

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 Israel Implementing the Israel work programme

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SWIM-H2020 SM National Meeting: Israel
Supporting sustainable water resources and a clean environment in the Mediterranean region
Tel Aviv, 18 December 2018

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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;

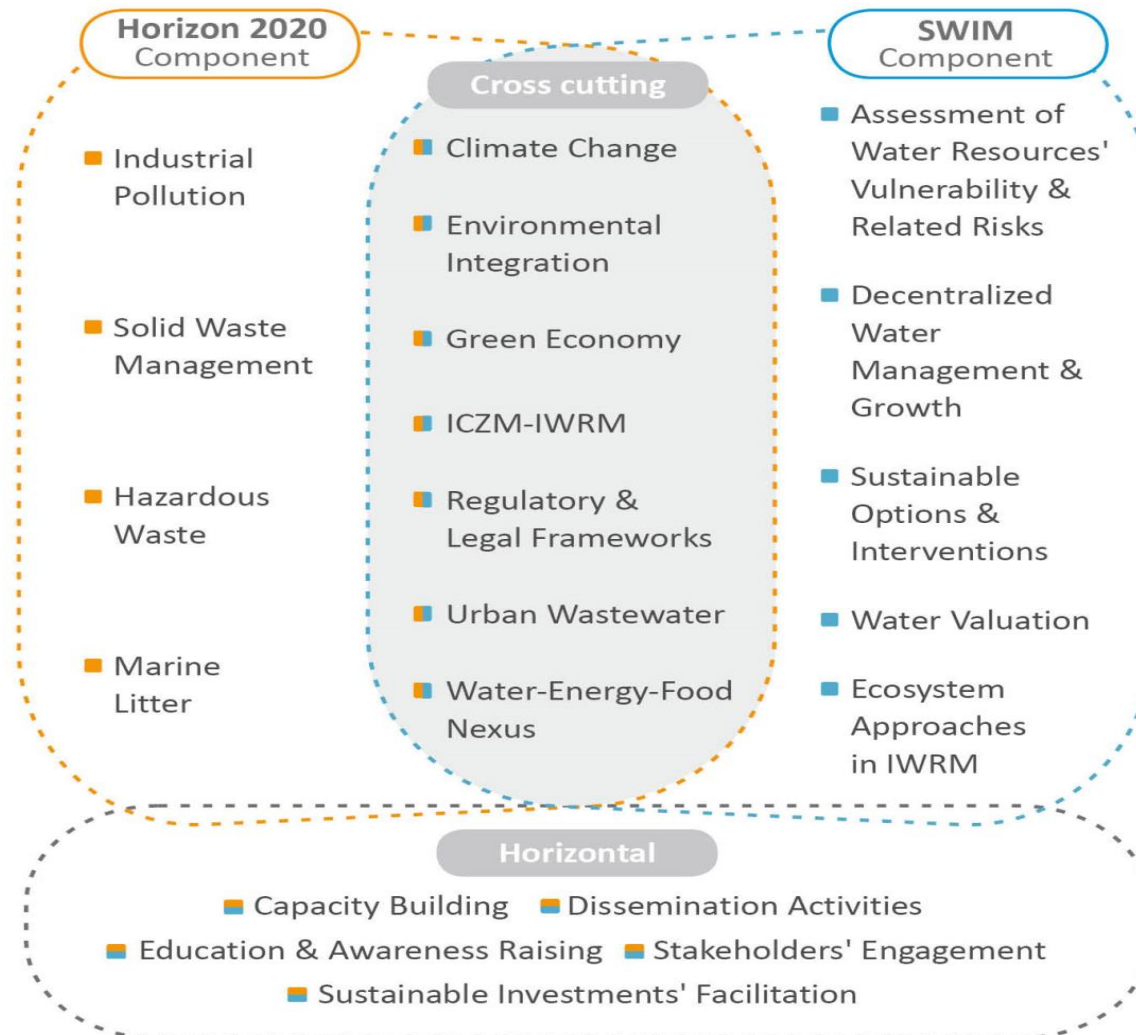
Facilitation of access to finance for selected sustainable investment projects;

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



GLOBE ONE LTD



SWIM-H2020 SM in Numbers

The Project in Numbers

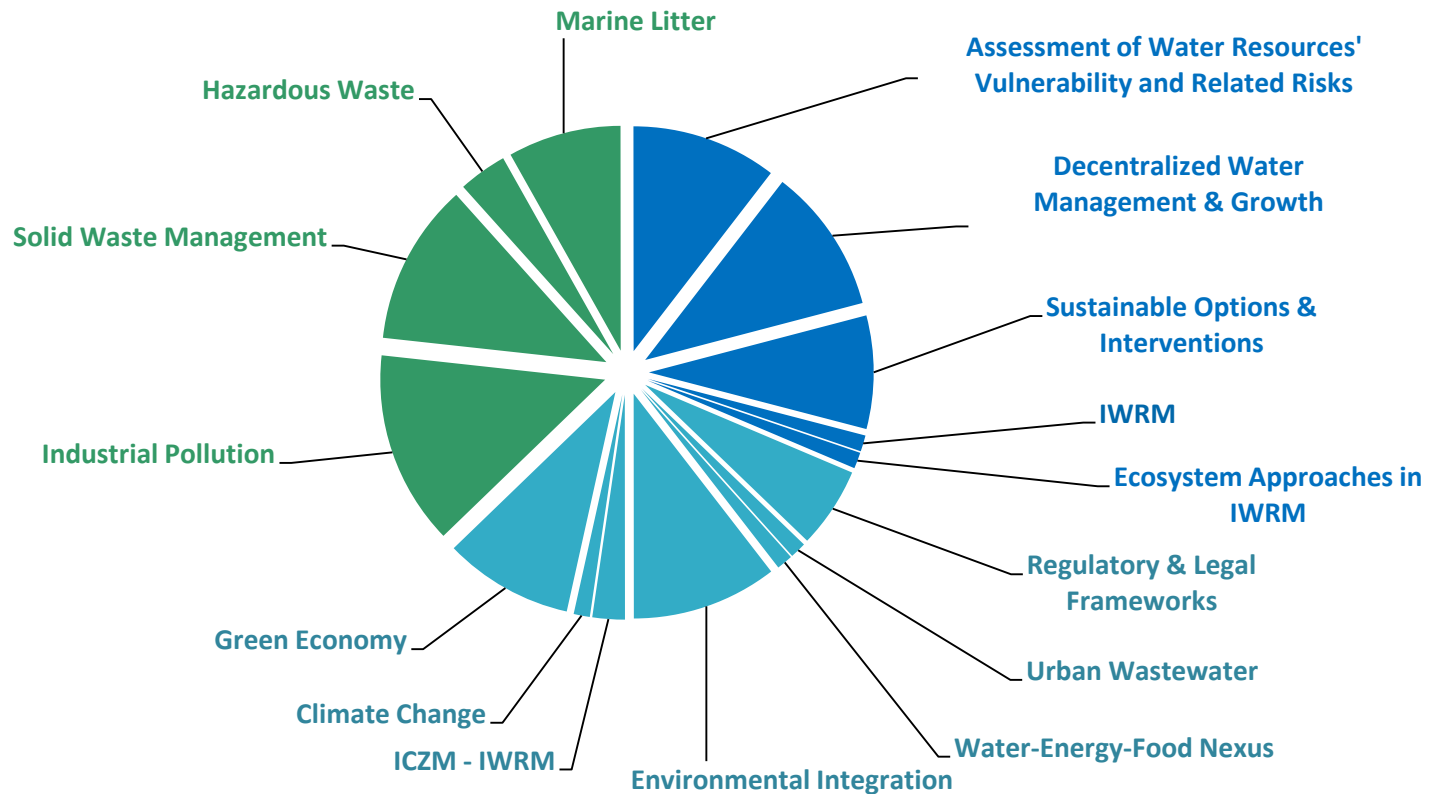
1	Support Mechanism
2	Components (SWIM and Horizon 2020)
8	Partner (Beneficiaries) Countries (active)
19	Major Synergies
14	Consortium Partners
39	Months (2016-2019)
6.705.250	Euros Budget
21	Themes
Over 100	Activities out of which 50 are National and 35 (sub) Regional and other meetings with participation 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

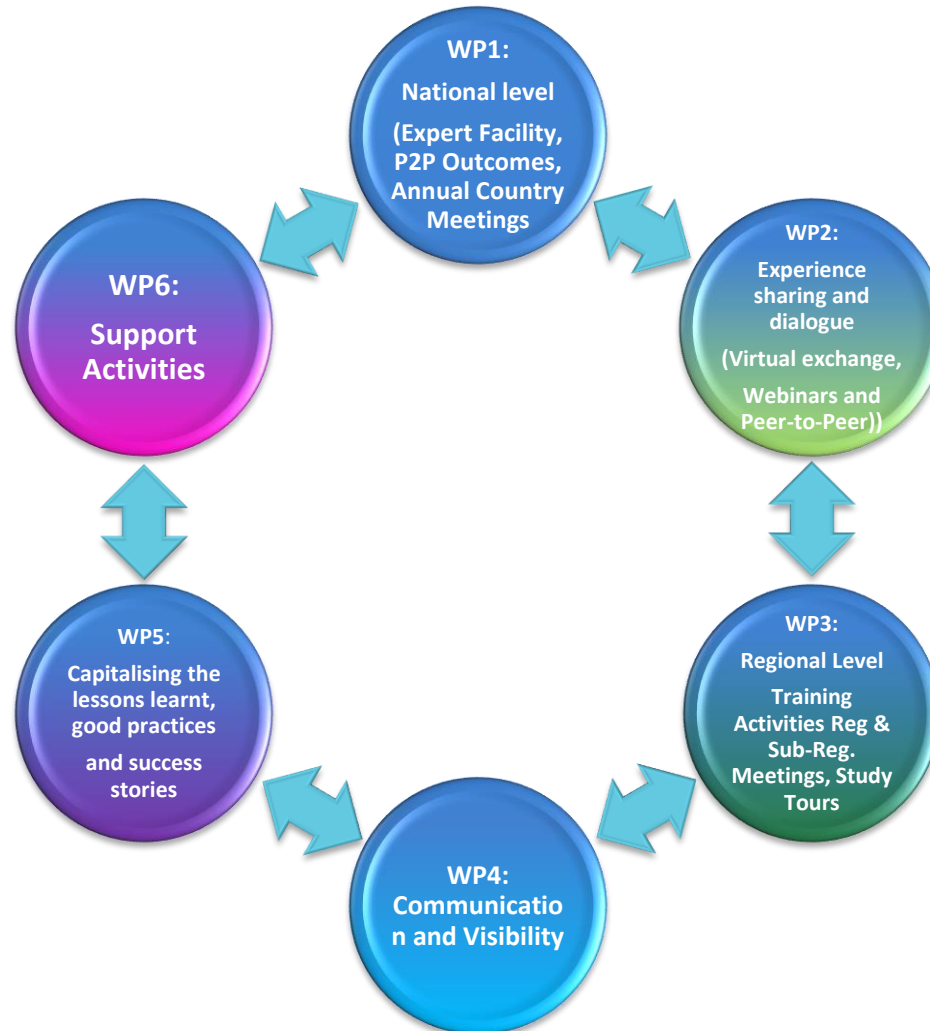
SWIM Themes



Cross-Cutting H2020/SWIM Themes

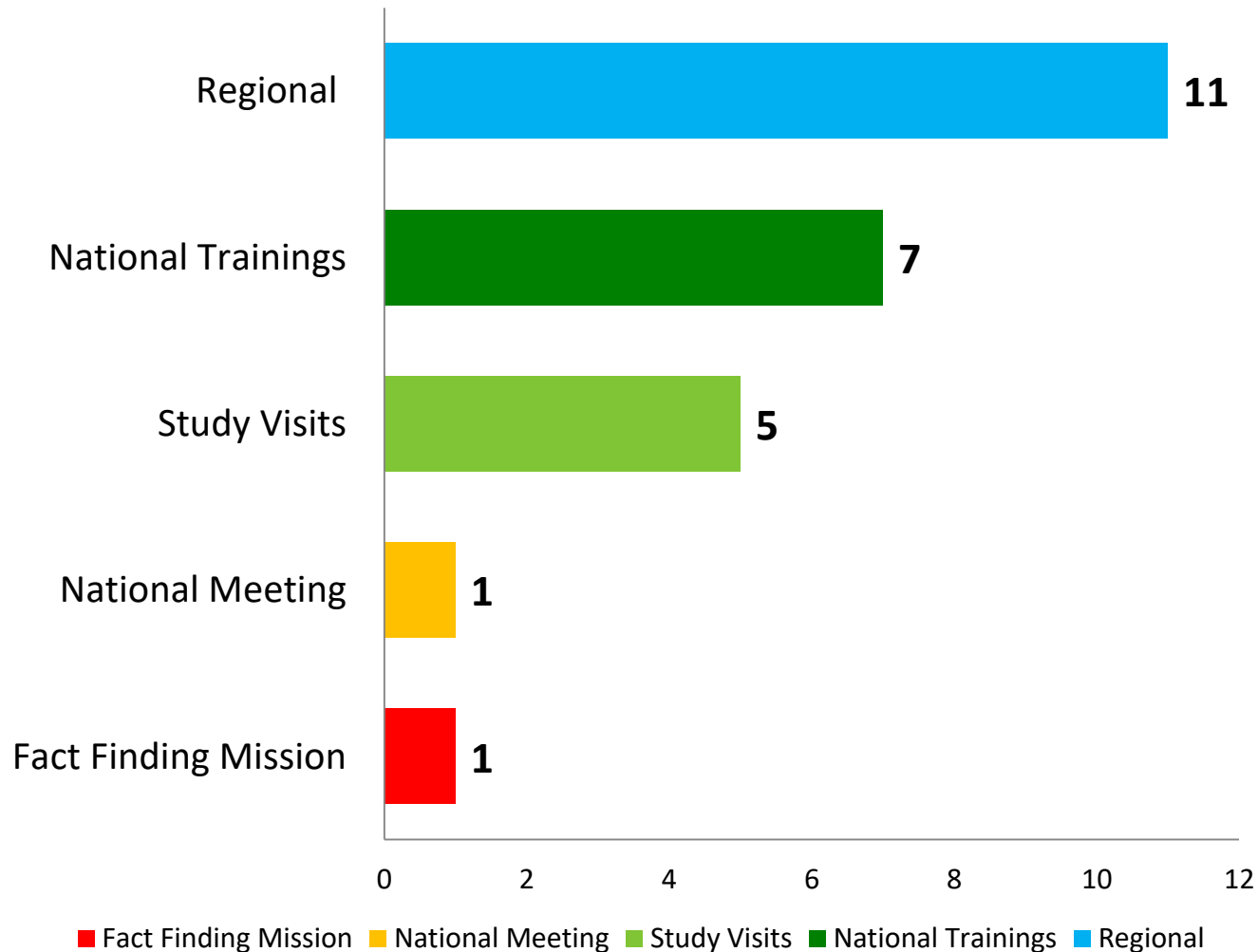
SWIM and Horizon 2020 Support Mechanism at a glance

Structure



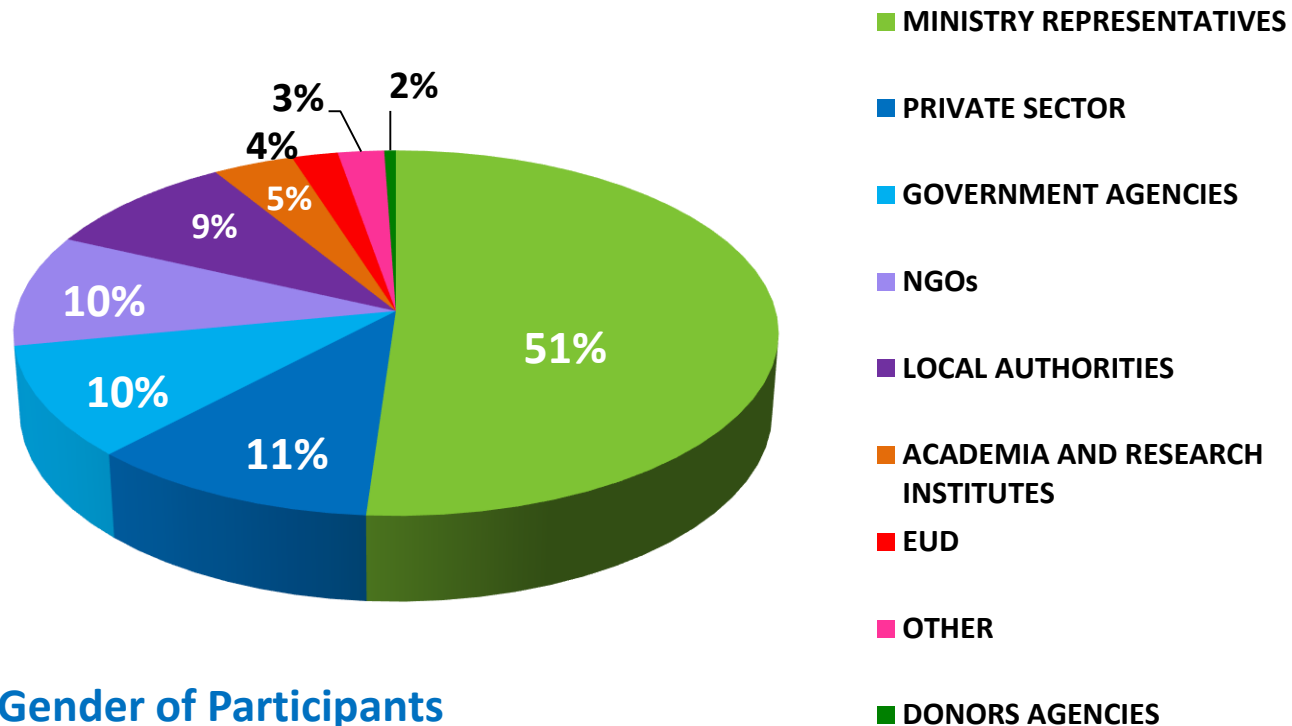
Stakeholder Engagement

**182+ participations from Israel
in the Project's Activities to date**

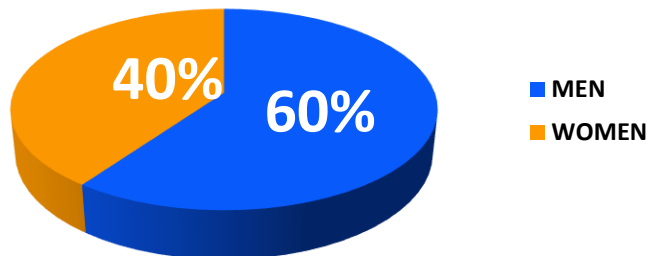


Stakeholder Engagement

Type of Institutions



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 - 5 activities in Israel

EFH-IL-1 : Green and circular public procurement in central and local government in Israel, through policy development and capacity building for manufacturers and procurers

Description of the activity/ Status	%
<p>The purpose of the activity was to support the on-going efforts of Israel to accelerate green procurement and green economy in general.</p> <p>A first mission was carried out on 23-25 July 2017, including meetings with various stakeholders, on the findings of which the Non-Key Expert submitted the proposed next steps (including a second mission).</p> <p>In the summer of 2018 it was jointly decided to allocate the remaining expert days to other on-going activities as the timing for the deepening of the activity was not optimal.</p>	Reallocated/ considered concluded

SWIM-H2020 SM Expert Facility: Environment Component - 5 activities in Israel

EFH-IL-2: Support on olive oil mills' waste - Regulation and methods

Description of the activity	Status	%
<p>This activity is the continuation of a previous activity under H2020 CB/MEP program. It supported the ongoing Greece-Cyprus-Israel trilateral cooperation in the field of water management and wastewater treatment. The aim was to support the on-going efforts of Israel on:</p> <ul style="list-style-type: none"> - the development of regulatory and methodological approaches for the treatment of olive oil mills waste. - the development of a national policy - the prevention of pollution of WWTP and streams from olive oil mills 	<ul style="list-style-type: none"> - A mission of Greek and Cypriot experts to Israel was organised on 5-7 November 2017 with site visits to various olive mills and meetings with stakeholders. - The mission report (submitted on the 13th of December 2017) was approved while the Recommendations report was submitted in January 2018 to the MoEP. - This activity was closely linked with a relevant regional training that also took place in late 2018 (Athens, Greece). Extra participants from Israel joined. 	<p>100% (completed)</p>

SWIM-H2020 SM Expert Facility: Environment Component - 5 activities in Israel

EFH-IL-3: Support for plastic waste management and recycling

Description of the activity	Status	%
<p>The activity was dedicated to plastic waste management and recycling. The aim was to identify key barriers and potential solutions and contribute to the definition of the key axes for a Plastic Waste Strategy for Israel.</p>	<ul style="list-style-type: none"> - The project conducted an assessment of the plastic recycling and recovery market in Israel in 2017 and it contributed through its Recommendations paper (submitted and approved by Israel in December 2017) to the relevant Strategy. The recommendations are uploaded on the project website. - A two days' workshop with stakeholders including examination of the impact of plastic waste on the marine environment took place on 23-24 July. - A third TA mission took place on 5-6 December 2018 (combined with a mission for the fifth activity on Construction and Demolition Waste - EFH-IL-5). 	<p>90%</p>

SWIM-H2020 SM Expert Facility: Environment Component - 5 activities in Israel

EFH-IL-4: Support for the preparation of guidelines for best practice for glass recycling schemes: assessment of technical and economic aspects of glass waste sorting and recycling

Description of the activity	Status	%
<p>The main objective of the proposed activity was to provide an assessment of technical, legislative and economic aspects of the glass sorting and recycling industry for the purpose of enhancing the utilization of recycled glass in Israel, especially in national infrastructures (i.e. roads and railroads).</p>	<ul style="list-style-type: none"> - A mission took place in 2017 and soon after, the final deliverable, a Recommendations paper based on the project's assessment of technical and economic aspects of glass waste sorting and recycling in the country, was approved in November 2017. - EU practices and lessons learned guided the process, while the activity is closely linked with other on-going efforts of the Ministry of Environmental Protection of Israel (Twining project). - Glass is targeted also under EFH-IL-5 on C&D waste (mission in January) (see next slide). 	<p>100% (completed) Linked to on-going EFH-IL-5</p>

SWIM-H2020 SM Expert Facility: Environment Component - 5 activities in Israel

EFH-IL-5: Assistance in introducing Construction and Demolition (C&D) waste management, e.g. on: (a) Regulation and enforcement; (b) Collection systems operated by local authorities; (c) Incentives for the reuse and recycling of materials (C & D); (d) Integration of recycling facilities and infrastructure in active quarries; (e) Recycling facilities in city centers – infrastructure, management and health/well-being

Description of the activity	Status	%
<p>The main objective of the activity was to assist the MoEP in implementing the forthcoming amendment of the Cleanliness Law of Israel for better addressing the treatment of Construction and Demolition waste in Local Authorities, to strengthen the market's capacity to increase the use of C&D recycled materials and to create positive changes in C&D waste management in populated urban areas in Israel.</p>	<ul style="list-style-type: none"> - The relevant ToR was finalized at the end of September 2018 and approved by the EC on the 4th of October. - The first mission took place on 4-5 December 2018 which included a roundtable with various stakeholders and site visits. Learning from the EU experience was at the core of the mission. - A follow-up activity will take place in January 2019. 	<p>70%</p>

SWIM-H2020 SM Regional Activities

Environment Component – 9 activities

Code	Activity	Description
ST-1	Study Visit on Construction and demolition waste	Study visit on construction and demolition waste organized in September 2017 in Belgium. The report is on the project website.
REG-1	Overview of the developments in Europe and the Mediterranean on Marine Litter monitoring. Correlations with policies dealing with the use of plastics (particularly plastic bags)	<p>Training was organized in Athens on 24 and 25 October combined with another EU funded project, ACT4Litter.</p> <p>Links are established with other regional processes in particular under UN Environment/MAP and projects on marine litter. The report is under finalization.</p>
ST-2	Visit to different types of state-of-the-art Sludge Management Systems (focusing on possibilities and conditions for utilization/different energy and agriculture applications)	Study visit was organized from 25 to 27 June 2018 in Athens, Greece. The report is on the project website.

SWIM-H2020 SM Regional Activities

Environment Component - 9 activities

Code	Activity	Description
ST-3	Visit to a site where combined ICZM – IWRM (including groundwater) is applied	Study visit organized in Buna - Bojana, Montenegro, 16-17 July 2018. The report is uploaded on the project website.
REG-2	Promoting the role of green banking in supporting investments in the water sector, particularly 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.
REG-3	In depth examination of the management schemes for wastes from food industry, particularly olive oil mills	The regional training was organized from 4 to 7 December 2017 in Greece and Peloponnese. The report has been finalized.

SWIM-H2020 SM Regional Activities

Environment Component - 9 activities

Code	Activity	Description
REG-9	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 took place in Barcelona on December 11-13, 2018. It focused on designing circular economy strategies in the food and beverage packaging sector.
REG-10	Regional Training on Education for Sustainable Development (ESD)	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. The report is developed and uploaded to the site.
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.

SWIM-H2020 SM Expert Facility:

Water Component - 1 activity in Israel with 2 components

EFS-IL-1: Support stream rehabilitation, river restoration: definition of ecological flows, definition of regulation/ criteria to determine good chemical and ecological status, and related methods

Description of the activity	Status	%
<p><u>Component 1: Stream rehabilitation and restoration:</u> Aim: assist the Israeli Ministry of Environment Protection in its plans to develop a community based program for "adoption of a stream" in order to help keep the stream clean and educate the public about the importance of viable streams.</p>	<ul style="list-style-type: none"> - Organised a workshop in Dec 2017 to introduce the relevant Stakeholders to the streams' values and functions, the impact of non-point source pollution on the streams and the role that the communities can play in maintaining/rehabilitation; based on existing models for "adoption of a stream" applied in different countries mostly from South Europe. - Proposed a model for the public involvement in preservation/rehabilitation/monitoring/development and maintenance of selected streams - Proposed list of actions for the initiation of an "Adoption of a stream" programme with a view to the outcomes of the workshop, and against the background of existing river restoration initiatives in Israel and the main challenges that the country faces in involving stakeholders in such initiatives 	<p>100%</p>

SWIM-H2020 SM Expert Facility:

Water Component - 1 activity in Israel with 2 components

EFS-IL-1: Support stream rehabilitation, river restoration: definition of ecological flows, definition of regulation/ criteria to determine good chemical and ecological status, and related methods”.

Description of the activity	Status	%
<p>Component 2: Monitoring non-point source pollution: Aim: build the capacities of relevant authorities in the development and implementation of plans for monitoring NPS pollutants in streams, the determination of indicators/thresholds and introduction to IT and other technologies such as the use of RS, aerial photography, drones and others.</p>	<ul style="list-style-type: none">- Prepared a training manual to be used as a reference for the development of plans for monitoring non-point source pollution.- Conducted a training targeting the MoEP's and other stakeholders on the development of plans for monitoring non-point source pollution and the related regulations and enforcement tools.- Developed an investigative monitoring plan for the kishon river, and integrated it as part of the training manual	95%



SWIM-H2020 SM Regional Activities:

Water Component - 9 activities in Israel

Code	Activity	Description
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.
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.
ST-5		learn from the experience of the public institutions in Austria, which offer good examples on DcWM. Get inside view on the tasks of various water managing institutions in implementing SW & GW quality protections measures in agricultural areas, decentralised water supply and wastewater treatment in rural areas of Austria.
P2P 8		1 specialised expert (Peer) from Israel participated in focused technical exchanges on "Flood risk management at the local level, flood protection" (another type of training) with a specialised expert from Greece, selected by the project

SWIM-H2020 SM Regional Activities: Water Component - 9 activities in Israel

Code	Activity	Description
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.
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.
ST-6		The stakeholders were introduced to good practices / measures for drought risk management in the Segura River Basin in Spain.

SWIM-H2020 SM Regional Activities:

Water Component – 9 activities in Israel

Code	Activity	Description
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.
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.

SWIM-H2020 SM

For further information

Website

www.swim-h2020.eu

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Thank you for your attention.

This Project is funded by the European Union

