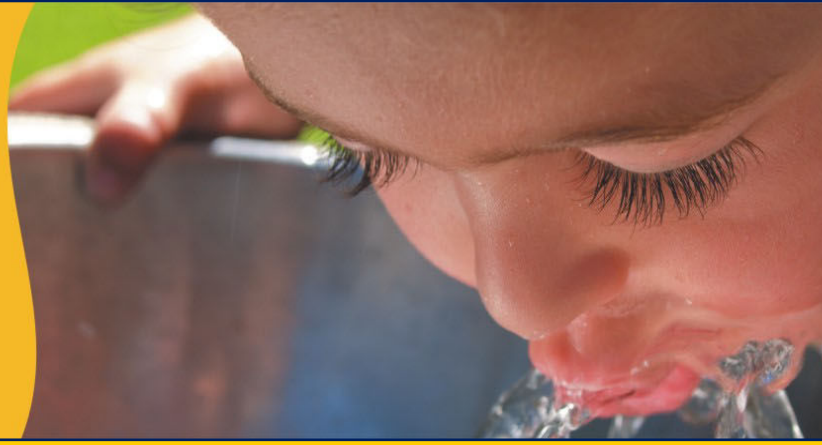


Sustainable Water Integrated Management:
Support Mechanism (SWIM-SM)

Mécanisme de Soutien
à la Gestion Intégrée Durable de l'Eau

آلية دعم الإدارة المستدامة والمتكاملة للمياه

Project funded by the European Union
Projet financé par la Commission Européenne
مشروع ممول من الاتحاد الأوروبي



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

Contract Reference ENPI/2010/255-560

*Workplan for the 2nd Year of Project
Implementation
Sept. 2012 – Aug. 2013*

Presented at the SWIM-SM Steering Committee Meeting
17-18 October 2012
Brussels



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Project Title: Sustainable Water Integrated Management – Support Mechanism, (SWIM-SM)
Contract Ref. Number: ENPI/2010/255-560
Report Title: Workplan for 2nd year of project implementation
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Coverage page

Project Title:	Sustainable Water Integrated Management – Support Mechanism (SWIM-SM)
Contract Ref. Number:	ENPI/2010/255-560
Country:	Algeria, Egypt, Israel, Jordan, Lebanon, Libya ¹ , Morocco, occupied Palestinian territory, Syria ² , Tunisia
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Date: 9 October 2012

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The content of this report is the sole responsibility of the consultant and can in no way be taken to reflect the views of the European Union

¹ added as beneficiary country on 27 March 2012

² In May 2011, the EU suspended bilateral cooperation programmes between the EU and the Syrian government under the MEDA/European Neighbourhood Policy Instrument (ENPI). The European Commission has also suspended the participation of Syrian authorities in its regional programmes.



LIST OF ABBREVIATIONS

CDG	Core Desalination Group
COMPSUD	Circle of Mediterranean Parliamentarians for Sustainable Development
DM	Demonstration Projects
EC	European Commission
EU	European Union
ELOs	Environmental Liaison Officers
EMPA / PA of UfM	Euro-Mediterranean Parliamentary Assembly / Parliamentary Assembly of the Union for the Mediterranean
ENPI	European Neighbourhood and Partnership Instrument
Fps	Focal Points
GEF	Global Environment Facility
H2020 CB/MEP	Horizon 2020 Capacity Building /Mediterranean Environment Programme
H2020 MeHSIP-PPIF	Horizon 2020 Mediterranean Hot Spot Investment Programme – Project Preparation and Implementation Facility
IAM Bari	Mediterranean Agronomic Institute of Bari
ICZM	Integrated Coastal Zone Management
IMT	Irrigation Management Transfer
IWRM	Integrated Water Resources Management
KEs	Key Experts
M&E	Monitoring & Evaluation
MED EUWI	Mediterranean Component of the EU Water Initiative
MP	Member of Parliament
NCWR	Non Conventional Water Resources
NFPs	National Focal Points
NKEs	Non-Key Experts
oPt	occupied Palestinian territory
PIM	Participatory Irrigation Management
PCs	Partner Countries
PSC	Project Steering Committee
SEIS	Shared Environmental Information System
SWIM-SM	Sustainable Water Integrated Management – Support Mechanism
SWM	Strategy for Water in the Mediterranean
TA	Technical Assistance
ToR	Terms of Reference
ToT	Training of Trainers
WFD	Water Framework Directive
WP(s)	Work Package(s)
WUAs	Water Users Associations



1 PROJECT SYNOPSIS

Project Title	Sustainable Water Integrated Management – Support Mechanism (SWIM-SM)
Contract Ref. Number:	ENPI/2010/255-560
Country	Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, occupied Palestinian territory, Syria, Tunisia
Overall objective	To actively promote the extensive dissemination of sustainable water management policies and practices in 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
Specific objectives	<ul style="list-style-type: none">• Raise awareness among the decision-makers and stakeholders in the Partner Countries (PCs) on the imminent threats on water resources, the need to implement more sustainable water consumption models and the adoption of possible solutions to meet the existing and forthcoming challenges;• Support PCs in designing and implementing sustainable water management policies at the national and the local levels, in liaison with existing international initiatives in the area concerned;• Contribute to ensuring institutional reinforcement and the development of the necessary planning and management skills, in line with Horizon 2020 objectives, and facilitate know how transfer.
Input	Technical assistance inputs include <ul style="list-style-type: none">• Team Leader : 880 man-days• Key Expert 2 – Water Expert : 880 man-days• Key Expert 3 – Environmental Expert : 880 man-days• Key Expert 4 – Communications & Consultation Expert: 600 man-days• Non Key Experts: 1480 man-days• Backstopping by Consortium Partners
Planned Outcomes	<ol style="list-style-type: none">1. Supporting water governance by promoting the integration of sustainable water resources management considerations into national development policies and strategies as appropriate (agriculture, industry, tourism, etc);2. Contributing to empowering water-related institutions and increasing stakeholders' capacities. SWIM-SM target groups include but are not limited to relevant ministries, such as agriculture, environment, industry, tourism and trade, water utilities, River Basin Organisations, municipalities, water users associations, universities, regional and national research centres;3. Assisting with the development and/or implementation of sustainable water management plans, based on the integrated water resources management (IWRM) concept adopted for the EU Water Framework Directive, involving inter-sector dialogue as well as collaboration



between stakeholders and incorporating water saving targets, in a number of rural areas and municipalities of the PCs;

4. Increasing awareness of decision-makers, stakeholders, and the general public of the water value and of the continuous depletion of water resources as a consequence of water wastage, climate change, water pollution, demographic pressure and modification of life-styles, particularly in urban areas;
5. Contributing to the identification and dissemination of good practices and state-of-art technologies at national and regional levels;
6. Assisting the EC in ensuring effective and smooth interaction between the two SWIM programme components (SWIM-Support Mechanism and SWIM-Demonstration Mechanism) in order to ensure a concerted overview of activities implemented, create a forum for dialogue and discussion among all the partners involved with a view to sustaining general coherence for the programme over its duration, and finding solutions to common challenges.

Project start date 13 December 2010

Project duration 48 months – ending 12 December 2014



2 WORKPLAN FOR 2ND YEAR OF SWIM-SM IMPLEMENTATION

This is the Workplan for the 2nd year of implementation of the SWIM-SM covering the period 1 September 2012 to 31 August 2013. It constitutes background, together with the Progress Report for the 1st year of implementation, for the 2nd Programme Steering Committee (PSC) Meeting, 17-18 October 2012, Brussels.

A brief background introduction to activities suggested for the next implementation period (September 2012-August 2013) is provided below. The draft Workplan for this period follows next.

2.1 BRIEF INTRODUCTION TO THE DRAFT SWIM-SM WORK PLAN 2013

Discussions with government officials during the implementation of activities indicated that the project would be better suited to work on synergies among processes and activities and to focus more on certain burning issues affecting the region. This need to concentrate on fewer issues of high priority, significant impacts and more added value to PCs with higher visibility/outreach, emerged also from the previous reporting period, where KEs implemented a vast array of activities, touching upon a wide range of demands received in order to meet the beneficiary countries' needs and expectations.

In addition, a main request from the beneficiaries participating in the various events organised by the project, was to find the way to provide study visits and training on priority water issues for mid-level water and environment professionals from SWIM-SM participating countries in leading European water training centres and institutions. The main objective of the study visits and trainings would be to expose young water professionals to the best water resources management in Europe, to witness the EU water directive in practice, to provide the opportunity for the replication of best practices and to establish a North-South Med dialogue among water practitioners. The added value of these suggestions to the impact of the Project would be assessed with the EC manager.

In an effort to accommodate the priority emerging issues affecting the region and the requests received, the project team had a two days brainstorming session during its second management meeting (20-21/7/2012) on the new issues that need to be tackled in addition to the activities planned under the WPs and the pillars or by replacing a limited number of them. The brainstorming discussed among the SWIM-SM project team proposed ideas and activities that satisfy the following criteria: 1) should be demand-driven and respond to concerns expressed by beneficiaries consulted during the first implementation phase; 2) should be within the priority areas emanating from fact finding missions undertaken during the inception phase; 3) should reflect the emerging issues and respond to resolutions and recommendations of global meetings such as the World Water Forum, Rio +20, etc.; 4) should be realistic and technically feasible within available capacity and resources; 5) should promote synergies with other regional processes; 6) should represent a continuation of activities undertaken during the first implementation phase and within the SWIM-SM's context and objectives.

Therefore, during the next reporting period the focus will be placed, *inter alia*, on the following activities:

1. **Assessment of wastewater treatment and reuse in rural areas of the PCs: Barriers, challenges and opportunities for improvement (under the pillar of Non-conventional water).** During the first implementation phase of SWIM-SM, several countries requested support in wastewater treatment and reuse in agriculture in rural areas. Several activities were developed to respond to the needs of the PCS. Further, activities were identified during 2012 further to interactions with the stakeholders. It was clear that there is a major gap in rural wastewater treatment and reuse and most countries are lagging behind. It was also noticed that there is a genuine interest in simple and affordable natural treatment systems such as lagoons and constructed wetlands but knowledge of the systems is still scant. Furthermore, private sector's participation in the agenda has been raised as an area to focus. Accordingly, the following activities were decided to respond to the needs of the PCs.
 - Assess the current status of wastewater treatment in rural areas and identify barriers, challenges, and opportunities for improvement. The activity will be undertaken in selected countries.



- Assess the current status of wastewater reuse in rural areas and identify barriers, challenges, and opportunities for improvement. The activity will involve a desk review of the status of reuse in all PCs and a detailed analysis undertaken in selected countries.
 - Build the technical and administrative capacities of government officials through training and study visits to Natural Systems treatment plants in Europe.
- 2. Assessment of potential cumulative environmental impacts of mega desalination plants conglomerating around the Mediterranean (under the pillar Non-conventional water).** The niche for SWIM-SM work on desalination during the first phase of implementation was to mainly address desalination processes combined with Renewable Energy Systems (RES) for the water supply in rural and remote communities. In addition to these, it has been prioritized that environmental aspects of the desalination industry, at different scales, should be looked at. The potential cumulative environmental impacts of the proliferating mega desalination plants, around the shores lines of the Mediterranean, strongly emerged as a crucial issue and should be given adequate attention. Based on these speculations and on the recommendations of the Core Desalination Group (CDG) and national desalination experts, SWIM-SM shall undertake in collaboration with MED-POL a survey on existing and planned mega desalination projects around the Mediterranean basin with the view of assessing the potential cumulative environmental impacts on the near-shore marine environment. The assessment will encompass the following:
- An inventory of the currently operating mega desalination plants including the technical details such as technology used, production capacity, pre-treatment, energy used, chemicals consumed, etc.
 - An assessment of the brine discharge in terms of volume, pollution load, physical and chemical characteristics, etc.
 - An assessment of air emissions including SO₂, CO₂, particulates, NO_x, etc.
 - A survey of mega desalination plants in pipeline or planned until 2025 on the shores of the Mediterranean Basin.
 - A projection of the cumulative impacts of brine discharge and air emissions on the marine ecosystem and potential impacts on bio-diversity using different scenarios.
- This will be followed by convening an expert group meeting in collaboration with the CDG to substantiate and verify the outcomes of the regional cumulative environmental impacts of desalination around the Mediterranean.
- 3. Improving compliance and enforcement of water legislation in SWIM-SM countries (under the pillar of Water governance).** Based on the outcomes of the regional review of water plans, one of the main challenges hindering the implementation of IWRM was ineffective rules of law. This fact was re-emphasised during the regional dialogue where inadequate accredited monitoring systems, weak inspection, insufficient water rules and regulations, poor compliance and lack of enforcement technical and institutional capacities including ill prepared judiciary systems were identified as main constraints towards the effective implementation of IWRM. The objectives of the proposed activities are (1) to identify measures to improve compliance and feasible approaches for the enforcement of water legislation in SWIM-SM PCs while considering the Region's cultural and socio-economic specificities and (2) to develop capacities to ensure full compliance with water legislations. This to encompass capacity development for (i) promoting compliance, (ii) establishing accredited monitoring, (iii) enhancing inspection and monitoring systems for the provision of legal evidences for compliance or violations, and (iv) developing the capacity of judicial system including training of judiciaries to address violations of water laws.
- 4. Drought management as non-regret action towards climate change (under the pillar of No Regret Actions for the Adaptation of the Water Sector to Climate Change).** The primary cause of drought is



usually rainfall deficiency most likely caused by CC as a key driver. Higher air temperatures and evapotranspiration rates may act in combination with lower precipitation to exacerbate the acuteness and duration of droughts. It is unfortunate to note that drought episodes have often been resolved by a spontaneous ad-hoc crisis management approach dictated by a lack of timely preparedness for extreme events. Very little and scattered drought data are already available at the national level; however, assessment and monitoring programs are neither integrated nor complete. Based on these facts, SWIM-SM is gearing its CC no-regret scope towards supporting PCs in: 1- Assessing drought frequency of occurrence, delineating the affected areas and identifying the population and economic sectors affected the most; 2- Developing specific drought policies, within the context of long-term sustainable management of water resources; 3- Enhancing preparedness for increasing droughts through the development of drought mitigation plans and measures; 4- Supporting PCs develop their capacities to mitigate droughts impacts on the environment, economy and society. The overarching objective of the CC no-regret activities proposed is to support SWIM-SM PCs in developing specific drought policies and plans within their long-term sustainable management of water resources with the view of reducing vulnerability and enhancing communities' resilience.

Specific objectives:

- To assess drought frequency of occurrence, delineate the affected areas and identify the population and economic sectors affected the most;
- To enhance the understanding and awareness of droughts in SWIM-SM PCs as an increasing hazard and its potential environmental and socio-economic impacts.
- To develop specific drought policies and contingency plans with the aim of enhancing preparedness for increasing and extending drought's episodes.
- To develop the capacities of SWIM-SM PCs to mitigate droughts impacts, on the environment, economy and society; reduce vulnerability and improve communities' resilience in SWIM-SM PCs through study visits.

- 5. Develop a System to monitor and evaluate Participatory Irrigation Management (PIM)/Irrigation Management Transfer (IMT) process (under the pillar of Water Governance at local level).** Being a learning and adaptive process, Participatory Irrigation Management (PIM)/Irrigation Management transfer (IMT) requires continuous monitoring and evaluation (M&E) which should allow regular adjustment of the process. SWIM project countries are at different levels and breadth of experience with respect to water users' participation in irrigation management. Regardless of the stage of development, an M&E system is needed to monitor the process throughout the different phases immediately following the initial declaration of PIM/IMT policy statement for empowering stakeholders in the management of their water resources. This system should enable monitoring government interventions to establish and support WUAs, monitor the status and the institutional, financial and technical performance of the WUAs to identify the ones which are not performing well and where additional support is needed, and periodically assess the results/impacts of the government interventions.

In view of the above and based on the recommendations made by the WUAs experts group in the regional workshop that was held in Athens (April 2012), SWIM-SM will focus one of its main activities within the water governance pillar, during the last two years of implementation, on monitoring and evaluation for PIM/IMT. To this effect the following is proposed:

- Provide a regional view on the status of M&E system in the PCs. Develop a questionnaire to solicit country inputs on the availability of M&E system, and the indicators used. Consolidate the responses into a regional perspective.



- Prepare a report on the International M&E systems to be presented as background information for a proposed 4-days M&E regional expert group workshop. Conduct the workshop to discuss existing international M&E experiences related to PIM/IMT programs and to adopt one system that suits best the needs of the participating countries (year 2013)
- Test the applicability of the M&E system in 1-2 pilot areas; size and location of the pilot to be determined during Regional Workshop. This will involve:
 - Refinement of the M&E system and actual selection of indicators for the pilot area in a reflective and participative way involving the key stakeholders (Year 2013; subject for the availability of resources for the Non-Key Experts and 2014).
 - Applying the M&E system in a pilot area (Year 2014).

Other activities related to the Water Governance pillar include:

- Conduct a **3-day high profile study visit** to Turkey known for its successful implementation of PIM/IMT to strengthen the political commitment of the project countries (PCs) to the adoption of Participatory Irrigation Management and encourage the PCs to provide support for such a reform. The study visit will be **preceded by two days training** on subjects related to the study visit.
- Carry out Training of Trainers (ToT) on the formulation of the legal statutes for WUAs including the elements related to the WUAs budgets, water fees, business plans and models of income generation.

The latter two activities were based on the results of the two workshops undertaken by SWIM during the previous year, and the findings of the regional assessment on the status of Water Users Participation in the SWIM countries.

- 6. Cost-benefit analysis of investments for mitigating water pollution and building capacity on economic valuation of environmental pollution.** The proposed activity is intended to extend the analysis of the cost of environmental degradation study by improving the estimates of the cost of watershed degradation; analyzing the benefits of alternative responses; and build the capacity of environmental economists in the region on valuing the cost of environmental degradation.

The proposed activities for 2013 are based on the outcomes of 2012 activities on updating the degradation of 2 river basins in Tunisia and Morocco. The 2013 suggested activities will extend the experience and knowledge to other countries through the implementation of cost-benefit analysis of investments for mitigating water pollution and capacity building. The suggested activities would include the following:

- Cost/benefit analyses of investments for mitigating water pollution in selected river basins in four countries, i.e. Oum Rabia (Morocco), Seibous River (Algeria), Litani River Basin (Lebanon), in collaboration with the Marseille Centre for Mediterranean Integration and H2020 MEHSIP, the Mediterranean Network of Basin Organisations, etc. The objective of the proposed activity is to conduct a cost/benefit analysis of mitigating water pollution to demonstrate the economic cost and benefits associated with pollution control to planners and policy makers in 3 countries. This would lead to the preparation of water /waste water investment plan in which the costs (including the capital, operating and maintenance costs, etc.) related to interventions needed to reduce water pollution will be estimated. The remediation costs will be further useful to undertake an ex-ante Cost-Benefit Analyses of potential investments in protection of water supply and water quality.
- Regional training on the economic valuation of river pollution using the EU WFD methodology and the context/benefits of economic valuation at the decision-making level. The main objective is to provide training to 30 participants from PCs on economic valuation of river pollution. The targeted audience is environmental economists and middle to upper level government's water and planning officials. This objective will be achieved by involving a team of national experts in the preparation of this activity. This will allow a transfer and sharing of knowledge and expertise that will enable nationals in the PCs to replicate this type of cost analysis in other sectors of the



economy. During the course of this activity, national and regional training workshops will also be organised to explain the methodologies used to undertake the analysis



2.2 WORKPLAN 2013 – TABLE FORMAT

Project title: Sustainable Water Integrated Management – Support Mechanism (SWIM-SM)	Project number: EuropeAid/129399/C/SER/MULTI	Country: Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, occupied Palestinian territory, Syria, Tunisia
Planning period : September 2012 to September 2013	Prepared on: September 2012	Consultant: LDK Consultants Engineers & Planners SA

Project objectives: To promote actively the extensive dissemination of sustainable water management policies and practices in 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

Activities	TIMEFRAME													
	Sep 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sep 2013	
WP1: Water governance & mainstreaming														
Activity 1.1: Provide ad hoc support and advice for review of water policies, national water strategies and IWRM plans														
1.1.2 Targeted technical assistance for the elaboration of a Wastewater Strategy and/or Action Plan, Egypt, Tunisia and Morocco. Provision of support to selected countries (Egypt, Morocco and Tunisia) to enhance the development and implementation of wastewater national strategies, plan of action, associated policies through the preparation of a gap analysis, and recommendations of policy options and opportunities for advancing missing priority elements. The activity includes the organization of a one-day national consultation meeting involving all related stakeholders in the 3 countries.Expected output: targeted elements of wastewater strategy and/or action plan in two beneficiary countries advanced (activity operating under project's Pillar A) with a view of sharing knowledge among SWIM countries as follow up.														
Activity 1.2: Ensure sustainable water management strategies mainstreaming into other sectors' policies														
1.2.2 Update costing of environmental degradation due to water pollution. Expected output: Assess the cost of environmental degradation at the basin level to assist national and local decision-makers in identifying concrete actions to improve watershed management in Tunisia and Morocco through the potential for financing projects that will derive environmental benefits and reduce externalities. Two 1-day workshop on 25 and 27 of November.														
1.2.4 Identification and catering of no-regret actions for the water sector in Jordan and occupied Palestinian territory and elaboration of policy recommendation for advancing action. Expected output: Identify and cater no-regret actions for the water sectors in Jordan and oPT to adapt to projected impacts of climate change with special emphasis on drought and flood risks management. Postponed to 2013 based on the recommendation of former EC Task Manager until the Regional CC Program is developed so as to ensure synergy														



Sustainable Water Integrated Management (SWIM) - Support Mechanism

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Planning period : September 2012 to September 2013	Prepared on: September 2012	Consultant: LDK Consultants Engineers & Planners SA											
Project objectives: To promote actively the extensive dissemination of sustainable water management policies and practices in 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													
	TIMEFRAME												
Activities	Sep 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sep 2013
<p>1.2.5 Support to planned inter-ministerial Committee on water at national level in synergy with GEF MedPartnership. Pending developments with GEF MedPartnership</p> <p>1.2.6 Develop regional guidelines on measures for improving compliance with water legislations and assess the available enforcement with water legislations and assess the available enforcement capacity and mechanisms currently practiced in SWIM-SM region to enforce water legislations with focus on 4 SWIM-SM PCs (Morocco, Jordan, Israel, and Egypt). In synergy with IUCN-Geneva, UNEP-ROWA. New activity proposed for 2013</p> <p>1.2.7. Assess the current legislative capacity and legal procedures employed in the prosecution of violators of water legislation in the SWIM-SM PCs and develop guidelines for the establishment of water prosecution systems and water magistrates as a part of national judiciary systems with focus on 4 SWIM-SM PCs (Morocco, Jordan, Israel, and Egypt). In synergy with IUCN-Geneva and UNEP-ROWA. New activity proposed for 2014</p> <p>1.2.8 Develop a comprehensive M&E system for Participatory Irrigation Management (PIM) and Irrigation Management transfer (IMT) Process.</p> <p>1.2.8.1 Provide a regional view on the status of M&E system in the PCs. Develop a questionnaire to solicit country inputs on the availability of M&E system, and the indicators used. Consolidate the responses into a regional perspective. New activity proposed for 2013</p> <p>1.2.8.2 Prepare a report on the International M&E systems (FAO, IWMI, WB) to be presented as a background information for the M&E regional workshop (activity 1.8.2.3) New activity proposed for 2013</p> <p>1.2.8.3 Conduct a 3-days regional expert group workshop involving representatives from national authorities, water users associations, donors, regional and international organisations and national, regional and international experts to discuss existing international M&E experiences related to PIM/IMT programs and to adopt one system that suits best the needs of the participating countries. This will be achieved through intensive interactions in working groups. (Venue: Athens). New activity proposed for 2013</p> <p>1.2.8.4. Test the applicability of the M&E system in 1 pilot area; size and location of the pilot to be determined during Regional Workshop. This will involve in Year 2013 refinement of the M&E system and actual selection of</p>													



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Project title: Sustainable Water Integrated Management – Support Mechanism (SWIM-SM)	Project number: EuropeAid/129399/C/SER/MULTI	Country: Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, occupied Palestinian territory, Syria, Tunisia											
Planning period : September 2012 to September 2013	Prepared on: September 2012	Consultant: LDK Consultants Engineers & Planners SA											
Project objectives: To promote actively the extensive dissemination of sustainable water management policies and practices in 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													
TIMEFRAME													
Activities	Sep 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sep 2013
indicators for the pilot area in a reflective and participative way involving the key stakeholders. New activity proposed for 2014													
Work Package 2: Capacity building activities													
Activity 2.1: Establishment of a network with the existing regional and national training institutions													
2.1.1 Prepare and maintain a contact list of national and regional centres of excellence - in close collaboration with H2020 CB/MEP, thus leading to the creation of a network of such centres/institutions. Expected output: a database of centres of excellence relating to the SWIM themes developed. Activity is completed. The maintenance/ updating of the list is an on-going activity	■	■	■	■	■	■	■	■	■	■	■	■	■
2.1.2 Based on the database, carry out a mapping exercise on ongoing and planned training activities at regional level so as to identify gaps with emphasis on SWIM-SM focus themes. Expected output: A matrix of executed and planned training activities at regional level compiled and gaps/needs identified.	■	■	■	■	■	■	■	■	■	■	■	■	■
Activity 2.2: Develop national and regional capacity building programmes / training sessions													
2.2.1.a Regional training on the inter-linkages between integrated water resources management (IWRM) and integrated coastal zone management (ICZM) - in coordination with H2020 CB/MEP. Modality: 2-day sub-regional training in Algeria targeting middle level personnel, on 30 th and 31 st of October 2012	●												
2.2.2.a Regional training on the economic valuation of river pollution using the EU WFD methodology and the context/benefits of economic valuation at the decision-making level; Modality: 3-day training seminar in Greece on capacity of decision makers targeting 30 participants; training open for attendance to environmental economists. Considering an expressed interest in the theme by Israel, the conduct of a sub-regional training (among Israel, oPt, Jordan) will be explored (activity operating under project's Pillar B). Postponed to 2013 to consider the findings of Activity 1.2.2													
2.2.2.c Provision of technical assistance to selected countries for the identification and development of no-regret actions. Modality: 3-day regional training in Jordan on 3-5 October 2012, including participants from 5 other													



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	TIMEFRAME												
Activities	Sep 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sep 2013
PCs (activity operating under project's Pillar C). In conjunction with WP 1 - Activities 1.2.3 (completed) and 1.2.4 (in this workplan)													
2.3.1. Develop and execute a capacity development program for water & environment prosecutors and investigators including two days workshop to be followed by 12 days study tours in 3 European countries in collaboration with IUCN-Geneva and UNEP-ROWA. New activity proposed for 2013													
2.3.2. Develop and execute a capacity building program for water & environment magistrates - judges including two days training workshop followed by 8 days study tour in collaboration with IUCN-Geneva and UNEP-ROWA. New activity proposed for 2014													
2.4 Convene a 5 days high level study tour to strengthen political commitment to PIM/IMT, in coordination with the State Hydraulics Works (DSI) in Turkey. New activity proposed for 2013													
2.5 Two days training on natural Wastewater Treatment in rural areas followed by ten days study tour New activity proposed for 2013													
2.6 Support the involvement of officials in online: course on natural systems New activity proposed for 2013													
Work Package 3: Application of water management plans													
Activity 3.1: Develop mechanisms and procedures to facilitate regional dialogue, consultations, and exchange of experience among the most water intensive sectors such as agriculture, tourism and urban development													
3.1.3 Cost/benefit analyses of investments for mitigating water pollution in selected river basins in four countries, i.e. Oum Rabia (Morocco), Seibous River (Algeria), Litani River Basin (Lebanon), in collaboration with the Marseille Centre for Mediterranean Integration and H2020 MEHSIP, the Mediterranean Network of Basin Organisations, etc. Postponed to 2013													
3.1.4 Strengthen implementation capacity of national water plans at local level with emphasis on financial sustainability. Expected output: manual for local level private sector participation produced (activity operating under project's Pillar D).													



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Planning period : September 2012 to September 2013	Prepared on: September 2012	Consultant: LDK Consultants Engineers & Planners SA											
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Activity 3.3: Organise and/or facilitate discussions and harmonising approaches and policies on issues related to the objectives of the Strategy for Water in the Mediterranean, notably IWRM and adaptation to climate change, and the Horizon 2020 initiative, especially its de-pollution component													
3.3.1 Assist with the implementation of the draft SWM and the elaboration of the Action Plan - Activity temporarily stalled due to political reasons													
3.3.2 Close operational linkages with H2020.													
3.4.1 Assess potential cumulative environmental impacts of mega desalination plants conglomerating around the Mediterranean in synergy with MED-POL. New activity proposed for 2013													
3.4.2 Convene a regional Expert Group Meeting in Athens on Potential Cumulative Environmental Impacts of Desalination Plants on the Mediterranean Sea to substantiate and verify the outcomes of activity 3.4.1. In synergy with UNEP-MAP, MED-POL, H2020. New activity proposed for 2013													
3.4.3 Convene a one-day high-level techno-political policy dialogue in Brussels to debate the prospects of desalination on the Mediterranean Sea in light of expert's opinion on their potential cumulative environmental impacts in collaboration with MED-POL, EDB, UFM. New activity proposed for 2014													
3.5.1. Regional Assessment of past drought episodes and their management in Selected SWIM-SMPCs (Morocco, Tunisia, Jordan and oPt). New activity proposed for 2013													
3.5.2. Development of guidelines for drought mitigation policies and assess institutional and technical capacities available at the national level to identify the capacity building need for the better management of drought episodes with emphasis on tools and techniques to reduce vulnerability of sensitive socio-economic sectors. New activity proposed for 2014													
3.6.1 Regional assessment on the status of wastewater treatment in rural areas with more in depth analysis in 4 countries New activity proposed for 2013													
3.6.2 Regional assessment on the challenges of treated wastewater reuse in rural areas with more in depth analysis in 4 countries New activity proposed for 2013													



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<p>Work Package 4: Identification of good practices & success stories in the region & elsewhere</p> <p>Activity 1: Identify and disseminate success stories and supporting exchange of experience between the beneficiaries of the present project and those of other projects/programmes implemented at regional or national level and</p> <p>Activity 2: Identify and inform about possible good practices and exchange knowledge on programmes or projects on water management in the region and elsewhere, funded by other donors and</p> <p>Activity 4: Contribute to facilitating the transfer of know-how and exchange of experience on water management</p> <p>4.1/2/4.1. Elaboration of a replication strategy and establishment of a replication mechanism in the Mediterranean in collaboration with the GEF MedPartnership. Expected outcome: Development jointly and under the lead of the GEF MedPartnership of a broader context for the Replication Strategy addressing environmental, water and possibly other regional agendas</p> <p>4.1/2/4.2. Identification and compilation of overall criteria for screening and mapping success stories and best practices in close collaboration with activities under WP1, WP3 and WP6</p> <p>4.1/2/4.3. Documentation of successful interventions in Egypt, Israel, Jordan and Morocco with regard to increased efficiency and effectiveness of wastewater reuse</p> <p>4.1/2/4.4. Documenting existing practices used by Algeria, Morocco and Tunisia using economic valuation for decision making in the water sector. Postpone to 2013 to consider findings of Activity 1.2.2</p> <p>4.1/2/4.5. Identification of best practices on reduction of non-revenue water. Expected outcome: Identification and documentation of best practices in Algeria, Israel, Jordan and Morocco</p> <p>4.1/2/4.6. Documentation of best practices in the operationalisation of water users' associations. Subject to availability of NKE resources</p>														
<p>Work Package 5: Development of a Communication and Awareness Raising Strategy</p>														



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Activity 5.1: Create the project's identity													
5.1.1 Updating PPT presentations with SWIM-SM format	■	■	■	■	■	■	■	■	■	■	■	■	■
5.1.2 Updating of SWIM-SM policy profile (AR, EN and FR versions), diffusion to national and regional stakeholders	■	■	■	■	■	■	■	■	■	■	■	■	■
5.1.3 Updating of SWIM-SM pamphlet (EN and FR versions), diffusion to national and regional stakeholders	■	■	■	■	■	■	■	■	■	■	■	■	■
Activity 5.2: Draw up a package of communication and awareness raising activities targeting relevant decision makers, stakeholders and the general public (including awareness on the draft Strategy for Water in the Mediterranean and the selected demonstration projects)													
5.2.1 Website set up, maintained and updated	■	■	■	■	■	■	■	■	■	■	■	■	■
5.2.2 Management of promotional materials' design and production and oversight of the overall communication with SWIM-SM Focal Points, target groups and other stakeholders	■	■	■	■	■	■	■	■	■	■	■	■	■
5.2.3 Relations with press and journalists - advertorials, press releases	■	■	■	■	■	■	■	■	■	■	■	■	■
5.2.4 Preparation of a media kit to be used for the training of media, educators of higher institutes (Universities etc.) and eventually distributed also to journalism students.	■	●	■	■	■	■	■	■	■	■	■	■	■
5.2.6 Consultation meetings with responsible for extension services to farmers and/or administrations / cooperatives related to farmers activities to identify the type of messages, materials and activities that could form the awareness raising and communication campaign addressing this target group (in 4 PCs). Consultation has been concluded in Lebanon, Jordan and Tunisia and planned for Algeria.		●	■	■	■	■	■	■	■	■	■	■	■
5.2.7 Brochure and/or other information material for farmers on the least environmentally and human health damaging practices for watering, for fertilising, for pest control - Awareness raising about the impacts on health and the environment of re-use of raw or treated wastewater in agriculture. Best practices from other regions and countries will be presented.			■	■	■	■	■	■	■	■	■	■	■
5.2.8 Four information workshops targeting farmers, community leaders and consumers in selected regions/river basins about health safety and practices related to the use of treated waste water in agriculture. Postpone to 2013 as													■



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they are conditional to findings of Activity 5.2.6														
5.2.9 Educational materials on water adapted to the Mediterranean situation. Postponed for 2014														
5.2.10 Preparatory activities for one Regional Information Sessions of Parliamentarians (organised in cooperation with COMPSUD Network and aiming at involving EMPA members from PCs) on SWIM themes relevant to their work. The session will take place in Athens on the 17 th of December 2012.														
5.2.11 Development and Maintenance of a contacts' data base for parliamentarians, journalists, NGOs, educators. The list will be ready at the end of November 2012 but its update is an ongoing activity														
5.2.12 Production of 6-monthly News Flash. It is an on-going activity, the next issue should be ready and diffused by February 2013														
5.2.13 Production of promotional material, such as: flash memories, notepads, roll-up banners, mousepads, folders.														
5.2.15 Media coverage of 5 SWIM-SM events (including the preparation of press-packets in advance of media events)														
5.2.16 Oversight and management of the overall communication aspects related to SWIM-SM activities (contacts with relevant stakeholders, preparation of information materials, evaluation of specific activities)														
Activity 5.3: Create a legacy for the project														
Ongoing process through the conduct of activities														
Work Package 6: Support the Commission with the overall coordination of the programme														
Activity 6.1: Provide technical support to the demonstration projects														
Coordination meetings. The first coordination meeting took place in March 2012. Second Coordination Meeting is scheduled for 16 October 2012 (back-to-back with the Second PSC on 17-18 Oct 2012). This is an ongoing activity														
Activity 6.2: Support the beneficiaries of demonstration projects in better promotion of their objectives and activities and														



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Promote awareness on the demonstration projects among stakeholders at all levels, with a view to improving their impact, multiplying their effects, improving policy design and implementation, and encourage the replication of success stories and														
Activity 6.3: Strengthen the interaction between the demonstration projects														
6.3/4.2 Integration of Demo projects' information in the SWIM website														
6.3/4.3 Facilitation of contacts with the press and journalists and other relevant stakeholders.														
6.3/4.4 Align the SWIM SM and the SWIM demo visibility and communications strategy in the framework of SWIM objectives. Actual timeframe will be identified after the coordination meeting with demos held in Brussels on 16th October 2012														
6.3/4.6 Production of Brochure (English, French and Arabic) presenting the objectives / basic features of Demo projects and how they fit in the overall SWIM framework														
6.3/4.7 Organisation of National visibility events in 5-8 selected PC participating in the Demonstration projects and according to the distribution of demonstration activities, including media coverage														
6.4 Preparation of SWIM documentary														
Activity 6.6: Create dynamic databases of demonstration project beneficiaries														
6.6.1 Preparation and maintenance of a database. This is an ongoing activity														
Work Package 7 - Project Management and Backstopping														
7.1 Management of all activities under the other work packages														
7.2 Drafting and control of contracts and terms of reference														
7.3 Logistics and Reporting														



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7.4 Participation in Management Meetings					●			●				●	
7.5 Quality Assurance and Quality Control	■	■	■	■	■	■	■	■	■	■	■	■	■