IC- TWEP 2026 Program / Tuesday, 27 October. 2026

Start	End	Duration (min)	Chair Co-Chair	Room A – Climate Change & Pollution Impacts / Governance – Presentation	Chair Co-Chair	Room B –Socio-Economic Sector – Presentation
08:00	08:30	30	**Welcoming the participants / Registration**			
08:30	09:00	30	Prof. Nidal Salim Prof. Navneet Kumar	**Endogenous sustainable Protection of Transboundary Basins Volta – Niger in Burkina Faso** Prof. Mamounata Belem - Former Minister of Water, Hydraulic Development and Sanitation (MEAHA), Burkina Faso		
09:00	09:30	30		**Translating Science into Action for Transboundary Watercourse Cooperation.** Prof. Tirusew Asefa -Patel College of Global Sustainability. University of South Florida — USA.		
09:30	09:45	15		**Water Quality Challenges in a Transboundary Basin: The Case of the Hammam Boughrara dam catchment (Northwestern Algeria).** Badraoui Abderrahim — ABHOCC/AGIRE — Algeria.		
09:45	10:00	15		**Integrated assessment of transboundary surface-water pollution and its impacts on groundwater vulnerability using remote sensing, GIS and the DRASTIC method: The case of Oued Mouillah and the Maghnia aquifer (northwestern Algeria).** Bentekhici Nadjla — (ASAL) Algerian Space Agency — Algeria.		
10:00	10:15	15	**Discussions**			
10:15	10:30	15	**Coffee break / Poster session**			
10:30	10:45	15	Prof. Tirusew Asefa Prof. Tarek Merabtene	**Assessing meteorological and agricultural droughts in the Mitidja plain, Algeria: Trends and Impacts on agricultural productivity.** Abdelhadi AMMARI — ENSH — Algeria.	Prof. Megnounif Abdessalam Prof. Boulmaiz Tayeb	**Cooperation for sustainable development. From institutional construction to collective action** Deramchi Mohamed — SASS.
10:45	11:00	15		**Urban Expansion, Climate Change, and Environmental Degradation in Mila, Algeria: A Multi-Temporal Remote Sensing and GIS Assessment.** Imane Souci — University of Constantine 3 — Algeria.		**Summary of the main achievements of the water sector.** Aissiou Charif — Ministry of Hydraulics— Algeria.
11:00	11:15	15		**Integrated Flood Risk Assessment and Mitigation in Algeria: Hydrological Modelling, Artificial Intelligence, Climate Change and Resilience Strategies.** BOUTAGHANE Hamouda— Annaba University — Algeria.		**Prevention of Air, Marine and Water Pollution Risks in Algeria: Strategic Challenges and Perspectives for Developing General Disaster Risk Prevention Plans.** Naïma Touloulum — DNRM (Ministry of the Interior and Local Authorities) — Algeria.

11:15	11:30	15		**Climate Change Impacts on Soil Erosion Susceptibility in the Transboundary Medjerda Watershed: A Machine Learning Approach for Climate Resilient Land Management.** Asma Bouamrane — Kyoto University— Japan.		**Essential prerequisites for launching a consultation mechanism for transboundary waters.** Ansari Taha — ANRH— Algeria.
11:30	11:45	**Discussions**				
11:45	12:00	15	Prof. Tirusew Asefa Prof. Tarek Merabtene	**Source Apportionment of Surface Water Pollution in a Deltaic River System Using United State Environmental Protection Agency (USEPA), Positive Matrix Factorization (PMF): The Case of Ede Onyima Creek, Niger Delta, Nigeria.** Emmanuel Francis — National Mathematical Center — Nigeria.	Prof. Megnounif Abdessalam Prof. Boulmaiz Tayeb	**Role of environmental monitoring and physico-chemical analyses in assessing the effects of climate change on water sources: the case of the Upper Tafna.** Boukhateb Imen — Environmental Directorate,ONEDD. —Algeria
12:00	12:15	15		**Development of a Computer Model for Atmospheric Dispersion to Prevent Pollution of Coastal Aquatic Environments.** Abdallah Bouam — C.R.N.B — Algeria.		**Hammam Boughrara Dam: the current situation.** Nait Amrane Soufiane — ANBT, Hammam Boughrara Dam — Algeria
12:15	12:30	15		**GIS-Based Assessment of Groundwater Quality for Irrigation in Souk-Ahras Province Using an Integrated Water Quality Index.** Hamza Bouguerra— Badji Mokhtar -Annaba University— Algeria		**Surface waters of the Mouilah Wadi: where, when, and why does water quality deteriorate?** Belarbi Halima- -CUM-EOLE, University of Tlemcen, Algeria
12:30	12:45	15		**Linking hydrochemical variability to climatic conditions: Assessment of irrigation water quality using multivariate analysis and classification methods.** Aicha El Mahi —Mustapha Stambouli University, Mascara — Algeria.		**Pollution control in Oued Mouillah: an environmental and socio-economic imperative for the sustainable management of transboundary water resources.** Benadda Lotfi — BET BAHDJA – ONA, Algeria
12:45	13:00	15	**Discussions**			
13:00	14:00	60	**Lunch break**			
14:00	14:30	30	Prof. Mamounata Belem Prof. Abdelhadi AMMARI	**Future Challenges in Water Resources Modeling and Management: Basins' Resilience in an Uncertain Century - Bridging Numerical Physics and Transboundary Diplomacy.** Prof. Tarek Merabtene -Sharjah Smart Center for Climate Resilience.		
14:30	15:00	30		**Modelling Water Availability and Irrigation Savings under Afforestation Scenarios in Degraded Croplands** Prof. Navneet Kumar (Head of the Geo-Meteorological Risk Management Division (GMRMD) at the National Institute of Disaster Management (NIDM), under the Ministry of Home Affairs, India.		
15:00	15:15	15	**Coffee break / Poster session**			

15:15	15:30	15	Prof. Ahmed Al-Busaidi Prof. Meddi Mohamed	**Bassin Guir–Saoura : le barrage de Djorf Torba face au Changement climatique et aux pressions transfrontalières. Disponibilité et qualité de l'eau en zone aride, Sud-Ouest algérien.** Dr. Merzougui Touhami, University of Bechar, — Algeria.	Prof. Rouissat Bouchrit Prof. Bouanani Abderrazak	**Remote management and SCADA: pillars of the digital transformation of water infrastructure.** Fekir Walid — SOGERHWIT EPE SPA— Algeria.
15:30	15:45	15		**Transboundary Waters: When Hydropolitical Realities Surpass International Law.** Sofiane ABAIDIA — Hassiba BENBOUALI University of Chlef— Algeria.		**Transboundary threat posed by the waters of Boughrara Dam: diagnosis and prospects.** Abi Ayad Linda — DRE— Algeria.
15:45	16:00	15		**Rainwater Harvesting as a primary water resource in all circumstances.** Chicgoua Noubactep — Hohai University— -China.		**The role of ONID in developing agricultural water management in large irrigated perimeters.** Ikhlef Saliha — ONID— Algeria.
16:00	16:15	15		**Explaining the Perception–Action Gap in Urban Flash Flood Contexts: Evidence from Jordan.** Jalal Al-Qaryouti — TU Darmstadt — Germany.		**Surface-water quality at Beni Bahdel Dam: combined effects of climate variability and anthropogenic pressures.** Hadjila Othman — ADE, Algeria.
16:15	16:30	15		**Optimizing Deep Learning Pipelines for Flash-Flood Detection in Hyper-Arid Environments Using C-Band SAR Data.** Mahmoud Akhamouk — Ghardaia University— Algeria.		**Interpretable Machine Learning for Urban Wastewater Quality Prediction: A Coupled XGBoost–SHAP Framework Applied to a Full-Scale WWTP.** Abdelhakim Kellouche — National Sanitation Office — Algeria.
16:30	16:45	15		**FOSSIL WATER: A GUARANTEE OF WATER SECURITY IN ALGERIA.** Boualem Remini — Blida 1 University— Algeria.		
16:45	17:00	15	**Discussions; Closing session, 2nd day**			