

## World Water Challenge (WWCH) 2019 Challenge List

Korea International Water Week 2019

Main Topic	Tentative Challenge
Efficient Water Management	<b>(Challenge): Integrated management of diversified water resources</b>
	(Key words) Water supply in an isolated tropical area, Rehabilitation of Deteriorated Infra, Policy for Integrated Water Management, Governance for Transboundary and shared water resources
	<b>(Challenge): Innovating financing for local water solutions</b>
	(Key words) Circular economy,
Resource Recovery from Water and Wastewater System	<b>(Challenge): Energy Efficiency in sewage, waste water, and sea water recycling and reuse</b>
	(Key words) energy consumption
	<b>(Challenge) NEXUS for efficient utilization of limited water resources and energy recovery</b>
	(Key words) Water recycle, water-food-energy Nexus, RO(Reverse Osmosis), renewable energy
Water and Natural Disasters	<b>(Challenge): Urban flood prevention and management for sustainable water cycle and urban regeneration</b>
	(Key words) Climate Change, Flood Prevention, Sustainable Management,
	<b>(Challenge) : The depletion and pollution of water caused by climate change</b>
	(Key words) Climate Change, Drought Management, Water Shortage
Smart Water Technologies	<b>(Challenge): ICBM, ICT based water management</b>
	(Key words) Urban water management, Urban regeneration, Intelligent public sewage treatment facilities, big data utilization, internet of things, IoT Water Management,
	<b>(Challenge): 'Smart' solutions for water management : definition and case of 'smart solutions' by region, sector, and target</b>
	(Key words) Simple technologies to save water in irrigation, Innovative management to prevent flood or drought
Ecosystem and Water	<b>(Challenge): Nature-based solutions for ecological recovery and reinstate natural process of rivers</b>
	(Key words) Green Infra, Environmental flow, River Restoration, Ecosystem Service
	<b>(Challenge) Ecological urban water cycle in adaptation of climate change</b>
	(Key words) Utilizing LID and GI, resilience cities, Ecological Flow