IC- TWEP 2026 Program/ Thursday, 29 October 2026

Start	End	Duration (min)	Activity Co-Chair	Room A – Digital Transformation in Water Management – Presentation	Chair Co-Chair	Room B – Innovative Technologies / Science, Education & Innovation & Regional Cooperation
08:00	08:30	30	Welcoming the participants / Registration			
08:30	09:00	30	Prof. Tirusew Asefa Dr. Bessedik Madani	**Science, Education, and Innovation Without Borders: Building Bridges Through Academic and International Collaboration** Dr. Fateh Baher— Future Earth Africa Hub Leadership Centre - University of Rhodes— South Africa.		
09:00	09:30	30		**Strengthening the Role of Universities in Watercourse Protection and Environmental Sustainability** Prof. Hani Shemy — Faculty of Agriculture, Cairo University— Egypt.		
09:30	10:00	30		**Interdisciplinary Perspectives on Human Communities and Groundwater Resources** Prof. Koichi Unami Kyoto University— Japan.		
10:30	11:00	30		**Treatment of highly saline water using a novel class of subnanoporous hydrophobic membrane** Prof. Noreddine Ghaffour— KAUST—Djeddah—KSA.		
11:00	11:15	15	Coffee break / Poster session			
11:15	11:30	15	Prof. Nadia Badr Dr. Benada Lotfi	**AI-Based Multi-Sensor Satellite Monitoring of Dissolved Oxygen in Algerian Reservoirs for Water Quality and Pollution Prevention** Tayeb Boulmaiz — Badji Mokhtar Annaba University—Algeria.	Prof. Koichi Unami Prof. Ghenim Abderrahmane	**Intelligent Land, Water and Livelihoods: An AI Driven Water, Energy and Food Nexus Approach for Africa's Great Green Wall and its Transboundary Basins** Prof. Amos Tiereyangn Kabo-Bah— Ghana.
11:30	11:45	15		**Impact of Treated Wastewater Reuse on Soil Properties in the Hennaya Irrigated Perimeter (Northwestern Algeria)** Badraoui Abderrahim — University of Tlemcen.		**The Trounsboundary Medjerda River Basin: Resouces, Threats and Opportunities** Habib Abida — University of Sfax— Tunisia.
11:45	12:00	15		**AI-Powered Decision Support System for Real-Time WWTP Performance Optimization: A Machine Learning Framework for Operational Excellence** Zorgani Naima — University Centre of Maghnia—Algeria.		**Multilevel Water Governance: Balancing Global Standards and Local Specificities.** Zaoui Ahmed Sadaq — University of Mascara— Algeria.

12:00	12:15	15	**Evaluating the water quality of the Djorf Eltorba dam (Algeria) using water quality Indices** Kouar Lazhari — University of Béchar—Algeria.	**Fostering Social Inclusion in Citizen Science: A Comparative Analysis of Communication Frameworks** Khadidja Bousmaha — Alger2 University—Algeria.
12:15	12:30	15	**AquaNexus.** **Water for AI: A Climate-Resilient Framework for Energy- Efficient Data Center Cooling in the MENA Region.** Ibrahim Adetayo Lawal— PAUWES— Algeria.	**The Medjerda Transboundary Basin Facing Climate Challenges: Governance Models for a Resilient Territory.** Amina Baala — PAUWES— Algeria.
12:30	12:45	15	**Spatio-Temporal Multimodal Intelligence for Anticipatory Flash Flood Forecasting Using Hybrid SAR–Rainfall Deep Neural Architectures** Flamin David — St. Joseph's college of engineering— India.	
12:45	13:00	15	**Discussions, Recommendations and prospects for cooperation** **Official closing of the conference**	
13:00	14:00	60	**Lunch**	
From 14:00			**Touristic / Guided tour**	