

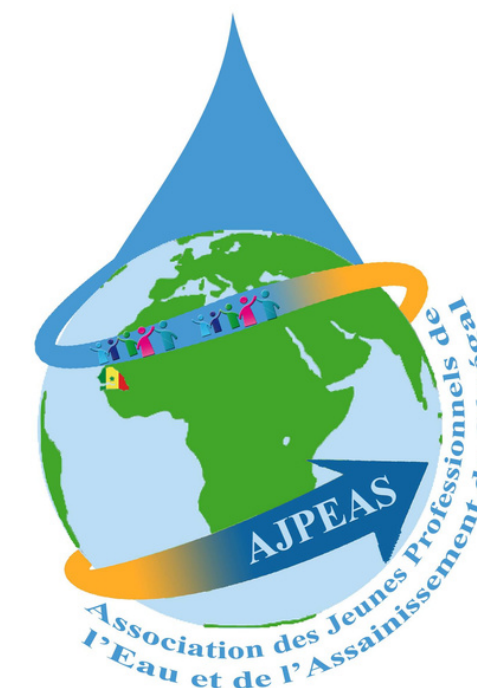


SESSION 3

CAPACITY DEVELOPMENT SERIES

Water for Prosperity: Empowering Youth & Shaping Prosperity Through Water

Session co-lead: L'Association des Jeunes Professionnels de l'Eau et de l'Assainissement du Sénégal (AJPEAS)



AGENDA

- 1. Welcome & Opening**
- 2. Introduction of the topic**
- 3. 1st presentation : Action for integrated and sustainable water resource management to foster community prosperity**
- 4. 2nd presentation : How does efficiency in water use and wastewater treatment lead to community prosperity ?**
- 5. Audience Q&A and interactive discussion**
- 6. Closing and key messages**



Major Group for
Children and Youth
A space for children and youth in the United Nations



United Nations



United Nations Water Conference
United Arab Emirates, 2026

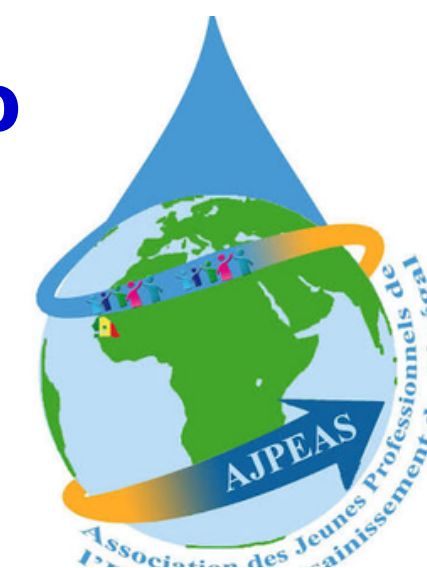
Actions for Integrated and Sustainable Water Resource Management to Foster Community Prosperity

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What We'll Cover

- 1. The Water Challenge**
- 2. Integrated Water Resource Management**
- 3. Four Priority Actions**
- 4. Youth as Agents of Change**
- 5. From Local Voices to Global Policy**
- 6. A Shared Call to Action**



1. The Water Challenge

Water is a cornerstone of sustainable development and a catalyst for prosperity, not just a survival need.

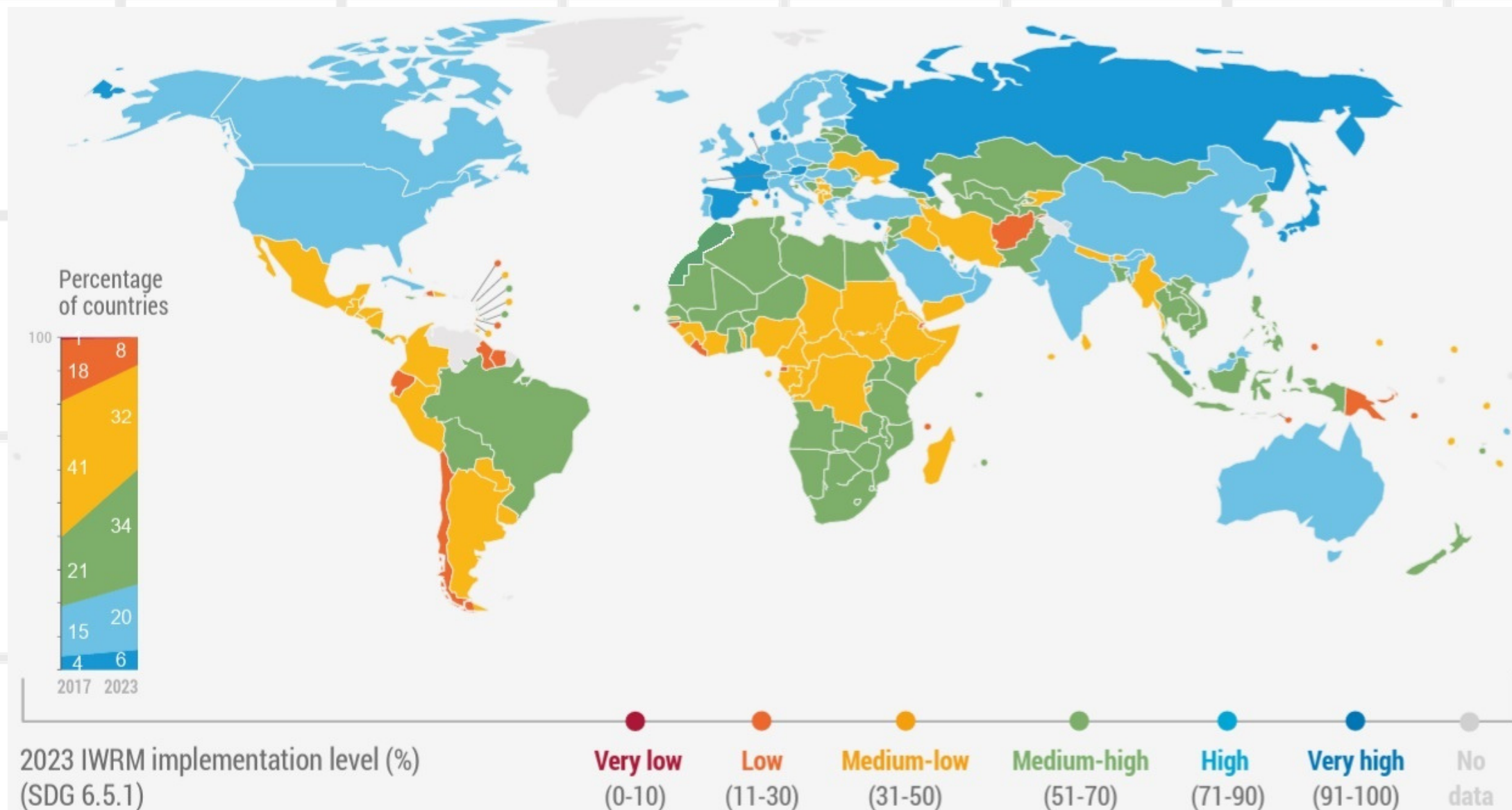
6 CLEAN WATER AND SANITATION

**By 2030, ensure availability
and sustainable management
of water and sanitation for all.**



1. The Water Challenge

Progress on SDG 6 remains off track for 2030 despite a decade of commitments.



WATER
ACTION DECADE
2018-2028

1. The Water Challenge

Fragmented water management: ☐ strains ecosystems and local economies and ☐ deepens gender inequality worldwide.



2.2B

people still lack
access to safely
managed drinking
water



40%

of the global
population projected
to face water scarcity
by 2030



80%

of water-scarce
households rely on
women & girls for
primary collection.



\$260B

estimated annual
economic loss from
inadequate water and
sanitation

2. Integrated Water Resource Management

A process that promotes the coordinated development and management of water, land, and related resources to maximize economic and social welfare equitably, without compromising the sustainability of vital ecosystems.

Dublin Principle #3: Women play a central part in the provision, management, and safeguarding of water. Integrating gender is non-negotiable for success.



Three interconnected pillars



Economic Efficiency

Allocate scarce water to its highest-value, most productive uses



Social & Gender Equity

Guarantee fair access, user rights, and decision-making power for all



Environmental Sustainability

Protect ecosystems that water systems depend on long-term

3. Four Priority Actions

for integrated, sustainable water resource management

Governance & Policy

Build strong institutions so decisions are coordinated, transparent, and accountable to communities (gender)



Infrastructure & Technology

Modernize the physical systems that capture, move, treat, and reuse water efficiently



Community Engagement

Put residents, farmers, and local businesses at the center of planning and accountability (gender)



Data & Sustainable Financing

Pair better information with financing models that make long-term investment possible



Water is the foundation on which communities build prosperity

4. Youth as Agents of Change

**Young professionals (boys and girls) are not the water sector's future.
They are its present**



Innovation

Digital tools, low-cost sensors and data platforms for smarter water management.



Entrepreneurship

New water and sanitation business models that create local jobs and income.



Policy Voice

Youth synthesis and advocacy feeding directly into national and global commitments.



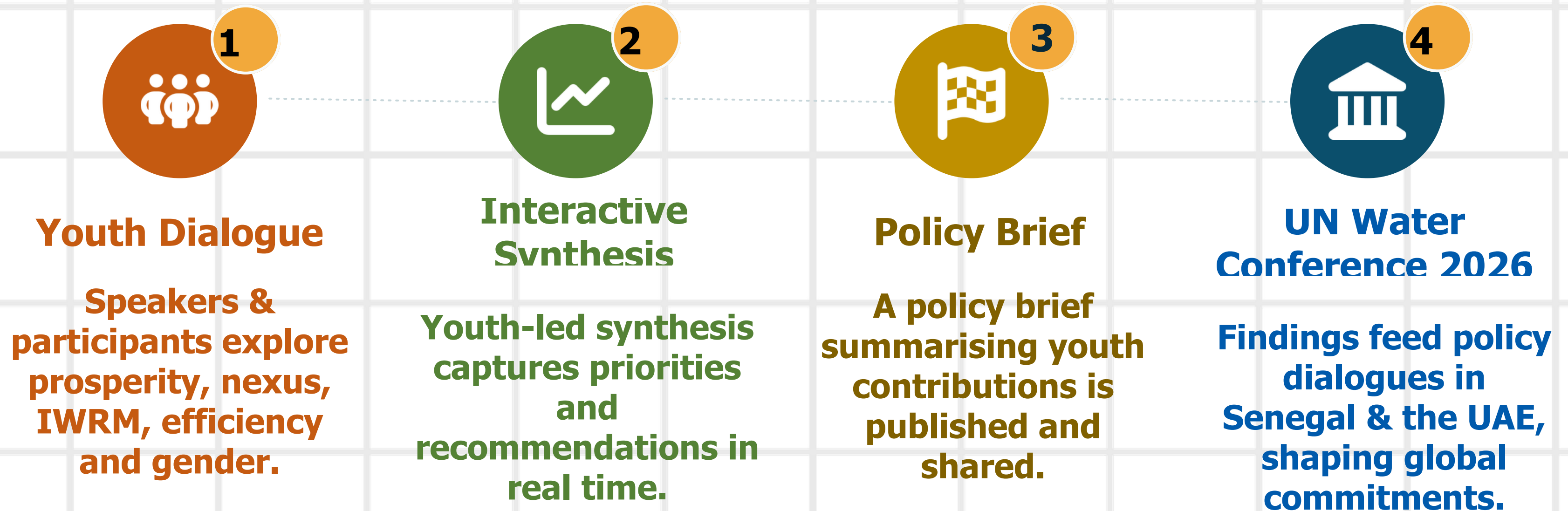
Networks

Platforms like AJPEAS and IWA connecting young professionals across borders.

This webinar itself is a proof of concept.

5. From Local Voices to Global Policy

How today's dialogue connects to the UN Water Conference 2026



6. A Shared Call to Action

Prosperity through water is built together

Youth (Boys & Girls)

Innovate, organise, and demand a seat at the policy table.

Institutions

Invest in gender-responsive, integrated water management.

Policymakers

Turn today's synthesis into commitments at UN Water 2026.



Thank You!

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SESSION 3



HOW CAN IMPROVED WATER-USE EFFICIENCY AND WASTEWATER MANAGEMENT

CONTRIBUTE TO ECONOMIC AND ENVIRONMENTAL RESILIENCE?

- Contribution to Economic and Environmental Resilience through Improved Water-Use Efficiency and Wastewater Management

Geraldine MPOUMA LOGMO

Vice-chair, AfWASA Strategic and Technological Council



WATER AS A DRIVER OF ECONOMIC AND SOCIAL DEVELOPMENT FOR PROSPERITY

From Resource to Value: Making Better Use of Every Cubic Meter

Water is no longer simply a resource to be managed. It is capital to be valued.

3 dimensions:

-  Water security
-  Economic performance
-  Climate resilience

1. THE PARADIGM SHIFT

Create more value from every cubic metre

Context: Climate change + urbanization + population growth → increasing pressure

The old paradigm: Extract → Distribute → Consume → Discharge



The new paradigm: Preserve → Optimize → Create value → Reuse → Generate value

4 key messages



Water = strategic capital



Efficiency = a driver of competitiveness



Resilience = an economic imperative



Access to water = an investment in human capital

2. FROM RESOURCE TO PERFORMANCE

INFRASTRUCTURE IS NOT THE END

Building infrastructure is not an end in itself. Its long-term value and performance matter.

MEASURE WHAT MATTERS

Performance should be assessed through service quality, value created and sustainability.

EFFICIENCY BEYOND OUTPUT

A high-performing but energy-intensive plant—or a leaky network—is not truly efficient.

THE KEY QUESTION

What value does each water infrastructure investment deliver over time?

3. WATER-USE EFFICIENCY: DOING MORE WITH LESS

REDUCE LOSSES

Identify and reduce non-revenue water and physical losses across the system.

OPTIMISE ENERGY & PRODUCTIVITY

Use less energy while increasing the productivity and reliability of each cubic metre.

DIGITAL & PREDICTIVE MANAGEMENT

Digital monitoring, smart metering and predictive maintenance improve control and reduce downtime.

INTEGRATE CLIMATE RISK

Build climate risk into planning, operations and investment decisions.

Every cubic metre saved is available for another use.

4. WASTEWATER: FROM DISCHARGE TO RESOURCE

LINEAR MODEL

Withdraw → Use → Discharge

A model that loses value and increases environmental pressure.

CIRCULAR MODEL

Withdraw → Use → Treat → Reuse → Recover value

NEW USES & RESOURCES

Irrigation • Selected industrial uses • Green spaces •
Biogas/energy • Recovered biosolids

ECONOMIC OPPORTUNITIES

Treated wastewater can become a secondary resource, driving innovation, entrepreneurship and job creation.

5. WATER + CLIMATE + INNOVATION

SMART & RESILIENT SYSTEMS

Build water systems that anticipate risks, adapt to shocks and use resources more intelligently.

DATA → DECISION → PERFORMANCE

Better data enables better decisions, stronger performance and greater resilience.

KEY TECHNOLOGIES

AI & data analytics • Smart sensors • GIS & remote sensing • Leak detection • Predictive maintenance • Reuse • Energy efficiency

INNOVATION FOR AFRICA

Technology should solve concrete problems at an accessible cost, with solutions adapted to African realities.

6. YOUTH: SOLUTION CREATORS

FROM JOB SEEKERS TO SOLUTION CREATORS

Young professionals should be viewed not only as future employees, but as producers of solutions.

THE NEXT GENERATION

INNOVATIVE • ENTREPRENEURIAL • DIGITAL •
ENGAGED • ACTIVE IN GOVERNANCE

TURN CHALLENGES INTO OPPORTUNITIES

Problems → Solutions → Businesses → Jobs →
Development

CO-DESIGN THE FUTURE

Young Africans must not only benefit from solutions;
they should co-design, build and scale them.



TO CONCLUDE

1. Let's remember : **We should not just be saving water. We should be creating a second, climate-independent water source, cutting operating costs, and protecting the natural capital on which long-term economic activity depends.**
2. **Role/work of the Strategic and Technological Council of AfWASA and its Specialists' Groups**

CORE MESSAGE

Making better use of every cubic metre means creating more opportunities for development.

We should not only save water. We should create value from every cubic metre, strengthen resilience, protect natural capital and turn water challenges into opportunities for inclusive prosperity.

WATER FOR PROSPERITY

- From water to resilience
- From wastewater to resources
- From innovation to solutions
- From youth to transformation

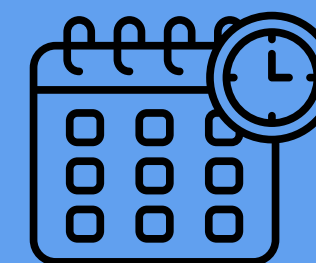
THANK YOU!

QUESTIONS & ANSWERS

THANK YOU !

CONTINUE YOUR LEARNING JOURNEY

WATER FOR FINANCE



10 September 2026

12:00 UTC

SESSION 4 : WATER FOR FINANCE

Co-lead : AFR'EAU & AJPEAS

REGISTER NOW :



WANT TO REACH OUT ?



GLOBALYOUTHMOVEMENT4WATER@SIE-ISW.ORG