water and the coastal zones.

Within the scope of Work Package 2 (WP2) – "Capacity building activities" Activity 2.2.1.b and in connection to Work Package 1 (WP1) – "Water governance and Mainstreaming", the SWIM-SM Project is performing several tasks with the aim of developing mechanisms and building capacity of SWIM-PCs on sustainable water resources management policies and practices.

In this connection, SWIM-SM has convened a training workshop entitled "Interlinkages between IWRM and ICZM" in Algiers, Algeria from the 30<sup>th</sup> of October to the 1<sup>st</sup> of November 2012.

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\* Officially under seize of activities since 28 September 2011



## 1.2 OBJECTIVES

The aim of this workshop was to develop the capacity of stakeholders in the partner countries in integrated management of natural resources with a focus on water and coastal resources. It aimed to demonstrate the connectedness of resources specially river basins and coastal areas. The training focused on the concepts, planning principles and tools of IWRM and ICZM and how these two concepts are interlinked.

The expected outcomes of the workshop were the following:

- An improved understanding of the concept of integration in the management of natural resources
- A better grasp of the inter-linkages between water resources management and coastal zone management
- Demonstration of some IWRM-ICZM inter-linkage practices in the region.

## 2 Methodology and Approach

The participants to this workshop were mainly middle level national water, environment, agriculture and coastal managers. Members from NGOs and the EC delegation representative in Algeria were also present. A highly dynamic, interactive, facilitated and participatory approach was adopted, including the following:

- Power point presentations by the SWIM-SM and H2020 and SWIM-SM Non-Key Experts
- Presentations of an Algerian case study
- Round table to discuss integrated management of resources
- Working groups to interact on and discuss main issues related to integrated management namely: building the vision, governance, and tools and methodologies
- Site visit to a water pumping station and a wastewater treatment plant with presentations by the station management related to IWRM and ICZM

Copies of the presentations and supporting documents were distributed to participants on memory sticks. All material is available on the SWIM-SM and H2020 CB/MEP respective websites.

## 3 Topics addressed during the course

The workshop covered the theory and practice of Integrated Management of resources with a focus on IWRM and ICZM through presentations, discussions, case studies of relevant and successful initiatives, a round table, and a site visit.

**Day One:** Covered the theoretical background of integrated management of natural resources

**Session One:** Consisted of opening presentations on the SWIM-SM and H2020-CB/MEP projects and welcome notes by the EC delegation in Algeria, SWIM-SM, and H2020.

**Session Two:** Prof. Michael Scoullos opened the workshop with a presentation on integration and integrating the integrated, which set the theoretical and philosophical backgrounds for integrated management of natural resources as a whole.

**Session Three:** was an overview of regional frameworks for IWRM and ICZM such as the

- Mediterranean Strategy for Sustainable Development (MSSD)
- The ICZM Protocol of the Barcelona Convention
- The EU Water Framework Directive
- The Marine Framework Strategy



- The Mediterranean Water Strategy of the UfM (still a draft)
- The Med EU Water Initiative (MED-EUWI)

**Session Four:** Moving from the general framework of Integrated Management to the specifics related to water resources Ms. Anthi Brouma presented the concept of IWRM planning, principles and tools. She also included IWRM plans in her intervention.

**Session Five:** Dr. Brian Shipman presented the principles, methods and plans of ICZM.

**Session Six:** Dr. Samir Grimmes, the Algerian expert in integrated natural resources management, presented the Algerian experience in Coastal Zone and Integrated Water Resources Management.

**Session Seven:** Was moved from day 1 to day 2 due to time shortage.

**Discussions and questions:** The questions and discussion by the audience on day one, focused mainly on the tools and methods used for integration, on getting the stakeholders around one table to agree on integrated planning. Questions on conflict resolution, multi-actor planning, stakeholder analysis, and planning guidelines were asked by the participants. Other questions revolved around barriers to the signature of the ICZM protocol, and loopholes in planning. Interventions by countries focused on existing legal frameworks, current projects dealing with integrated natural resources management, the need to consider tourism in the planning and the need for action plans to unify the planning processes in the countries.

**Day Two.** The focus of day Two was to take the theoretical knowledge acquired in Day One and use it in a practical exercise.

**Session One:** The roundtable planned for Day One was moved to the beginning of Day Two. The Integrated Management Framework was presented as a concept and as application through case studies and success stories from Lake Bizerte in Tunisia, Buna-Bojana River in Albania and Montenegro, Rhodos Island in Greece and the Drin River Basin. Discussions between experts and the audience took place after the presentations.

**Session Two, Three:** The exercise was presented in this session. A virtual typical coastal Mediterranean city called Limani with a population of about 100,000 people and some industry, agriculture, tourism, a river, sensitive wetlands etc. was the scene for the exercise. The participants were divided in three mixed groups. The experts were split into three breakout rooms to each facilitate one issue of importance to integrated management of natural resources specifically: The building of a vision, facilitated by Prof Scoullos, Governance and Institutional Arrangements facilitated by Dr. Shipman and Ms. Brouma and finally tools and methodologies facilitated by Mr. Rizk. Every hour the groups rotated to a different break out room. Each group went through all the exercise issues.

During each session, the groups debated and discussed the topic at hand using Limani as the reference town for building the integrated natural resources plan and using a set of questions related to the planning of resources in Limani. The discussions and findings from each session were finally reported on in plenary by a selected rapporteur.

Discussions and debates were intensive and each group had valuable suggestions regarding each topic. Experiences were shared among countries.

**The Building the Vision group** focused on the creation of the vision for the plan. Participants commented on the process of building and sustaining a vision and the key ingredients that this process requires.

The provided replies to the theme were as follows:

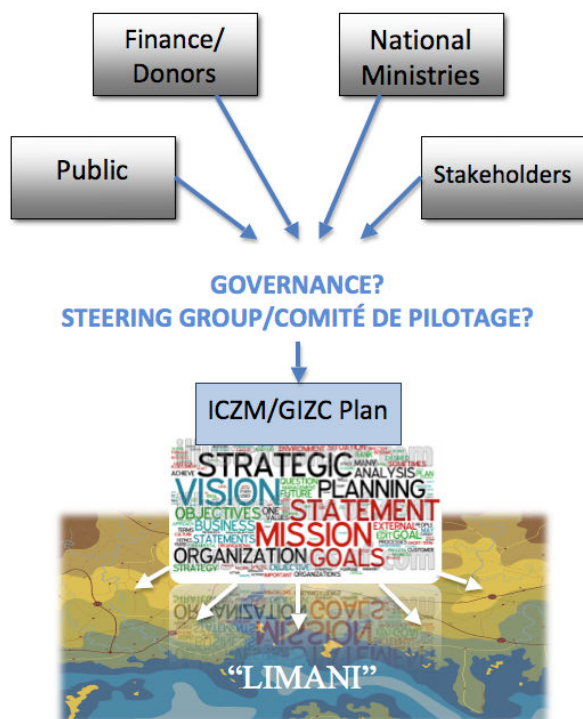


1. Vision is a collective dream
2. Developing the vision should be driven by somebody who is powerful, respected and knowledgeable
3. Determinants of success:
  - a. The one leading the process
  - b. Stakeholder mapping
4. Indicators that can facilitate the monitoring the building and implementation of the vision would need to target the:
  - a. process
  - b. output
  - c. impact

**The key question for the Governance and Institutional Arrangements groups** related to the governance of the ICZM/IWRM planning process. In particular discussion focussed on the question; “Who should be represented on the Steering Group” of the plan for the hypothetical coastal zone of “Limani”.

As an aid to discussion, the schematic below was presented to the delegates at the workshops – describing simplistic lines of governance. The questions being:

- Who should be represented at the governance level between the external bodies in the schematic and the planning process for this specific coastal zone of Limani, and what would be their responsibilities?
- Technical and logistical support required?
- Risks and Obstacles to the process?
- Potential time scale of the plan and its implementation?







The responses from the different groups were as follows:

1. Three levels of committees: Steering, Technical and Support
2. Representation should include high level officials and be comprehensively representative of stakeholders
3. There are risks to the process such as access to data and information
4. Lack of common language
5. Accountable and clear leadership
6. Conflicts of interest

The time scale for the plan would be 5-6 years.

The tools and methodologies groups answered four questions related to data collection, plan synthesis, communicating data, info and findings with the stakeholders, and setting up the methodologies. Responses focused on different types of data needed for planning in Limani with two main conclusions being the need to collect data on needs basis and to adapt the communication language based on the interlocutor. The participants discussed several national structures that influence methodologies for data collection and synthesis.

Session Four: restitution in plenary of the working group findings.

## 4 Workshop Evaluation

### 4.1 RESULTS FROM EVALUATION FORMS

<i>Organizational/Administrative</i>	Scores <sup>1</sup>					Total responses (out of participants)	Average
	1	2	3	4	5		
<b>Good Handling of Invitations, Visa Support, Information Sharing and Smoothing Obstacles</b>	0	0	1	8	5	14	4.30
<b>Smooth flow of programme, efficient handling of emerging needs and attentiveness to participants concerns</b>	0	0	0	8	9	17	4.53
<b>Efficient Logistics: Accommodation, Transportation, Tools and Equipment</b>	0	0	1	7	9	17	4.47

<sup>1</sup>Scale:

1 = "Strongly disagree," or the lowest, most negative impression

3 = "Neither agree nor disagree," or an adequate impression

5 = "strongly agree," or the highest, most positive impression



Sub-Total	0	0	5	27	28		
<i>Planning for the Workshop</i>							
<b>Efficient and Effective Communication of Objectives, &amp; Expectations from Participants</b>	0	0	2	10	6	18	4.22
<b>Efficient and Effective Follow-up of Preparations and Progress towards the Event</b>	0	0	0	9	7	17	4.30
<b>Clarity, Coverage and sufficiency of concepts, Objectives, anticipated outputs and outcomes</b>	0	0	2	7	7	16	4.31
<b>Procedural issues: Selection and Design of Methodology, Programme/Daily Agenda and Work Rules</b>	0	0	1	10	4	16	4.06
<b>Presentations Correspond and contribute to the Planned Objectives and Conducive to Enhanced shared Understanding and participation of Relevant Issues</b>	0	0	1	7	9	17	4.50
Sub-Total	0	0	6	43	33		
<i>Executing the Workshop:</i>							
<b>Efficient and Effective Performance and Interaction by Participants</b>	0	0	1	8	8	17	4.41
<b>Efficient and Effective Facilitation</b>	0	0	0	9	7	16	4.45
<b>Efficient and Effective Cooperation and Team Spirit</b>	0	0	1	7	9	17	4.50
<b>Acceptable Level of Achievement of Planned Objectives</b>	0	0	1	8	8	17	4.41
<b>Positive Overall Impression On the Personal Level of Participants</b>	0	0	0	4	9	13	4.70
Sub-Total	0	0	2	36	41		
Grand Total	0	0	13	106	102		



#### 4.2 RECOMMENDATIONS OF TRAINEES

Liked

- Subject of the workshop
- Speakers (several times)
- Group work (several times)
- Methodology (several times)
- Organization (several times)
- Field visit
- The efforts made by the speakers for the participants to grasp the concepts

Needs improvement

- Workshop allocated time too short and intensive (requested several times)
- Creation of a network
- More on the same topic
- Logistics from the airport

## 5 Workshop agenda

### COURSE SCHEDULE/ CURRICULUM

DAY 1	Description	Duration	Method/Speaker or Trainer
<i>October 30, 2012</i>			
<b>Session 1</b>	<ul style="list-style-type: none"> <li>• Welcome and opening remarks                             <ul style="list-style-type: none"> <li>• Capacity Building Program of H2020</li> <li>• SWIM-SM program</li> </ul> </li> <li>• Presentation of course program</li> </ul> <p>Introduction of trainers and participants, and their expectations from the training</p>	09:00-09:45	<i>Charbel Rizk &amp; Prof. Michael Scoullous</i>
<b>Session 2</b>	The philosophy of integration: Integrating the integrated plans	09:45-10:45	<i>Prof Michael Scoullous</i>
<b>Session 3</b>	<p>The regional frameworks for IWRM/ICZM:</p> <ul style="list-style-type: none"> <li>• Mediterranean Strategy for Sustainable Development (MSSD)</li> </ul>	10:45-11:15	<i>Prof. Michael Scoullous</i>



- The ICZM Protocol of the Barcelona Convention
  - The EU Water Framework Directive
  - The Marine Framework Strategy
- Reference to the Mediterranean Water Strategy of the Union for the Mediterranean and the Med EU Water Initiative

*Coffee (30min)*

**Session 4**

- Integrated Water Resources Management: main proprietary concepts, planning principles and tools
- IWRM plans

11:45-12:30

*Anthi Brouma*

**Session 5**

- Integrated Coastal Zone Management: main proprietary concepts, planning principles and tools (short overview)
- ICZM plans

12:30-13:30

*Brian Shipman*

*Lunch (1 hour)*

**Session 6**

Lessons learnt from the implementation of the IWRM and ICZM approach: case study from Algeria

14:30-16:00

*Samir Grimes (Algeria)*

(coffee to be served inside the room)

**Session 7**

- ICZM-IWRM Linkages inherent to coastal management and in the integrated and sustainable management of water Operational links between IWRM and ICZM, i.e.: data collection/combination, administrative governance scheme, stakeholders' selection

16:00-17:00

*Roundtable interventions by Prof. Michael Scoullas, Charbel Rizk, Brian Shipman & Anthi Brouma*

*DAY 2  
October 31, 2012*

**Description**

**Duration**

**Method/Speaker or Trainer**

**Session 1**

Presentation of the Integrated Methodological Framework between IWRM and ICZM & its pilot application on selected cases

09:00-10:00

*Prof. Michael Scoullas & Brian Shipman*



<b>Session 2</b>	<i>Exercise</i>  During the exercise the participants are split into teams and asked to work on processes that link IWRM and ICZM. Each of the teams will be assisted by a facilitator.  During the last part of the exercise the groups will be asked to present their work. A facilitated discussion to follow will aim to bring up the operational linkages between the ICZM and IWRM plans.	10:00-13:00  (coffee to be served inside the room)	<i>Group work with the assistance of facilitators</i>
<b>Lunch (1 hour)</b>			
<b>Session 3</b>	Exercise – continued	14:00-16:00	<i>Group work with the assistance of facilitators</i>
	Coffee break	16:00-16:30	
<b>Session 4</b>	Presentation of exercise’s results	16:30-17:30	<i>Groups presenting</i>
<b>Session 5</b>	Wrap-up and final remarks	17:30-18:00	<i>Facilitators</i>
	Training Evaluation and certificates award	18:00-18:45	Charbel Rizk &  Prof Michael Scoullas
<b>DAY 3</b> <i>Nov. 1, 2012</i>	Field-visit to a water pumping station and a wastewater treatment plant and distribution of training certificates		



## 6 List of Participants

	Name	Surname	Country	Affiliation	Organisation	E-mail
1	Mr Abdelaziz	EL HOUIJAJI	Morocco	Administrateur	Ministère de l'Energie, des Mines, de l'Eau et de l'Environnement	elhoujjaji@water.gov.ma, elhoujjaji2@yahoo.fr
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