



Water and Environment Support

in the ENI Southern Neighbourhood region



EU Press Conference WES Project

Cairo Water Week 2023

Thursday 2 November 2023
Hotel Nile Ritz
Zamalek room, 1st floor
from 10:00 to 11:30

WES Project Media Brief
on its activities in Egypt



Funded by
the European Union



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**Water and
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Overview of the WES Project

**2 November 2023, EU Press Conference
Cairo Water Week 2023, Egypt**

Presented by:

Professor Michael Scoullos, WES Team Leader



WES in a Snapshot



**Water and
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in the ENI Southern Neighbourhood region

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



WES Identity



**Water and
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8 Partner Countries in North Africa and the Middle East



Duration: May 2019 – November 2024 (66 months)



Budget: 9.508.054 Euros



Team Leader: Professor Michael Scoullou, scoullou@wes-med.eu

Water Expert: Ms Suzan Taha, taha@wes-med.eu

Environment Expert: Mr Anis Ismail, a.ismail@wes-med.eu

Communication & Networking Expert: Ms Lisa Papadogeorgaki, lpa@ldk.gr

Stakeholders Engagement Expert: Dr. Emad Adly, wes.gc@raednetwork.org



WES Identity



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Our Consortium



LDK Consultants Global EEIG (Leader)



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



Arab Network for Environment and Development (RAED)



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



CIHEAM – Mediterranean Agronomic Institute of Bari (CIHEAM Bari)



Gopa Infra GmbH



MedWaves the UNEP/MAP Regional Activity Centre for SCP



Ramboll Denmark A/S



Royal HaskoningDHV



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Technical Assistance, Capacity Building, Networking of Stakeholders



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Environment & Water Components

Regional level

31 Regional activities:

- Trainings/Workshops
- Study Visits to European and Southern Mediterranean countries
- Webinars
- Peer-to-Peer Exchanges coached

9 Horizontal activities:

Trainings and coached Peer-to-Peer Exchanges

National level

36 national activities:

~2 on water per Partner Country

plus

National WES Meetings as platforms of collaboration, to assess progress, plan next steps etc.



Project Components



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Component 1: Pollution prevention topics

- **Topic 1:** Reduce plastic pollution and marine litter
- **Topic 2:** Promotion of mechanisms, tools and conditions for the transition to a circular economy
- **Topic 3:** Prevention and reduction of pollution from specific industrial sectors
- **Topic 4:** Support for the implementation of integrated environmental management



Project Components



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Component 2: Efficient Water Use

- **Topic 1: Assessment and Estimation of water use (Per Sector)**
- **Topic 2: Investigation and introduction of Water Efficiency Gains at the decentralized level**
 - ✓ 2.1 Non-Conventional Water Resources (NCWR)
 - ✓ 2.2 Non-Revenue Water (NRW) Management
 - ✓ 2.3 Water Demand Management (WDM):
 - ✓ 2.5 Wastewater Treatment for reuse:
- **Topic 3: Water Resources Valuation, Cost-Recovery and Affordability of water services**
 - ✓ 3.1 Tariffs
 - ✓ 3.2 Water Accounting & Valuation
 - ✓ 3.3 Water Services Cost Recovery
- **Topic 4: Enhancing Water Efficiency and Productivity in agriculture**
 - ✓ 4.1 Agriculture Water Use Efficiency
 - ✓ 4.2 Water-Energy-Food-Ecosystems (WEFE) Nexus
- **Horizontal Topic: Legal & regulatory aspects related to the integration of Efficient Water Use into national & regional frameworks**

Egypt's participation in Regional & Horizontal Water activities



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- RW-1-REG: The application of the **water-energy-food-ecosystems (WEFE) nexus** and related policies and regulations
- RW-2-REG: **Water accounting**
- RW-3-REG & P2P: **Water demand management**
- RW-4-REG & P2P: **Water Harvesting**
- RW-5-REG: Capacity Building on **Treated Waste Water for reuse**
- RW-6-REG/ST & P2P: **Non-Revenue Water**
- RW-7-REG/ST: Study tour and Training(s) of WUAs on **optimal irrigation management**
- HE-1-REG: **Regional Stakeholders' Consultation** for the 2nd UfM Ministerial Conference on Environment and Climate Change
- HE-2-REG: Awareness raising and **Education for Sustainable Development: ToT on campaigns for sustainable consumption**
- HE-3-REG: Educating for Sustainable Development: focus on **Waste Water Treatment for reuse and Non Conventional Water Resources**
- HE-4-P2P: Overall **environmental governance** - promotion of the **Aarhus Convention** in the whole of the Mediterranean



Participation from Sept. 2020 till July 2023

21	Regional Activities:	123	key stakeholders
	10 Water & 11 Environment		68 men
4	Horizontal Activities		55 women
2	National Water Activities		

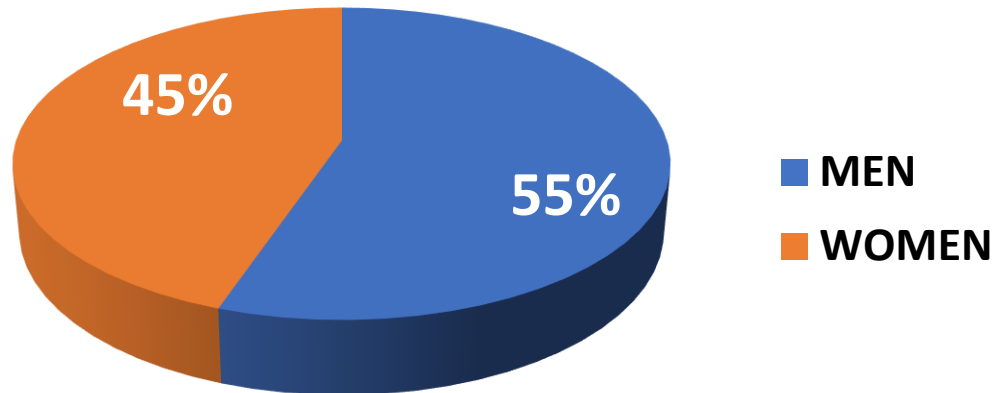


Egyptian Stakeholders' Engagement



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Gender



Type of Institutions





WES Water Activities in Egypt





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WES Water Activities in Egypt

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1: Strengthen the water utilities capacities to manage/reduce NRW



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Objectives

- Investigate the situation of NRW management in a pilot city served by AWWC and prepare its network to the next stage of implementation of distribution zones;
- Implement and calibrate a hydraulic model for the network of the pilot city as a tool to provide valid support to move into the design stage and establishment of DMAs;
- Introduce internationally recognised best practices for improving NRW;
- Build the capacity of the utility staff involved in the pilot area on the implementation of best practices;
- Develop a manual documenting the proposed procedures for reducing NRW in Asyut city water network.



1: Strengthen the water utilities capacities to manage/reduce NRW



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Main Achievements

- Assessment of present infrastructure, network, customers in the pilot area and review of data availability and reliability.
- Based on data-gaps identified, 85% of the water network customers were geographically recorded.
- Improvements suggested to the existing Geographic Information System and Data Base applications to better manage Non-revenue water (NRW) in Asyut Water Company (AWWC).
- Support the development of a hydraulic model (HM), its implementation and refinement.
- Initial division of the pilot area into District Metered Areas (DMAs) in order to allow activities related to isolation of leaks and control of NRW
- Proposals for equipment to be procured for establishing DMAs.
- Preliminary list of priority zones for addressing NRW-reduction measures.
- A manual with a set of procedures aiming at reducing NRW, tailored to the water network of AWWC.
- Two-day training discussing all steps undertaken, and results derived from the recalibration of the HM.



2: PPP for the banking system to improve irrigation network management and efficiency



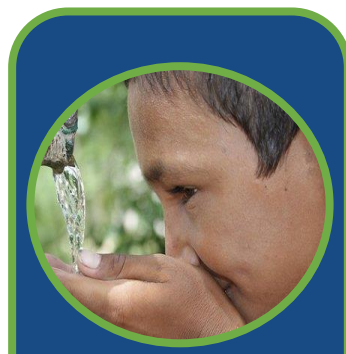
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General objective of the activity :

Assist Egypt in developing a financing mechanism to support farmers in purchasing water-saving - equipment and enable investments.



facilitate improved water network management and resource efficiency at the farm level.



Enhance Water Quality



Rationalize Water Use



Develop Water Resources



Create Enabling Environment



2: PPP for the banking system to improve irrigation network management and efficiency



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Specific objectives:

- A broad review of financing mechanisms for the purchase of on-farm (drip) irrigation equipment – successes and failures analysis.
- Two profound case studies of countries with significant reforms in the sector related to the financing of irrigation investments and equipment.
- Recommend new methods for supporting irrigation investment in the Egyptian agricultural industry.



2: PPP for the banking system to improve irrigation network management and efficiency



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Main Achievements

- Selection of countries for inter-country comparison (benchmarking): Portugal, Morocco and Turkey share many similar "basic characteristics" to Egypt.
- Review of financial reforms applied in the above countries (partially implemented in the Egyptian context, yet on a smaller scale (e.g., arrangements for Private Partners' Participation, and solar-powered irrigation in agriculture).
- Insight gained on new financing instruments related to irrigation investments and equipment, including advantages and disadvantages and lessons learnt from their application.
- Comparison of such instruments/methods with those applied in Egypt.
- Assessment of Best practices that were identified in the analysed countries, and their applicability in Egypt.
- Recommendations for effectively implementing adaptive change (e.g., supporting farmers by improving their eligibility for credits, and focused capacity building fostering both, financial and technical viability).





WES Communication





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WES Communication Objectives & Target Groups



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Objectives

- Increase awareness on water and environmental issues that are currently under pressure in the Mediterranean;
- Increase the commitment of decision-makers and other stakeholders;
- Mobilise the civil society;
- Ensure the visibility of WES and the EU support for water and environmental issues in the region.

Target Groups

4.200 contacts in total
750 Media contacts

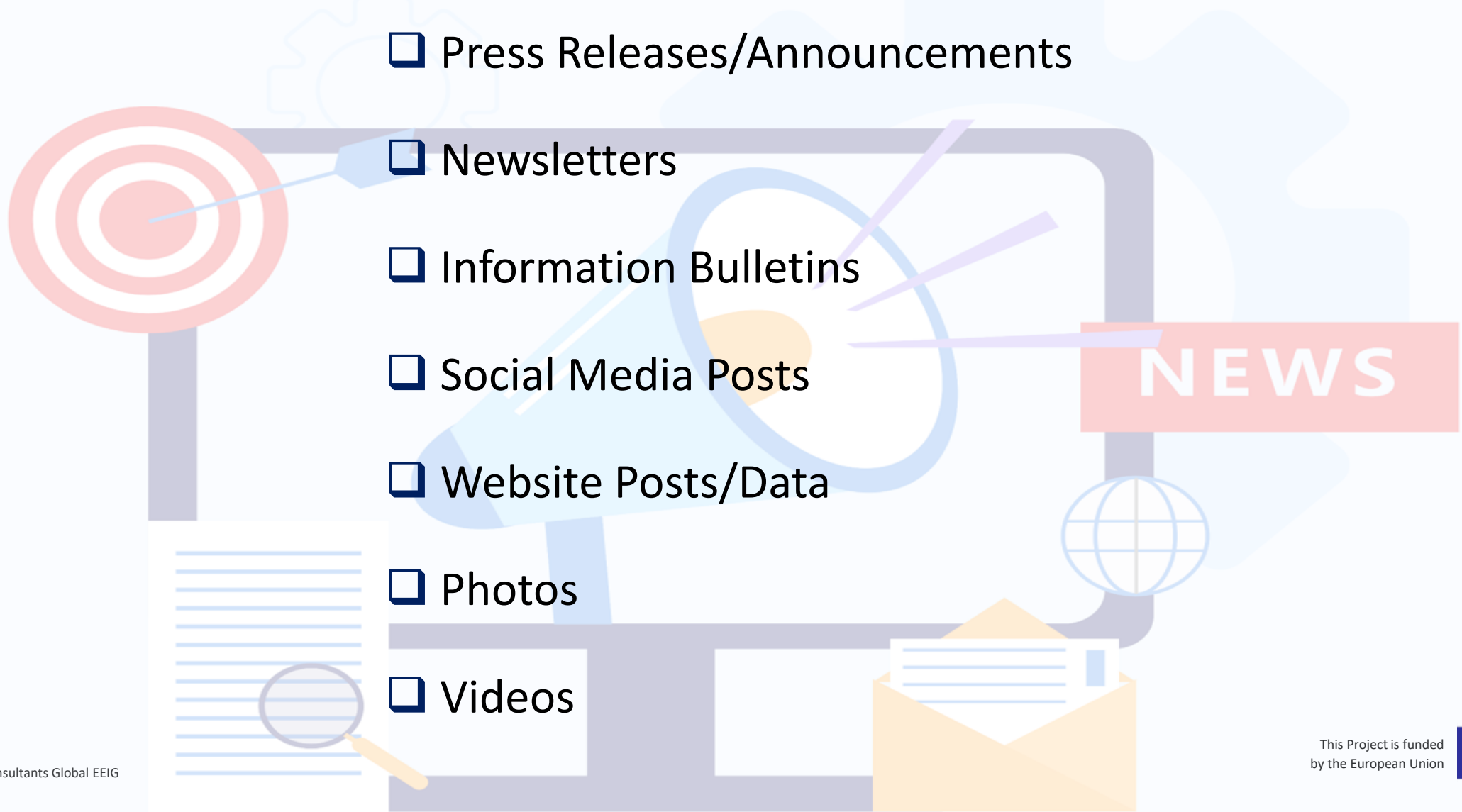
- Media
- Ministries
- Government Authorities
- Local Authorities
- Private Sector
- Universities/ Research Institutions
- NGOs



WES Communication Tools



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WES Communication Results



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الانشطة الوطنية لمكون البيئة



الأنشطة الإقليمية لمكون البيئة



الأنشطة الإقليمية لمكون البيئة



الأنشطة الإقليمية لمكون المياه



Sept. 2019 – Oct. 2023

1.950 Press Clippings
from 14 countries
(MENA and Europe)






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WES Video 'Non-Revenue Water and Water Demand'



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-  The WES video “Help us save a drop” was prepared as part of the activities for water demand management and non-revenue water.
-  The video offers simple tips for saving water and encourages the public to take small, meaningful, tangible steps to change their daily habits to contribute to this mission.
-  It presents the concepts of water demand management and non-revenue water which are fundamental to improving water efficiency in the southern Mediterranean.
The video is uploaded into the WES YouTube page and website.



[Video link](#)



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

WES-MED.EU

