

# 13th Meeting of the UfM Water Expert Group

7-8 June 2023, Rabat, Morocco



**Water and  
Environment Support**  
in the ENI Southern Neighbourhood region

## Session 5

Review of the contributions of the financial partners

## The contribution of the WES project

Presented by: Professor Michael Scoullas, WES Team Leader

# WES Identity



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Facts & Figures	
Partner Countries:	Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine and Tunisia
Main WES Project value:	9, 5 M Euros
DEMO WES projects value	7,5 M Euros
Duration:	May 2019 – November 2024 (66 months)
Project team:	<b>Team Leader:</b> Professor Michael Scoulllos, <a href="mailto:scoulllos@wes-med.eu">scoulllos@wes-med.eu</a> <b>Water Expert:</b> Ms Suzan Taha, <a href="mailto:taha@wes-med.eu">taha@wes-med.eu</a> <b>Environment Expert:</b> Mr. Anis Ismail, <a href="mailto:a.ismail@wes-med.eu">a.ismail@wes-med.eu</a> <b>Communication &amp; Networking Expert:</b> Ms Lisa Papadogeorgaki, <a href="mailto:lpa@ldk.gr">lpa@ldk.gr</a> <b>Stakeholder Engagement Expert:</b> Dr. Emad Adly, <a href="mailto:wes.gc@raednetwork.org">wes.gc@raednetwork.org</a>



# WES objectives and goals



- WES aims at protecting the environment and improving the management of scarce water resources in the Mediterranean.
- It strives to address the country needs for creating the enabling environment and enhancing the capacities of stakeholders in the Partner Countries (PCs) to tackle problems related to pollution prevention and water use efficiency.
- It promotes pilot activities, disseminates good practices and the results of the WES Demo Water Projects.

WES capitalises on previous successful EU funded regional projects running since 2009 (Horizon 2020 CB/MEP; SWIM SM; SWIM-Horizon 2020 SM).



# Modes of operation

- (a) by enhancing **understanding** and clarifying with all stakeholders the relevant advanced “concepts” and governance approaches (e.g. access to Aarhus Convention);
- (b) by taking into account the related **EU policies, priorities and guidelines**;
- (c) by **responding to the requests of the Partner Countries and the priorities of the regional institutional partners** (UfM and UNEP/MAP-MCSD), addressing them not as isolated issues, but as components of the WEF Nexus and Source to Sea Approach and the overall process towards achieving the SDGs and Sustainable Development, in general.
- (d) by providing **platforms** for development of cooperation and synergies among Ministries, agencies, projects and stakeholders, through the organization of **National Stakeholder Meetings**.



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# WES Activities' Overview

Technical Assistance, Capacity Building, Enhancement of Enabling conditions, at:


## Regional level:

- Around **20 Regional Activities** on major water and environment issues such as **Trainings/Workshops, Study Visits** to European and Southern Mediterranean countries, **Webinars** and coached **Peer-to-Peer exchanges**.
- **+3 Regional Activities on plastic pollution** (environment)

## National Level:

- Around **4 National Activities** (2 on water and 2 on environment) **per Partner Country**
- **+ Activities on plastic pollution** (environment)
- **National WES Meetings:** collaboration platforms to assess progress, plan next steps, enhance synergies with other programs/ projects, etc.

**Also a component on supporting a set of Demonstration Projects on Water**

Role of WES:   
to monitor and disseminate innovative approaches and successful practices in the field of efficient use of water.



# Regional & Horizontal activities

## C2: Water



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Activity	Training/ Capacity Building	Study tour	P2P	Status in 2023
<b>RW-1-REG:</b> 1st Regional Roundtable on WEFE Nexus in the Mediterranean	x			Completed successfully
<b>RW-2-REG:</b> Training on water accounting	x			Completed successfully
<b>RW-3-REG / RW-3-P2P :</b> Capacity building on Water demand management (WDM)	x		x	Completed successfully
<b>RW-4-REG / RW-4-P2P :</b> CB on NCWR focusing on water harvesting	x		x	Completed successfully
<b>RW-5-REG / RW-5-ST:</b> CB on WWT for reuse	x	(x)		Completed successfully
<b>RW-6-REG / RW-6-ST / RW-6-P2P:</b> Training on Non-Revenue Water in addition to a study tour	x	x	x	Training completed successfully/P2P on-going
<b>RW-7-REG / RW-7-ST:</b> Study tour and training(s) of WUAs on optimal irrigation management and practices for improved irrigation efficiency and soil fertility	x	x		12-16 June, Bari, Italy
<b>HW-1-REG / HW-1-P2P:</b> Capacity building on PPP, green/blue economy entrepreneurship and banking for the water/wastewater sector	x		x	Planned for 2024
<b>Sub-total</b>	<b>8</b>	<b>3</b>	<b>4</b>	
<b>Total</b>	<b>16 activities</b>			





# National activities

## Progress to date

### C2: Water



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Activity title / Status	ToRs not started yet	ToRs under development	ToRs Approved	Status 2023
N-W-DZ-1: Diagnosis for the performance of NRW in a pilot utility and develop a plan for improvements			✓	Ongoing
N-W-DZ-2: Potential of Water use efficiency & water saving in domestic water			✓	Ongoing
N-W-EG-1: Strengthen the water utilities capacities to manage/reduce NRW			✓	Ongoing
N-W-EG-2: PPP for the banking system to improve irrigation network management and efficiency			✓	Ongoing
N-W-IL-1: Evaluation of new methods to reduce the cross subsidies in the agricultural water tariff in Israel			✓	Ongoing
N-W-IL-2: Storm water management and Natural Water Retention Measures (NWRM)			✓	Ongoing
N-W-JO-1: Elaboration of non-revenue water policy for Jordan			✓	Ongoing
N-W-JO-2: Explore the potential of NWRM at the catchment scale			✓	Ongoing
N-W-LB-1: Explore the potential of Natural Water Retention Measures	One New activity – <i>eventually cancelled</i>			
N-W-LB-2: CB on WWTPs / Replaced with National plan for sludge management and treatment				
N-W-MO-1: Support WDM in relation to water scarcity			✓	Ongoing
N-W-MO-2: Elaboration of strategies for cost recovery, and development of tools for the evaluations of costs			✓	Completed
N-W-PS-1: Design actions for improved water billing & fees collection			✓	Ongoing
N-W-PS-2: CB of pilot farmers' associations and communities on optimal irrigation management			✓	Ongoing
N-W-TN-1: Improving the efficiency of water use in agriculture			✓	Ongoing
N-W-TN-2: Reservoir Sedimentation Hazard and Mitigation Measures towards Sustainability in Tunisia			✓	Ongoing
<b>Total</b>	<b>0</b>	<b>0</b>	<b>14</b>	



# WES Demos on Water Use Efficiency

## C2: Water



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Project name	Lead applicant	Aim	Country	Duration months	Budget EUR
Gaza H2.0: Innovation and water efficiency.	We World – GVC Onlus	<b>Reduce water losses in the supply system of Khan Younis Municipalities in the Gaza Strip. → Increase the availability of water through the application of sensor- and analytic-based approaches and improve the water resources management through Smart Water Networks pilots</b>	Palestine (Gaza Strip)	09/2023	1.25M
Enhance the resilience of vulnerable communities through efficient water solutions and addressing climate change in the Eastern area of Khan Younis in the Gaza Strip	Stichting Oxfam Novib	Strengthen water resource management through an <b>innovative water management model for agriculture</b> in the Gaza Strip. → implement a new Treated Wastewater Re-use (TWWR) system linked to recovery wells around the TWWR infiltration basin. Disseminate <b>smart agriculture best practices adapted to the Climate Change</b>	Palestine (Gaza Strip)	07/2023	1.25M
WISPER – Efficient Innovative Solutions Portfolio for Enhancing Resilience	ICU (Istituto per la Cooperazione Universitaria)	<b>Identify, test and showcase a portfolio of innovative technical and institutional solutions</b> , at different maturity stages, related to the efficient use of water	Jordan Tunisia	10/2023	1.25M
ValEUR Gabes: Valorisation of urban water through innovative actions and instruments	Area Metropolitana de Barcelona (AMB)	Develop the capacity of Tunisian cities to cope with the impacts of climate change by <b>using rainwater in urban areas</b> . Demo activities will be carried out at the level of the city of Gabes and broadcasted in Tunisia and in other similar contexts in the region.	Tunisia (city of Gabes)	07/2023	0.79M
Promotion of integrated water resource management in an oasis environment: Oasis of Ferkla and Aguinane	Association des Enseignants des Sciences de la Vie et de la Terre au Maroc (AESVT)	Promote innovative approach to <b>the efficient and sustainable management of water resources in an environment of climate change</b> through the deployment of <b>two pilot cases of integration of the principles of Integrated Water Resources Management</b> in territorial strategic planning for the <b>oasis</b> of Ferkla and Aguinane	Morocco	10/2023	0.82M
Saving Water, Growing Cops: Remote-controlled irrigation systems to address water scarcity and promote preservation of available freshwater resources	OIKOS	The project aims at promoting the transfer and adoption of the <b>precision irrigation solution on water-use efficiency linked to sustainable irrigation and crop production</b> in the Shouf Biosphere Reserve.	Lebanon	08/2023	1.23M



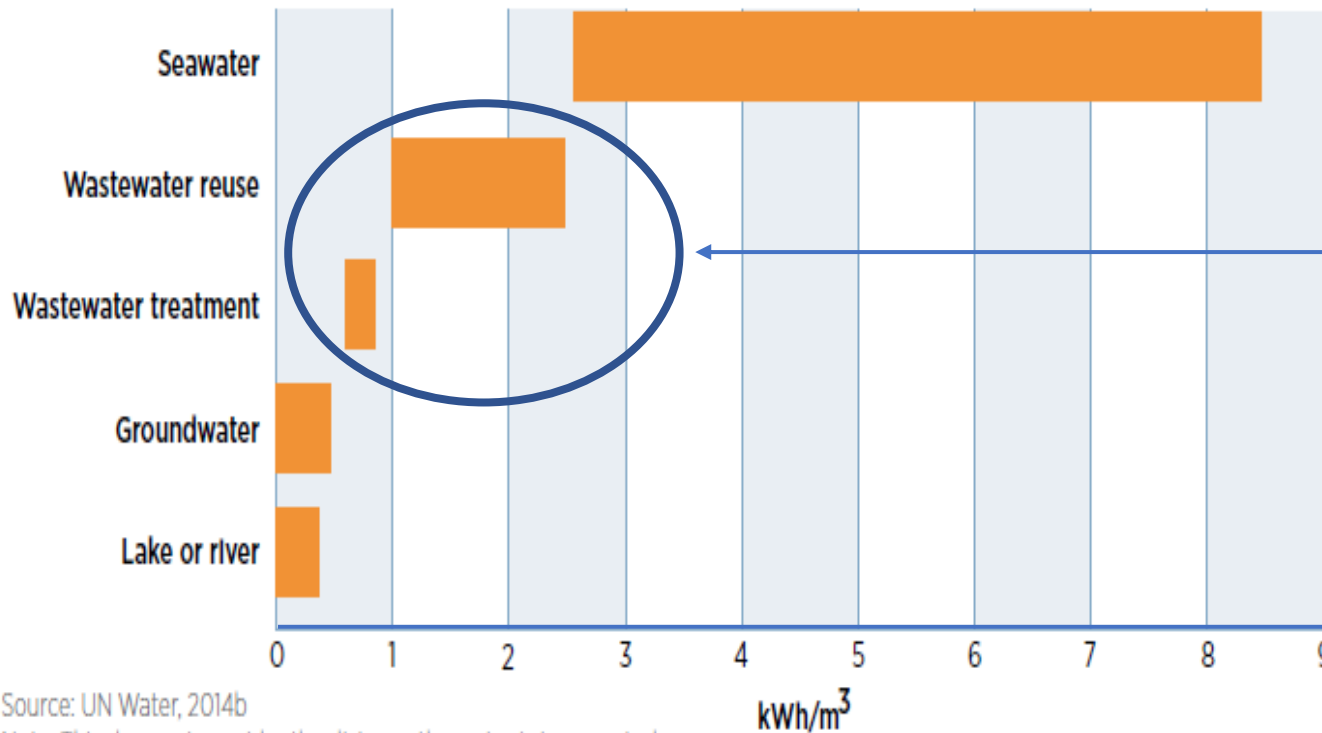


# Promoting EU principles and regional priorities on Water & Energy



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Amount of Energy required to provide 1 m<sup>3</sup> of Water that is safe for human consumption



**WES emphasis: prioritizing low energy solutions**

**Reuse and protection of water resources NCWR-IWRM**

**Nature Based Solutions**

**water economy**

Source: UN Water, 2014b

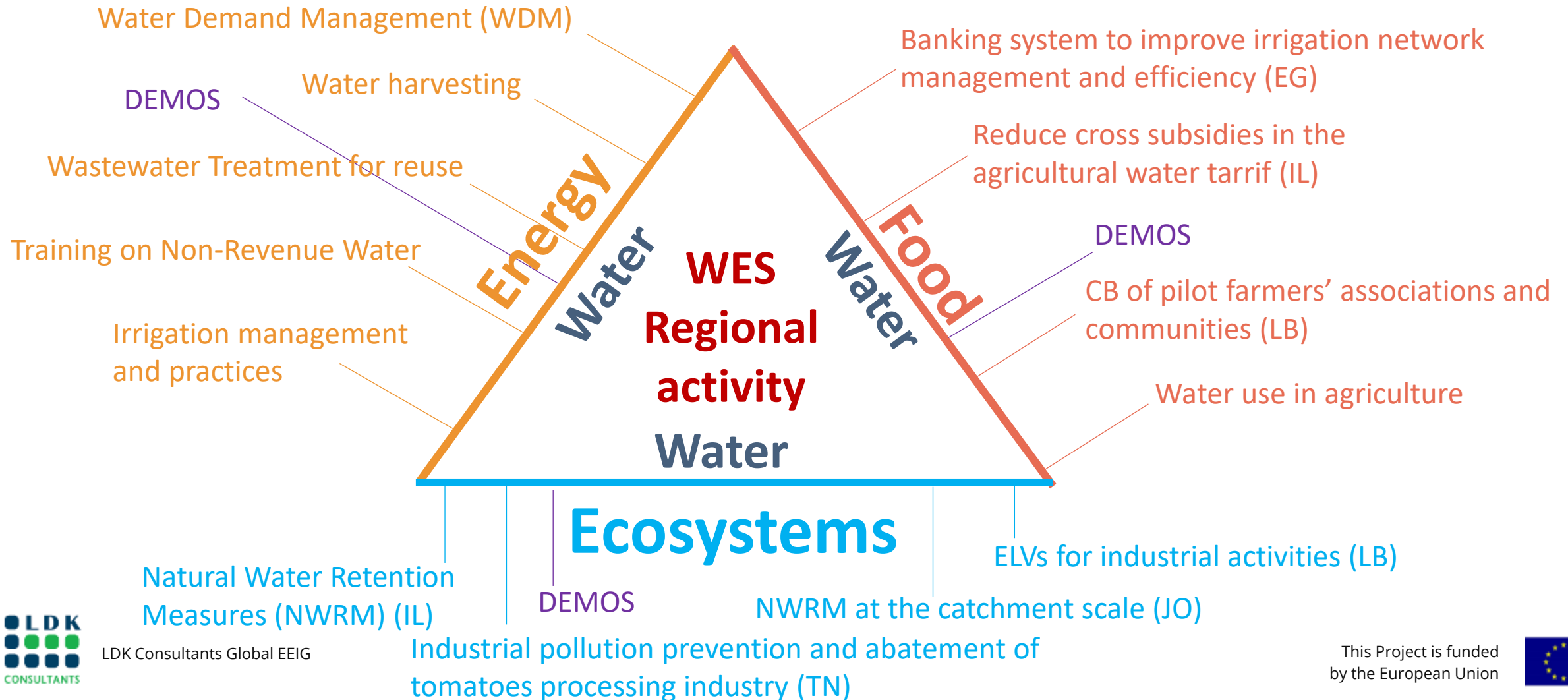
Note: This does not consider the distance the water is transported

# WES approaching integration, working on water “interfaces” with energy, food and ecosystems:



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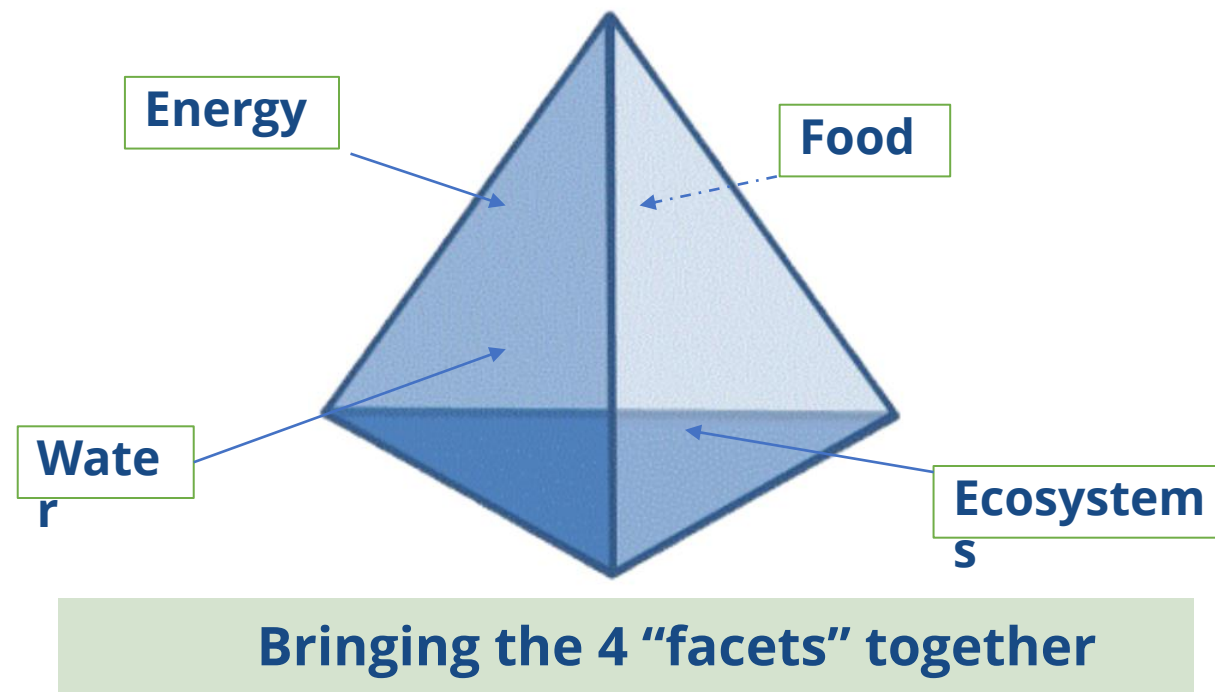
WES Regional and National activities related to WEF E and S2S



# The WES Regional activity RW-1-REG, on WEFE



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The WES Regional activity (RW-1-REG, Regional Training on WEFE) promotes the objectives of WES and the EU, in synergy with the goals of UfM, UNEP/MAP and MCSD, and GWP-Med.







Thank you  
for your attention  
and keep up with  
our latest news!

**WES-MED.EU**

