The background features a faint world map in the upper half and a complex geometric pattern of overlapping triangles in shades of purple, blue, and green in the lower half. Two large, thin green circles are positioned on the right side, partially overlapping the geometric pattern.

Webinar Report:

World Water Day 2025

Webinar – Youth Innovation for Responsible Consumption

April 2025

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Date & Time:



APRIL 13, 2025 AT 8:00

Organized by: Arab Youth Sustainable Development Network (AYSDN)
Moderator: Mr. Mohammed Al Yatari
Prepared by: Wafaa Alsunaidar, Arab Youth Sustainable Development Network (AYSDN)

1.Overview

The World Water Day 2025 Webinar, themed “Youth Innovation for Responsible Consumption,” convened Arab youth, sustainability experts, and practitioners to explore young driven innovations in water stewardship.

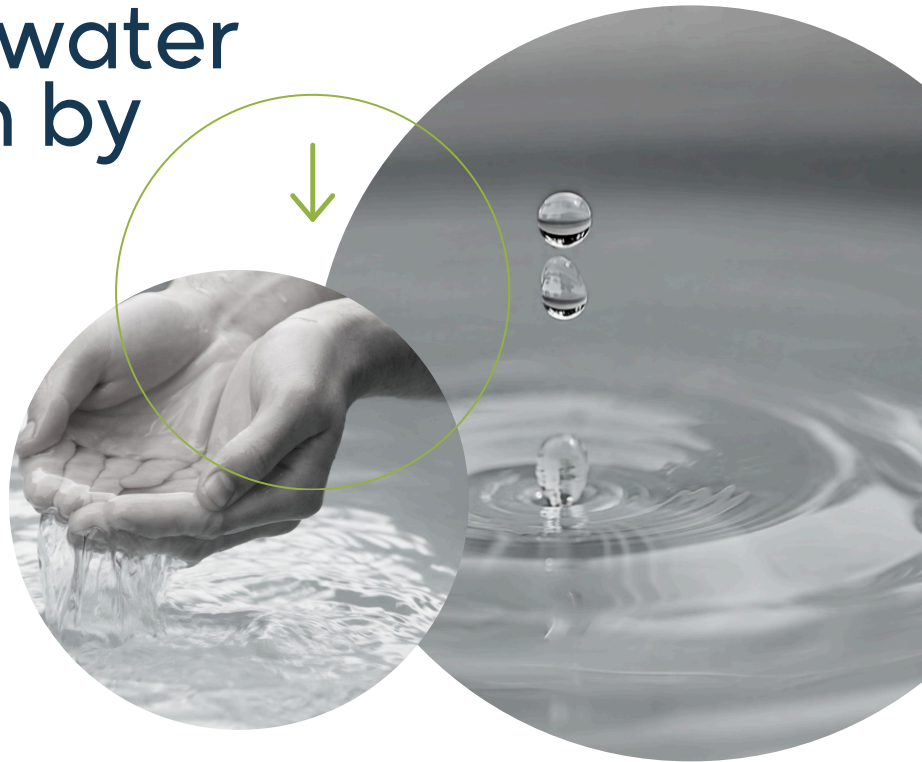
Over four expert presentations and an interactive Q&A, participants examined the water-production nexus, cutting edge conservation technologies, policy frameworks, and advocacy strategies to curb water waste.

2.Participation& Demographics

- Total Attendees: 56
 - o Male: 30 (53.6%)
 - o Female: 26 (46.4%)
- Geographic Reach:
Virtual participation from across the MENA region

Figure 1. Gender Distribution of Attendees:
(Pie chart illustrating attendee gender split)

Global Freshwater Consumption by Sector



Understanding the global context of water use underscores the urgency of local action.

- Agriculture: 70% of freshwater withdrawal
- Industry: 20%
- Domestic: 10%

Figure 2. Global Freshwater Consumption by Sector (%)
(Bar chart showing agriculture, industry, domestic shares)

Webinar Content and Speakers:

Moderator – Mr.

Mohammed Al Yatari

Executive Director, Arab

Youth Sustainable

Development Network

(AYSDN). He opened the

session, introduced the

theme, and managed the

live Q&A.

Key points:

1st Speaker: Dr. Mamlouka Ismail

•Affiliation: Assistant Professor of Applied Media, National Engineering School of Carthage, Tunisia

- 01 Debunked myths about freshwater abundance in the Arab world.
- 02 Explained that agriculture alone consumes ~70% of global freshwater, driving home the need for precision irrigation and industrial recycling.
- 03 Highlighted drip irrigation pilots and closed loop industrial systems as exemplars.

2nd Speaker: Mr. Soufiane El Hamdi

•Affiliation: International Development & Public Policy Expert; Lecturer in Youth Empowerment, Morocco

Key points:

01 Framed water as both a cooperation and conflict driver—citing Nile basin tensions and tribal disputes.

02 Emphasized youth roles in policy reform, community “environmental policing,” and legal frameworks to criminalize waste.

3rd Speaker: Ms. Mai Ahmed

•Affiliation: COP28 Observer; Sustainability Sector Manager, Egyptian Enterprise Center; PhD Candidate, Cairo University

Key points:

- 01 Surveyed household/community technologies: efficient fixtures, smart meters, rainwater harvesting, greywater reuse.
- 02 Demonstrated AI based leak sensors and consumption monitoring apps that alert users in real time.
- 03 Urged government subsidies and integration into educational curricula.

4th Speaker: Dr. Eisa Qahtan

•Affiliation: M.Sc. in Hydrology, University of Sanaa; Engineer, Rural Water Projects Authority, Yemen

Key points:

- 01 Advocated Integrated Water Resource Management (IWRM) to balance agricultural/industrial needs.
- 02 Shared Yemen's solar powered desalination and community monitoring pilots.
- 03 Called for multi stakeholder water governance platforms aligning policymakers, innovators, and youth advocates.

5.Challenges Encountered:

- Connectivity Issues: Audio/video dropouts for some speakers and attendees.
- Platform Familiarity: Initial navigation difficulties limited early chat engagement.
- Time Constraints: Four speakers plus live Q&A condensed some discussions.



6. Conclusion & Call to Action

Despite technical hurdles, the webinar galvanized Arab youth around water innovation. Participants committed to:

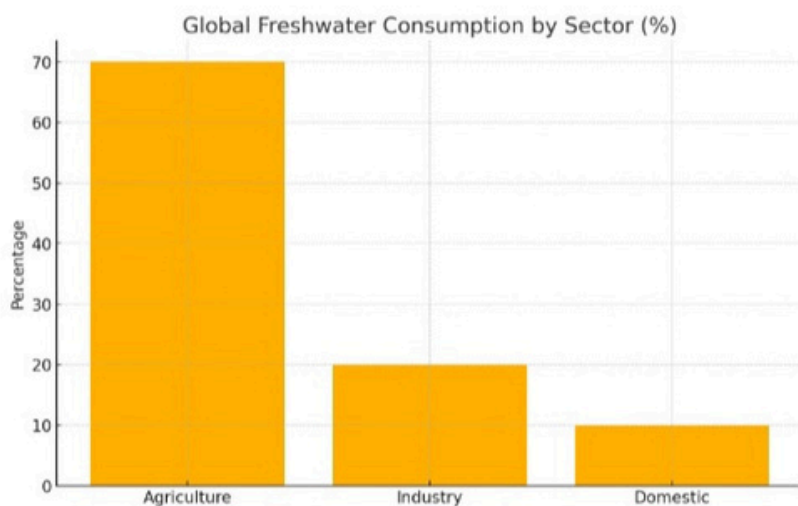
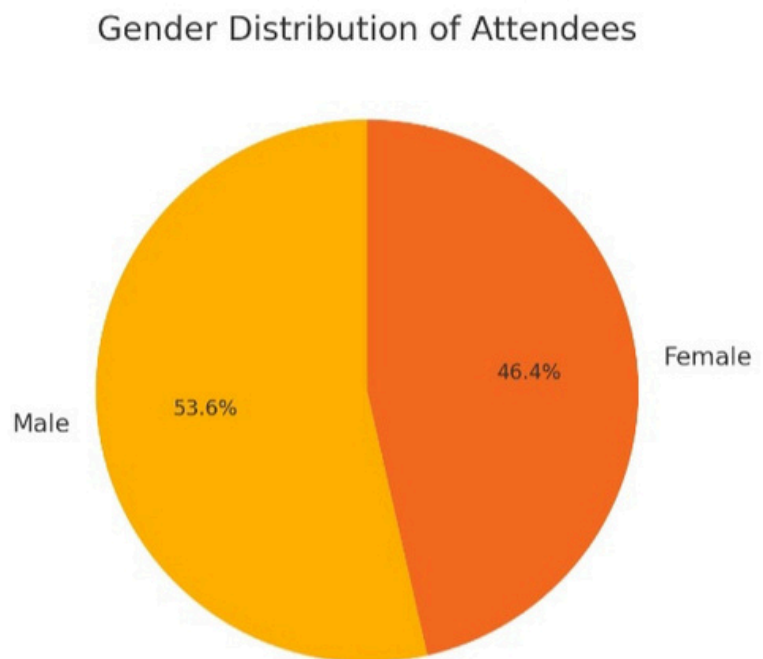
1. Deploying Efficient Technologies (drip irrigation, smart fixtures, AI leak detection)
2. Advocating Policy Reform that penalizes waste and rewards reuse
3. Mobilizing Youth Led Campaigns via social media and community workshops
4. Building Regional Innovation Hubs for cross border collaboration

"Every drop counts—let's innovate, advocate, and conserve together."

Figures

Figure 1 & Figure 2

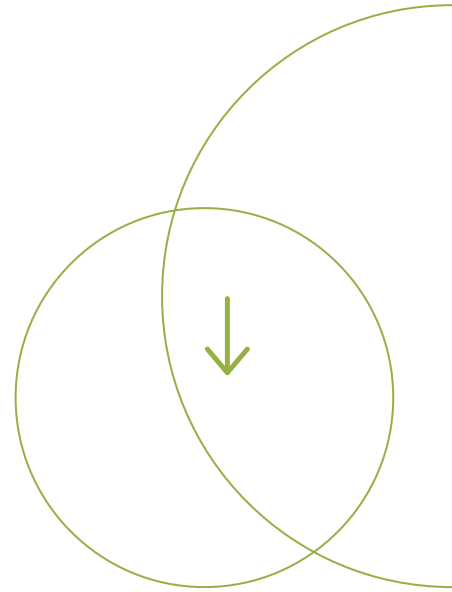
- Figure 1: Gender Distribution of Attendees (56 participants)



- Figure 2: Global Freshwater Consumption by Sector (%)

1. Gender Distribution of Attendees:

Gender Distribution of Attendees Shows 53.6% male and 46.4% female participation (56 total)



2. Global Freshwater Consumption by Sector:

Global Freshwater Consumption illustrates that agriculture uses ~70% of freshwater, industry ~20%, and domestic use ~10%

• The webinar documentation •



● The webinar documentation ●

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2025/4/13



عيسى قحطان
ماجستير في الهندسة - جامعة صنعاء، مدرس جامعي سابق
كخبير في المياه والهندسة المدنية والبيئية في جامعة
صنعاء، مهندس مشاريع المياه والبيئة في الهيئة العامة لمشاريع
مياه الريف، صنعاء منذ 15 عامًا. استشاري لدى الصندوق الاجتماعي
للتنمية WASH Manager with IRC، North Yemen، 2022، March 2024
CANAW، خبير دولي في التغيرات المناخية لدى

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Thank you ←