

MAIN TOPIC LIST

This contest is open to recent (less than 10 year) original innovative ideas, addressing local or global issues in the following areas with considering the water-related sustainable development goals (SDGs) from UN.

Reflecting on the urgency of regional and global water issues in each water sector, WWCH 2024 calls for innovative solutions in accordance to the following list.

Main Topic	SDGs links	Examples of Keywords
Water and Wastewater Treatment	6.1 & 6.2	Water and wastewater treatment technology, Safe and clean technology for drinking water, Sanitation and Health Science, Sea Water Desalination, WASH ¹⁾ for public health, Energy production, Nutrients recovery system in Water Treatment, Wastewater Surveillance etc.
Water Resource Management	6.4	Water-cycle security, Groundwater development, Policy for integrated water management, Governance for transboundary and shared water resources, Citizen Participatory Governance, Water-energy production Technology, Technology for achieving Water-energy-food Nexus, Hydropower Technology etc.
Water and Natural Disasters	11.5	Flood prevention, climate change scenarios and prediction, Drought Analysis and Management, Risk Assessment and Adaptation, Water and Disasters, Groundwater Development, Water related Composite Hazards, Drinking water shortage by Earthquake, Coastal Disaster and Tsunami, Portable Water Treatment System etc.
Smart Water Technologies	6.5	Water and Creative Economy, Smart Water Management, Smart Disaster Management, Smart Agricultural Water Management, Standardized Smart Water Grid, Water Management Information Systems, RS and GIS applications for securing Water Resources, Best management practices of IWRM, Advanced Water Governance through Multi-directional Information System, NRW ²⁾ etc.
Ecosystem and Water	6.6	Wetland Conservation and Restoration, Environmental Flow, River Restoration, Ecosystem Service, Utilizing LID ³⁾ and GI ⁴⁾ , Resilience Cities, Ecological Flow, Water and Health etc.

¹⁾WASH: Water, Sanitation and Hygiene / ²⁾NRW: Non-Revenue Water / ³⁾LID: Low Impact Development / ⁴⁾GI: Green Infrastructure