

SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future

Session I: SWIM-H2020 SM: Where we are and what is still to happen in Egypt Implementing the Egypt work programme

Presented by SWIM-H2020 SM Team members:

Prof. M. SCULLOS (Team Leader), Dr. M. Kossida (Science-to-Policy Interface Expert), Dr. E. Adly, (Stakeholder Engagement Expert)

SWIM-H2020 SM National Meeting: Egypt

Supporting sustainable water resources and a clean environment in the Mediterranean region

Cairo, 16 October 2018

This Project is funded by the European Union



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SWIM-H2020 SM in a Snapshot

Profile

The EU-funded **SWIM-H2020 SM Project (2016-2019)**, is a key regional project aiming to contribute to reduced marine pollution and sustainable use of scarce water resources in the Mediterranean Region with emphasis on the **countries of North Africa and the Middle East**.

Components of the Project

The Project is the continuation and merging of two successful previous EU-funded Programmes: Horizon 2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) (2009-2014) and the Sustainable Water Integrated Management Support Mechanism (SWIM SM) (2010-2015).

SWIM-H2020 SM

The Project is to:

Provide tailored and targeted technical assistance at national level based on partners' requests through an Expert Facility;

Organize regional (or sub-regional) peer-to-peer training seminars and webinars;

Conduct on-site training courses and study tours;

Capitalize on the lessons learnt, good practices and success stories;

Support logistically and technically the Horizon 2020 Initiative's Steering Group & Sub Groups and the Meetings of the Union for the Mediterranean's Water Experts Group.

SWIM-H2020 SM Expected Results

In order to Achieve:

Positive changes in the design and implementation of the relevant national institutional, policy and regulatory frameworks;

Enhancement of partner countries' capacity to promote investment and business opportunities for properly managing municipal waste, industrial emissions and waste water;

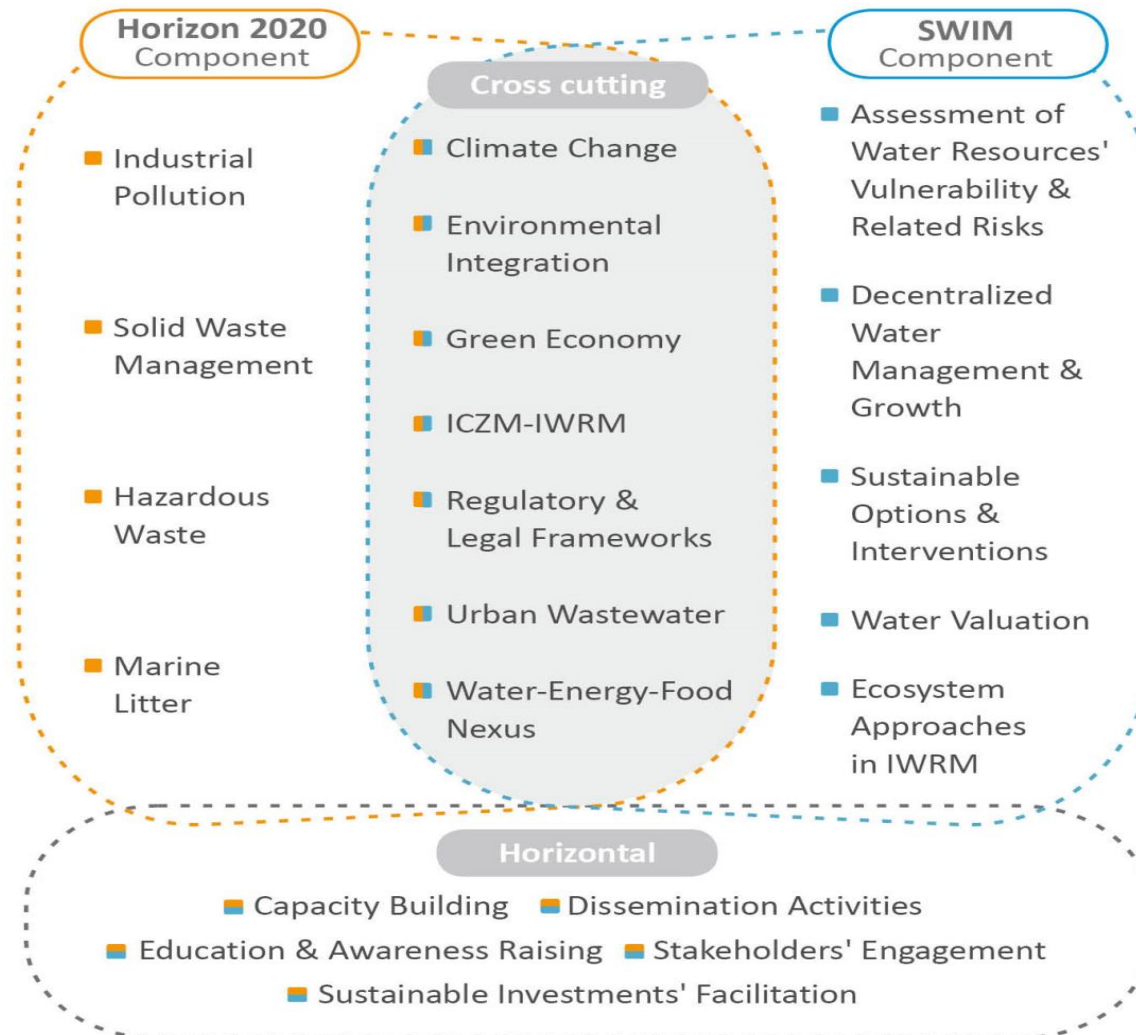
Facilitation of access to finance for selected sustainable investment projects;

Strengthening of regional coherence and cooperation in approaches to marine pollution prevention and control, and sustainable water management;

Identification, testing and sharing of best practices and success stories;

Use of research results in policy making – enhancement of more sustainable practices.

SWIM-H2020 SM Themes



SWIM-H2020 SM Cooperation

Framework of Cooperation

The project is based on synergies, which are further developed and supported through:

- **The SWIM-H2020 SM Focal Points (FPs)** in the Ministries in charge of Water and Environment of the Partner Countries, which also constitute the SWIM-H2020 SM Steering Committee.
- **Regional bodies forming the Institutional Partners** of the Project, namely:
 - the **Union for the Mediterranean (UfM)**, assisting on issues linked with the draft Strategy for Water in the Mediterranean, the Water Strategy in the Western Mediterranean (5+5), projects and investments related with Mediterranean pollution Hot Spots.
 - the **Mediterranean Action Plan of UN Environment (UN Environment/MAP)**, supporting activities related to the Land Based Sources (LBS), the Hazardous Wastes and Integrated Coastal Zone Management (ICZM) Protocols of the Barcelona Convention as well as the revised National Action Plans (NAPs).
- **Relevant EU Institutions** (including DG ENV, NEAR, Research, MARE, etc.) such as the European Investment Bank (EIB) which coordinates the Mediterranean Hot Spots Investment Programme II (MeHSIP II) and **Agencies** such as the European Environment Agency (EEA), which coordinates the Shared Environmental Information System (SEIS) South.
- **Other Regional Initiatives and Projects** (SwitchMed, BlueGreen Med CS, CLIMA South, etc.).

SWIM-H2020 SM Consortium



LDK Consultants S.A. (Leader)
LDK Consultants Europe S.A.



Haskoning DHV Nederland B.V.



Arab Countries Water Utilities Association (ACWUA)



Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO - ECSDE)



Arab Network for Environment and Development "RAED"



Milieu Ltd



Association of Cities & Regions for Recycling and Sustainable Resource Management (ACR+)



National and Kapodistrian University of Athens (UoA)



Catalan Waste Agency (hosting institution of Regional Activity Centre for Sustainable Consumption and Production (SCP/RAC))



Umweltbundesamt GmbH



EEIG UT – SEMIDE



WS Atkins International Ltd



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SWIM-H2020 SM in Numbers

The Project in Numbers

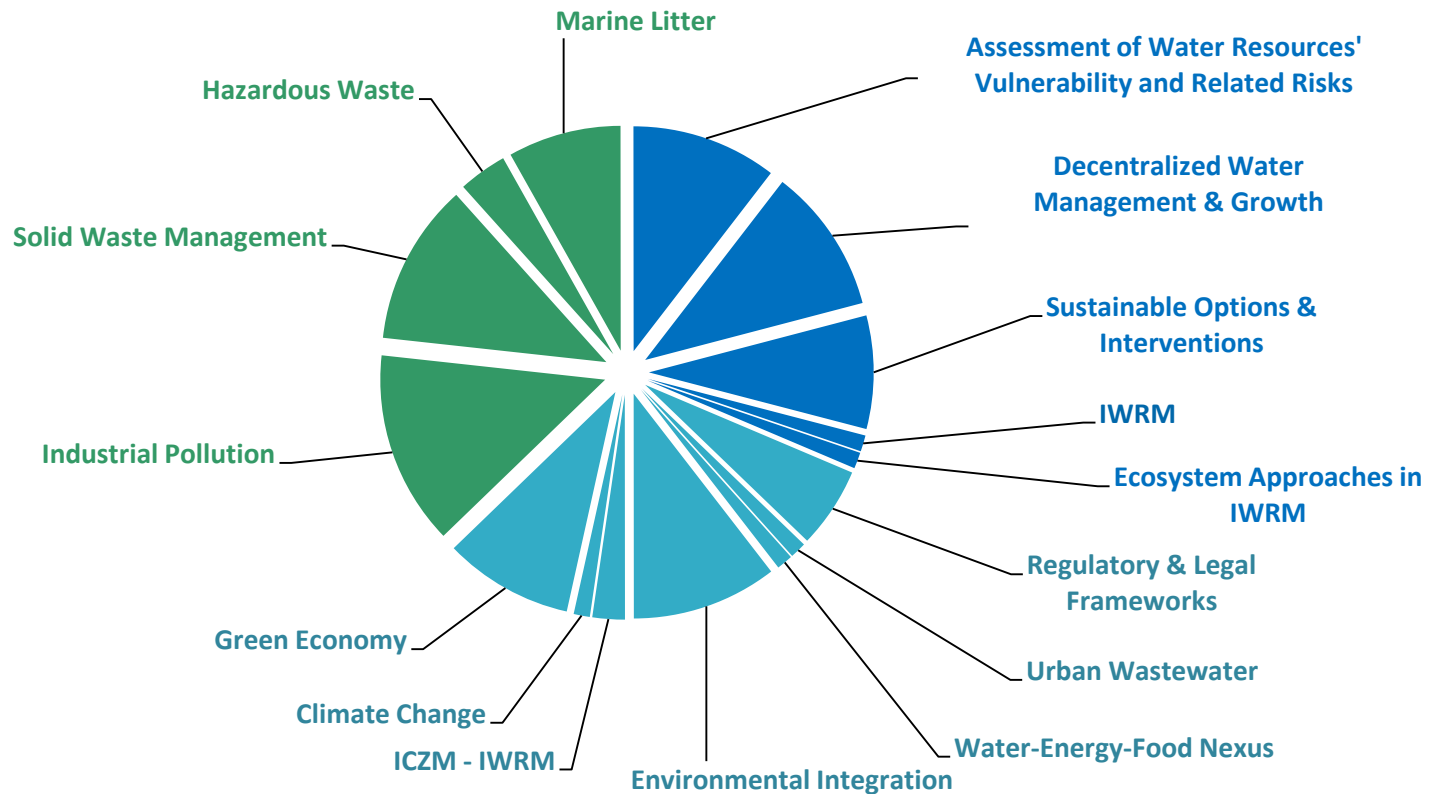
1	Support Mechanism
2	Components (SWIM and Horizon 2020)
8	Partner (Beneficiaries) Countries (active)
19	Major Synergies
14	Consortium Partners
39	Months (2016-2019)
6.705.250	Euros Budget
21	Themes
Over 100	Activities out of which 50 are National and 35 (sub) Regional and other meetings with participation from Western Balkans and Turkey
24	Annual Meetings
11	Categories of Stakeholders involved
2	Websites (Project & H2020)
2	Social Media Pages (LinkedIn, Facebook)

SWIM and Horizon 2020 Support Mechanism at a glance

85 activities under 15 themes for both Water and Environment

H2020 Themes

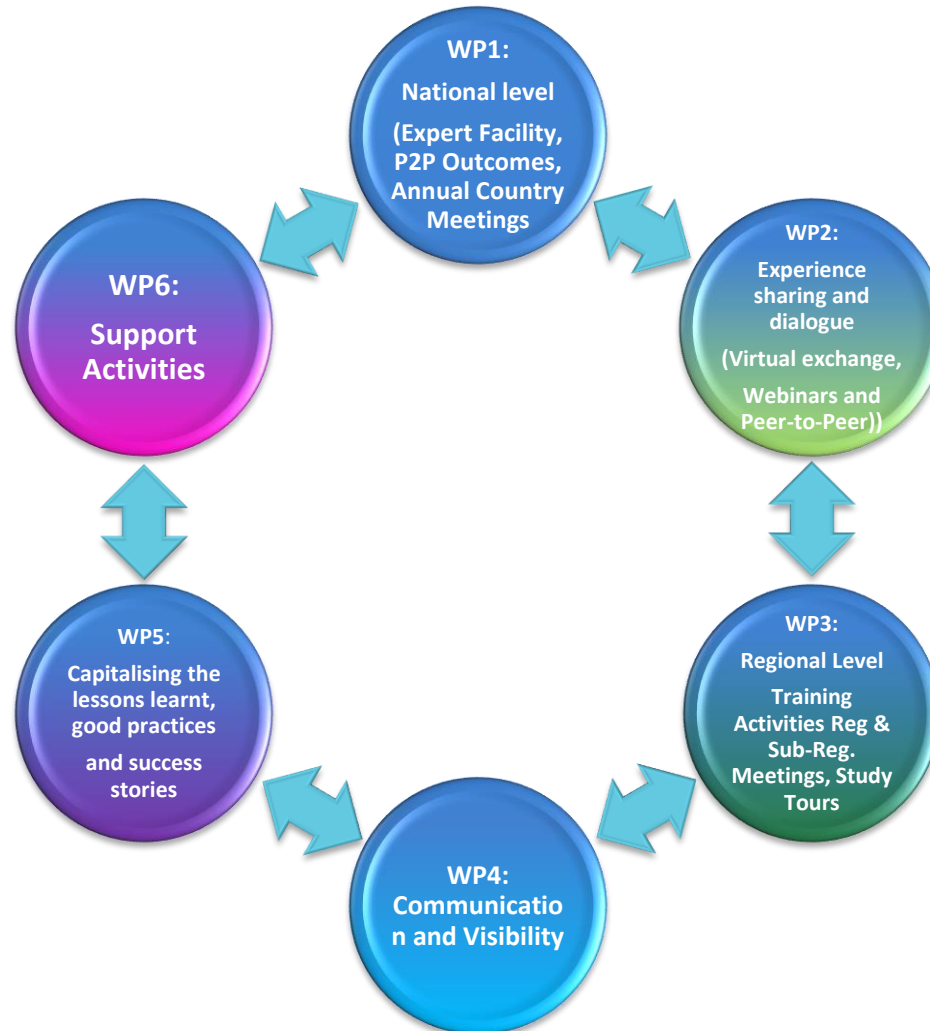
SWIM Themes



Cross-Cutting H2020/SWIM Themes

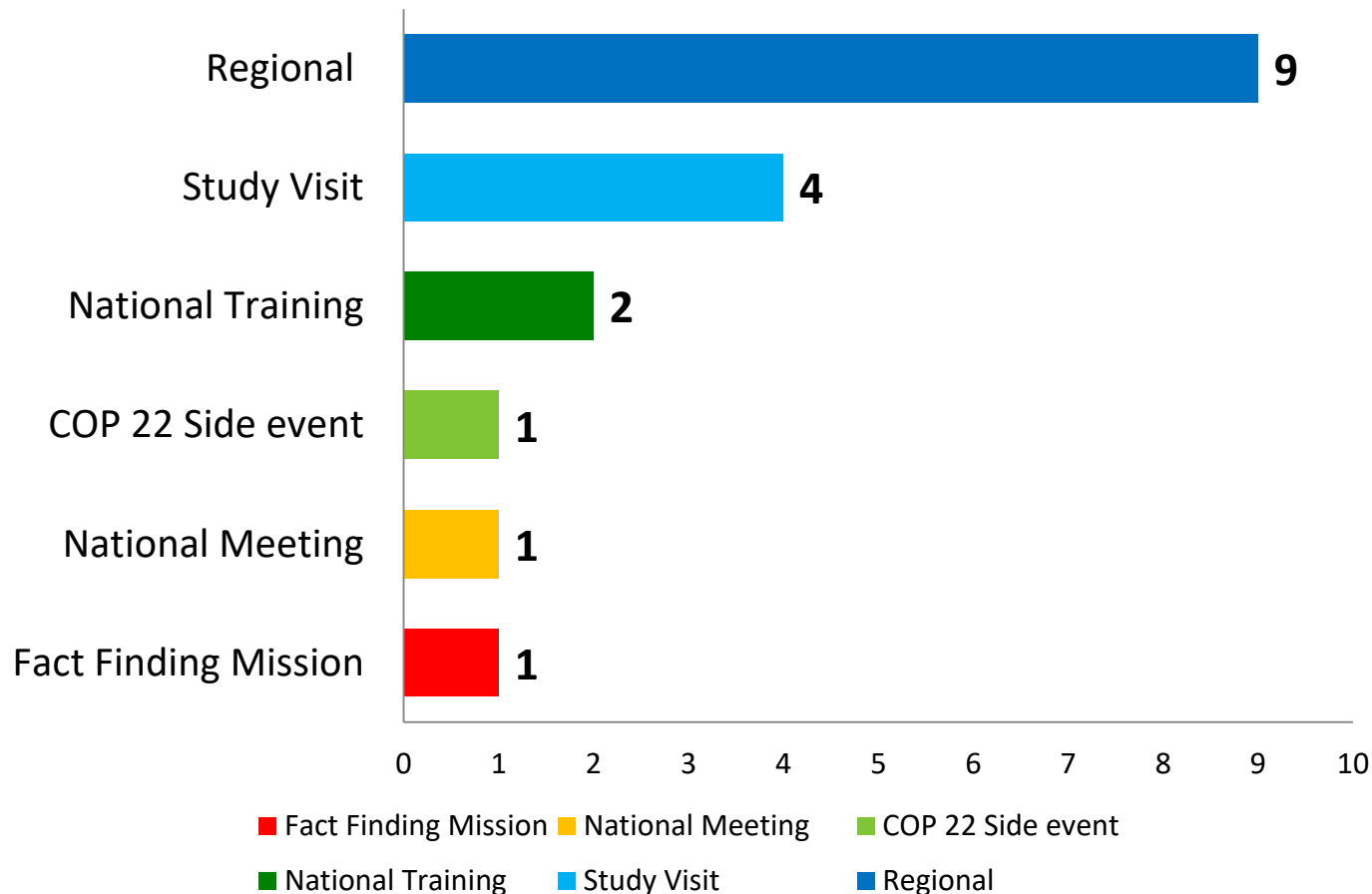
SWIM and Horizon 2020 Support Mechanism at a glance

Structure



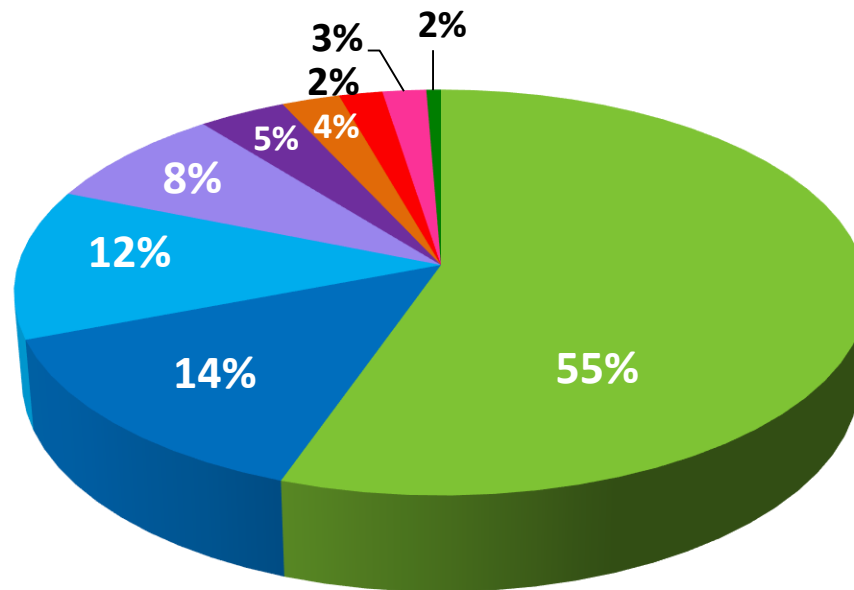
Stakeholder Engagement

159+ Egyptians professionals have participated in the Project's Activities to date



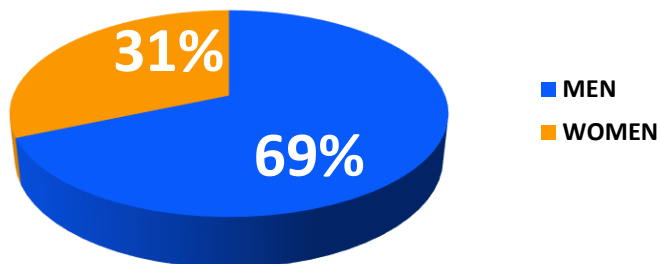
Stakeholder Engagement

Type of Institutions



- MINISTRY REPRESENTATIVES
- GOVERNMENT AGENCIES
- NGOs
- INTERNATIONAL ORGANISATIONS AND PROGRAMMES
- ACADEMIA AND RESEARCH INSTITUTES
- DONORS AGENCIES
- OTHER
- MEDIA
- EUD

Gender of Participants



SWIM-H2020 SM: Assessment process

SWIM-H2020 SM methodology for enhancing and assessing its capacity building activities

- Assessment quizzes/exercises (before/after training/study visit)
- Evaluation forms at the end of each training/study visit
- Post training questionnaires
- Deepening interviews
- Feedback: emails, reports, etc.
- Steering Committee Meetings of the project

SWIM-H2020 SM Expert Facility: Environment Component - 3 activities in Egypt

EFH-EG-1 : Capacity building of the new Solid Waste Agency of Egypt

Description of the activity	Status	%
<p>Providing technical assistance and capacity building for the Waste Management Regulatory Agency staff, particularly with regard to the development of new waste management streams in Egypt (Case of Construction and Demolition Waste (C&DW)).</p>	<ul style="list-style-type: none"> - The specific stream that has been chosen by WMRA is the rapidly evolving sector of the Construction and Demolition Waste (C&DW). - The training took place in Cairo on 10-11 October 2018. 	<p>80%</p>

SWIM-H2020 SM Expert Facility: Environment Component - 3 activities in Egypt

EFH-EG-2: Support for an Action Plan to deal with the pollution of the Nile River
Re-routed/new activity:
Support for the implementation of the Action Plan of the Mediterranean Strategy on Education for Sustainable Development in Egypt

Description of the activity	Status	%
<p>Support for the implementation of the Action Plan of the Mediterranean Strategy on Education for Sustainable Development in Egypt</p>	<ul style="list-style-type: none"> - The H2020 FP informed on March 26th, 2018 that Egypt would prefer to focus this activity on Education for Sustainable Development, linked to REG-10. - The TOR were developed and submitted on May 14 and were approved by the EC on the 16th. - Egypt is developing its National Action Plan on ESD and two back-to-back trainings are scheduled from 2-6 December 2018 in Cairo in support of this, as well as two inter-ministerial / inter-institutional consultations during that same week. 	<p>Re-routed</p>

SWIM-H2020 SM Expert Facility: Environment Component - 3 activities in Egypt

EFH-EG-3: Assessment of marine litter in the Egyptian Mediterranean coastline and proposed management options

Description of the activity	Status	%
<p>Assessment of marine litter in the Egyptian Mediterranean coastline and proposed management options</p>	<ul style="list-style-type: none"> - Training and field visit was organized on 19-20 September 2017. - Report of the training submitted on 25 January 2018. - Egyptian Peers are conducting beach litter surveys throughout 2018 in order to collect the necessary data that will determine what measures are best suited for Marine Litter management in Egypt. - The relevant P2P exchange (P2P-3) is underway and trainees/stakeholders of this activity participated in WEB-2 which took place on 27 March 2018. - The beach litter surveys are well under way by the Egyptians and their result will be shared at REG-1 in Athens on 24-25 October 2018. 	<p>75%</p>

SWIM-H2020 SM Regional Activities

Environment Component - **12** activities ongoing and **2** planned

Code	Activity	Description	Participants
ST-1 & P2P-1	Study Visit on Construction and demolition waste	Study visit on construction and demolition waste organized in September 2017 in Belgium. Introduction of P2P-1 at the end of the study visit to Belgium. Algeria, Tunisia and Lebanon confirmed in December 2017 their willingness to join P2P-1. Egyptian peers will also join this activity (linked with EFH-EG-1).	3
ST-2	Visit to different types of state-of-the-art Sludge Management Systems	Study visit organized from 25 to 27 June 2018 in Athens, Greece. The report is being finalized.	2
ST-3	Visit to a site where combined ICZM – IWRM (including groundwater) is applied	Study visit organized in Buna - Bojan, Montenegro, 16-17 July 2018. The report has been finalized.	3
ST-4	Study Visit on industrial and hazardous wastes (Case of leachate treatment)	Study tour organized in June 2018 in Lebanon with focus on leachate management (ST-4) (in combination with the training EFH-LB-2)	2

SWIM-H2020 SM Regional Activities

Environment Component - **12** activities ongoing and **2** planned

Code	Activity	Description	Participants
REG-2	Promoting the role of green banking in supporting investments in the water sector, with the involvement of private banks	<ul style="list-style-type: none"> Regional training was integrated into the Conference on "Water Governance in the MENA Region and the Greater Mediterranean Region: Enhancing Integrity and Financing Water Security and Sustainable Development" organized on 12-14 December, 2017 in Barcelona, Spain. All material, presentations, workshop briefing note and agenda were uploaded to the project website 	1
REG-3 & P2P-5	In depth examination of the management schemes for wastes from food industry, particularly olive oil mills	<ul style="list-style-type: none"> The regional training was organized from 4 to 7 December 2017 in Athens, Greece. The report has been finalized. P2P-5 launched at the end of the REG-3 training and study tour "Sustainable Management of Olive Oil Mills" organised on 4-7 December 2017, in Athens, Greece. Exchange lessons learned (excellence, challenges and obstacles) regarding olive oil mills' waste management (and the olive oil sector in general). (Jordan, Lebanon and Egypt) Result: the organisation of a national workshop in Cairo on the 29th of September 2018 on the same issue. It was the initiative of the Egyptian Peer (Federation of Egyptian Industries (FEI)) together with the MoE and other olive oil stakeholders from the private sector. The experience of the Lebanese Peers was a contributor as was that of other Mediterranean countries such as Greece, Jordan, Syria, Spain. 	3 1

SWIM-H2020 SM Regional Activities

Environment Component - **12** activities ongoing and **2** planned

Code	Activity	Description	Participants
REG-10	Regional Training on Education for Sustainable Development (ESD)	<p>Regional training organized on 22-24 November 2017 in Nicosia, Cyprus. A joint meeting of parliamentarians, representatives of ministries and stakeholders also took place in the Cypriot Parliament.</p> <p>The report is developed and uploaded to the site.</p>	4
REG-12	Public participation/ Multi stakeholder dialogue involving Parliamentarians, Representatives of Media and CSOs	<p>Regional training entitled "Strengthening Stakeholder Engagement in Mediterranean Environment and Water Programs" held on 20-22 November in Nicosia, Cyprus. The main results were shared with the UfM Secretariat and the Horizon 2020 Steering Group.</p> <p>The report has been finalized and uploaded to the website.</p>	10

SWIM-H2020 SM Regional Activities

Environment Component - **12** activities ongoing and **2** planned

Code	Activity	Description	Participants
REG-15	Support for the implementation of the PCs' updated UNEP/MAP NAPs,	Regional Meeting on NAP Implementation "Lessons Learned and the Way Forward" co-organized by UNEP / MAP and SWIM-H2020 SM, 17-18 October 2016 in Marseille, France.	2
P2P-3	Peer-to-peer monitoring of marine litter (Algeria, Egypt and Morocco).	Peer-to-peer monitoring of marine litter (Algeria, Egypt and Morocco). This activity will also be supported by national activities dedicated to monitoring marine litter in Egypt, Algeria and Morocco under: EFH-EG-3: Alexandria (19-20 September 2017); EFH-MO-4: Tangier (October 19-20, 2017); EFH-DZ-4 and EFH-DZ-5: Algiers (7-8 November 2017). Egyptian Peers are very active and will participate in the upcoming REG-1.	1

SWIM-H2020 SM Regional Activities

Environment Component - **12** activities ongoing and **2** planned

Code	Activity	Description	Participants
REG-1 Planned	Overview of the developments in Europe and the Mediterranean (see relevant protocol) on Marine Litter monitoring. Correlations with policies dealing with the use of plastics (particularly plastic bags)	The training is scheduled to take place in Athens on 24 and 25 October (combined with another EU funded project, ACT4Litter). Invitations for candidates were sent out in late August. Links to national activities in Algeria, Egypt and Morocco are established, as well as with P2P-3 and WEB-2. Links also with other regional projects on marine litter.	4
REG-9 Planned	Fostering a switch to Green Economy in the Mediterranean: Capacity building for SMEs and Policy makers on eco-design, eco innovation and enabling policies	This regional workshop is scheduled to be held in Barcelona from November to December. The proposed title is "Fostering the transition to a green economy in the Mediterranean: building the capacity of SMEs and decision makers in eco-design, environmental innovation and enabling policies.	4

SWIM-H2020 SM Expert Facility: Water Component - 2 activities in Egypt (merged in 1 ToR)

EFS-EG-1: Improved Watershed Management (decentralized level), local governance and capacity building

Description of the activity	Status	%
<p>Overall: Contribute to the development of the Governorate Water Resources Management Plans</p> <ol style="list-style-type: none"> Develop a common typology/ classification and guidelines for estimating, monitoring & reporting water uses at the decentralized level. Calculation of the water balance and unmet demand in Menofia and Red Sea Governorates, and organization of a GIS database. Options to reduce unmet demand in the domestic sector, as input to the Governorate Water Resources Management Plans (Menofia, Red Sea) - participatory (2 Consultation Workshops). Training Workshops (2) on planning and infrastructure development. Training workshop in a third Governorate (to be selected), for sharing of experience gained. 	<ol style="list-style-type: none"> A Manual on Water Use (typology, definitions, methodologies for estimating water demand, guidelines for monitoring, reporting and assessment of water uses, etc.) is under finalization. It will be discussed in the Consultation workshops to get stakeholders' feedback and will be finalized after that. The calculation of the water balance and estimation of unmet demand in 2 the pilot Governorates of Menofia and Red Sea has significant delays, since no data have been made available yet to the SWIM experts. 2 Consultation Workshops planned for mid-October-November (Concept Note and Agenda prepared). Dates need to be agreed. 2 Training Workshops planned for mid-October-November (Concept Note and Agenda prepared). Dates need to be agreed. Must define which Governorate, and dates of the venue. 	<p>40%</p>



SWIM-H2020 SM Expert Facility: Water Component - 2 activities in Egypt (merged in 1 ToR)

EFS-EG-2: Drought and Water Scarcity Risk Management

Description of the activity	Status	%
<p>Capacity building on methods of water conservation and efficiency supporting water demand management:</p> <ul style="list-style-type: none"> - Develop a training compendium addressing pertinent stakeholders - Conduct two (2) Training Workshop in Menofia and Red Sea pilot Governorates 	<p>The training compendium is finalized, including the following modules:</p> <ul style="list-style-type: none"> ▪ Water conservation and water use efficiency technologies and practices in buildings (residential, commercial, hotels, etc.) ▪ Water conservation and water use efficiency technologies and practices in industries ▪ Instruments, tools and calculators for water conservation and efficiency. <p>A training session will be held in the CWW (on 16/10/2018)</p> <p>Two (2) trainings in the Menofia and Red Sea Governorates (October- November most likely). The concept note and agenda of the 2 trainings have been prepared and sent to the NFP.</p>	<p>90%</p>

SWIM-H2020 SM Regional Activities: Water Component - **11** activities in Egypt

Code	Activity	Description	Participants
REG-4	Regulatory and organizational issues of decentralized water management , dealing also with drafting and implementation of management plans at sub-national level and the role/importance of Information Management in Water Resources Planning and Management at the local level	The stakeholders were introduced to the concepts and approaches of the Water Framework Directive as an instrument applied in Europe to promote decentralized water management (DcWM). Dialogue and exchanges.	4
REG-5		The stakeholders were introduced to the (a) basic principles of public participation and effective public engagement processes; (b) the data requirements for River Basin Management Plan (RBMP); and (c) the concept of groundwater bodies as unit for water management and protection at the local level.	5
ST-5		Through the study tour, the participants were able to learn from the experience of the public institutions in Austria, which offer good examples on decentralized water management. Inside view on the tasks of various water managing institutions in implementing surface and groundwater quality protections measures in agricultural areas, decentralised water supply and wastewater treatment in rural areas of Austria.	5

SWIM-H2020 SM Regional Activities: Water Component - 11 activities in Egypt

Code	Activity	Description	Participants
REG-6	Different technical and regulatory aspects of Drought Risk Management	The stakeholders were introduced to the concepts of proactive Drought Risk Management (DRM) and DRM mainstreaming and were engaged in the design of further regional activities under the same topic.	4
REG-7	Regional Training on Drought Risk Analysis and Mapping	The stakeholders were introduced to different types of drought indicators, and improved their technical capacity on the development and analysis of indicators (in support of decision-making) and drought risk mapping.	5
ST-6		The stakeholders were introduced to good practices / measures for drought risk management in the Segura River Basin in Spain.	5
		An Egyptian expert (peer) is participating in technical exchanges focused on the monitoring and mapping of drought risk with three other Tunisian, Jordanian and Palestinian peers and a Greek expert. Critical issues and points common to all counterpart countries have recently been agreed, with emphasis on the institutional aspects of drought monitoring and management, based on the experience of Greece.	1
P2P-9			
WEB-4		Webinar on monitoring and mapping of drought risks involving the peer designated by Egypt.	1

SWIM-H2020 SM Regional Activities:

Water Component - 11 activities in Egypt

Code	Activity	Description	Participants
P2P-7	Groundwater zone protection and groundwater body delineation	1 Specialised expert (Peer) from Egypt is participating in technical exchanges on Groundwater zone protection and groundwater body delineation with another peer from Palestine and a specialised expert from Austria. The technical exchange focuses on the principles for groundwater protection against pollution based on existing guidance documents and experiences with the European Water Framework Directive 2000/60/EU (WFD) and the Groundwater Directive 2006/118/EU (GWD).	1
REG-8	Regional Training on Technical, Regulatory and Cultural aspects of Treated Wastewater Reuse	Reinforced knowledge on the guidelines and standards to be applied to ensure safe reuse in the different types of use Increased competence in governance arrangements for the wastewater reuse sub-sector through, e.g. options for covering investment and operating costs, institutional arrangements, public-private partnerships, etc.	4
REG-11	Reviewing good governance schemes with emphasis on the implementation and enforcement of legislation , needed regulatory reforms and introduction of appropriate incentives	Participants gained a better understanding of the key principles, elements and benefits of good governance, with a focus on the regulatory framework. They have been familiarised with approaches and methods for effective policy design, monitoring and evaluation, including the DPSIR framework (Drivers, Pressure, Status, Impact and Response), Strategic Environmental Assessment (SEA) and environmental audit.	4

SWIM-H2020 SM

For further information

Website

www.swim-h2020.eu

info@swim-h2020.eu

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Thank you for your attention.

This Project is funded by the European Union

