

Theme 1 - Water Utility Management	Theme 2 - Wastewater Treatment and Resource Recovery	Theme 3 - Drinking Water and Potable Reuse	Theme 4 - City Scale Planning and Operations	Theme 5 - Communities, Communication, and Partnerships	Theme 6 - Water Resources and Large Scale Water Management
--	---	--	--	---	--

TS: Technical Session
WS: Workshop

Sunday 11 September

Congress Hall
A1 (Room 1)

16:00 - 18:00	Opening Ceremony
18:00 - 18:15	Toasting Ceremony (At the Registration Area, next to the Exhibition Entry)
18:15 - 18:40	Exhibition Opening (In the Exhibition Hall)
18:30 - 20:00	Welcome Reception (In the Exhibition Hall)

Monday 12 September

	A1 (Room 1)	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16	Room 17
09.00 - 09.45	Keynote															
09.45 - 10.30	Coffee break															
10.30 - 12.00		WS 1.20 Research To Technology -- Turning High Impact Research Into Breakthrough Technology	TS. 2.1.2-1 Anaerobic digestion and enhanced performance	TS. 2.5.1 Sewer corrosion and odour management	TS 3.1. Technologies and operations - I	TS 3.12 Water Management: Source to Consumer	TS 5.1 Bottom-up resilience planning across the water cycle	WS 5.6 Young Water Entrepreneurs: Entrepreneurship As A Way To Bridge Research And Practice	TS 1.12 Infrastructure rehabilitation	WS 1.9 Addressing Water Shortage Mitigation In The Mediterranean Region	TS 1.21 Integrated digital water utility	TS 4.4.3 Microbial and chemical risks for city planning	WS 4.9 The Role of water and wastewater utilities in supporting Sustainable Development Goals	WS Removal Of Micropollutants	TS. 2.2.1-1 Water reclamation for non-potable reuse	TS. 2.3.2-1 Advanced oxidation processes - Group 1
12.00 - 13.30	Lunch															
13.30 - 15.00		WS 1.1 Future Water Utilities For Smart Livable Cities	TS. 2.1.2-1 Anaerobic digestion and enhanced performance	TS. 2.1.4-2 Biofilm reactors	TS 3.2. Technologies and operations - II	WS6.1 Earth Observation For Water Management -- Building A Community Of Practice	TS 5.2 Incentives and drivers to enable change	TS 4.4.8 Innovative modellign tools for urban water systems	WS 1.6 Methodology And Context For Quantifying Your Sewer Methane	TS 1.18 Utility responses and adaptation to climate change impacts	TS 1.19 Digital business management approaches at utility scale	TS 4.4.2 Drivers and hazards at city scale	WS 4.3 Evaluation criteria and approaches for tools in NBS planning	TS. 2.5.3-1 - Wastewater epidemiology: SARS-CoV-2	TS. 2.2.1-2 Water reclamation for non-potable reuse	TS. 2.3.2-2 Advanced oxidation processes - Group 2
15.00 - 15.45	Coffee break															
15.45 - 17.15		TS 6.4 Surface water issues related to ecosystem, recreation, drinking water source and monitoring	TS. 2.1.2-2 Improved anaerobic process	TS., 2.1.5 Membrane bioreactors and fouling control	TS 3.5. Decentralised solutions and Potable water reuse	WS 3.6 Prevention And Management Of Taste-and-Odour Events In Supplies	WS 5.1 How The Water Industry Can Support Women Internationally	TS 1.3 New services and perspectives for water utilities	TS 1.13 Sewer overflow management at utility level	WS 1.12 Innovative Approach To Nature-based Solutions For Urban Climate Resilience	TS 1.20 Utility-scale data collection, visualisation and utilisation	TS 4.4.5 Flood risk management	WS 4.5: Nature Based Solutions for climate-resilient cities in Developing Countries under Change	TS. 2.5.3-2 Wastewater epidemiology: ARGs, SARS-CoV-2 and other pathogens	TS6.5 Technical Achievements for surface water control	TS. 2.3.2-3 Advanced oxidation processes - Group 3
17.15 - 17.30	Break															
17.30 - 18.15	Keynote															

Tuesday 13 September

	A1 (Room 1)	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16	Room 17
09.00 - 09.45	Keynote															
09.45 - 10.30	Coffee break															
10.30 - 12.00		WS 1.13 The Digital Worker – Challenges And Lessons Learned By International Utilities	WS 2. BioCluster	TS. 2.4.2-2 Biosolids management & reuse	TS 3.3 Groundwater based production - I	TS 3.13 Water Management in Diverse Contexts	TS 5.3 Enabling health, well-being and liveability outcomes	WS 5.7 Creating An Effective Innovative Ecosystem. How The UK Enhances & Enables Innovation And What We Can Continue To Learn	TS 1.9 Asset management and optimization innovation	TS 1.6 Sustainable utility management - the Nordic experience	TS 1.5 Utilities water reuse throughout the water cycle	TS 4.4.1 Data driven modelling at city scale	WS 4.6 Tapping the value of urban drainage systems (UDS) data	TS. 2.4.3-1 PFAs as emerging contaminants of concern	TS6.1 Groundwater Holistic approaches and regulation for water security	TS. 2.3.3 Nanomaterials and nanotechnology
12.00 - 13.30	Lunch															
13.30 - 15.00		WS 1.14 Developing Consensus And Good Practices For Digital Twin Applications A	TS 2.1.6 Microbial ecology (communities, meta-omics).	TS 2.4.3-4 Microplastics as emerging contaminants of concern	TS 3.4 Groundwater based production - II	WS6.2 Coordinated Management From Source To Sea - In The Baltic Sea And Other Basins	TS 5.4 Partnerships and cooperation in and beyond the water sector	WS 5.8 The Art Of Collaboration: Crossing Borders To Solve Systems-Based Problems	TS 1.10 Asset management and optimization modelling	TS 1.7 Sustainable utility management	WS 1.19 How To Build Integrative, Regional Strategies For Responsible Water Reuse?	TS 4.4.4 Planning in respect of nature impacts	WS 4.4 Exploring framework conditions for utilities to reduce GHG emissions	TS. 2.4.3-2 Micropollutants as emerging contaminants of concern	TS6.2 Groundwater management - Key's to SDGs	TS 6.6 Strategic digital control of water management
15.00 - 15.45	Coffee break															
15.45 - 17.15		WS 1.14 Developing Consensus And Good Practices For Digital Twin Applications B	TS. 2.1.3a Activated sludge processes: Microbial community dynamics	WS 2. Microplastics	TS 3.8 Nonrevenue Water, Leakage Management and Intermittant Water Supply	WS 3.2 Groundwater as a sustainable supply resource alleviating water scarcity	WS 5.2 Towards Climate Smart Utilities	TS 6.7 Water stress, droughts and floods, including impact of climate change	TS 1.11 Asset management and optimization case studies	TS 1.8 Greenhouse gas emissions in Denmark	WS 1.7 On-site Reuse Of Water Across The World	TS 4.4.9 Pollution of urban water: Monitoring, modelling, and controlling	WS 4.1 Groundwater management for climate change adaptation considering the interaction between infrastructure and groundwater	TS. 2.4.3-3 Pharmaceuticals as emerging contaminants of concern	WS 2 High valuable products	TS6.3 Groundwater - Resilience Approaches
17.15 - 17.30	Break															
17.30 - 18.15	Keynote															

Wednesday 14 September

	A1 (Room 1)	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16	Room 17
09.00 - 09.45	Keynote															
09.45 - 10.30	Coffee break															
10.30 - 12.00		WS 1.15 Skills For A Digital Water Future	TS 2.1.3b Activated sludge processes: The nitrogen cycle	TS. 2.6. Digital tools for wastewater process optimization	TS 3.6 Emerging contaminants (PFAS, pesticides and others) - I	TS 3.14 Digital Water	TS 5.5 WASH and Community-Scale Water Management	WS 5.9 Global Megatrends And Workforce Of Tomorrow	TS 1.1 Non-revenue water - case studies	WS 1.4 The Road Towards Climate And Energy Neutral Water Utilities	TS 1.16 COVID-19 Pandemic scientific responses at utility level	TS 4.4.7 The urban water cycle: monitoring and modelling	WS 4.2 Systemic management for water wise cities - scandinavian experiences	WS Anaerobic MBR:	TS. 2.2.3-1 Recovery of nutrient and chemicals- Group 1	TS6.8 Water resource management and adaptation to climate change impacts
12.00 - 13.30	Lunch															
13.30 - 15.00		TS6.11 Circular Economy 1	TS. 2.1.1-1 innovative mainstream wastewater treatment	TS. 2.6 Data-driven tools for wastewater treatment processes	TS 3.7 Emerging contaminants (PFAS, pesticides and others) - II	WS 3.3 Health Risk Assessment Of Antimicrobial Resistance In Water Systems	WS 5.3 Approaches to Capacity Building and Performance Assessment in the Water Sector	WS 1.18 The Future Of Water Cooperation Programmes: How To Ensure Equal Access To The Best Available Solutions And Technology	WS 1.2 Non-revenue Water Management In Low And Middle Income Countries	WS 1.5 Water Efficiency: The Fastest, Cheapest, Largest Source Of New Water	TS 1.17 COVID-19 Pandemic impacts and case studies at utility level	TS 4.4.10 Digital water cities	WS 4.7 Water for smart liveable cities	TS. 2.2.2-1 Energy efficiency and recovery-Group 1	TS. 2.2.3-2 Recovery of nutrient and chemicals- Group 2	TS 6.9 Catchment management and natural capital approaches on different scales
15.00 - 15.45	Coffee break															
15.45 - 17.15		TS 6.12 Circular Economy 2	TS. 2.1.1-2 Optimization and control of nutrient removal	TS. 2.3.1 Membrane applications in wastewater management	TS 3.9 Biofilms and Pathogen Management in Water Distribution Systems	WS 3.5 Digitalization Water Informatics and Water Cybersecurity	WS 5.4 Water Orientated Living Labs As A Mean To Engage Stakeholders In The Development And Demonstration Of Water Technologies	TS 1.22 Fostering innovation and partnerships at utility level	WS 1.2 Non-revenue Water Management In Low And Middle Income Countries	WS 1.8 Sustainable Small Wastewater Treatment Plants: Present, Future, Opportunities And Challenges	TS 1.15 Management of extreme events	TS 4.4.11 Nature-based solutions, sponge cities and blue-green infrastructure	WS 4.8 TRAINING: Assessing project impacts on all SDGs with the Water4AllSDGs App	TS. 2.2.2-2 Energy efficiency and recovery-Group 2	TS. 2.2.3-3 Recovery of nutrient and chemicals- Group 3	TS6.10 Water resource management towards Sustainable Development Goals (SDGs); Challenges and progress towards achieving the Sustainable Development Goals (SDGs).
17.15 - 17.30	Break															
17.30 - 18.15	Keynote															

Thursday 15 September

	A1 (Room 1)	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	Room 15	Room 16	Room 17
09.00 - 09.45	Keynote															
09.45 - 10.30	Coffee break															
10.30 - 12.00		TS6.13 Integrated Assessment	TS. 2.1.4-1 Aerobic Granular Sludge	TS. 2.4.1 Dedicated treatment	TS 3.10 Emerging Pathogens and Their Management in Drinking Water and Water Reuse	WS 3.4 Leading Edge Sand Filtration	WS 5.5 Reaching Out For The Water Wise Generation	WS 1.10 Advancing Coastal Resiliency For Imperiled Barrier Island Systems	TS 1.4 Optimisation of water distribution networks	WS 1.17 Water In Circular Economy And Resilience: An Opportunity To Transform Urban Water Services	WS 1.11 Collaboration Of Water Utilities And Authorities In Crisis	TS 4.4.12 Transitioning to and implementation of sustainable and water wise	WS 4.11 Actionable Pathway to implementation of Nature-based Solutions	WS 6.3 UNFC System For Groundwater-Resource Projects	WS 6.4 How To Operationalise Integrated Urban Water Management -- A Five-step Guide	WS6.5 Governance And Transition To A Circular Economy In Public Water Services
12.00 - 13.30	Lunch															
13.30 - 15.00		TS 6.14 Approaches to sustainable water resources management	WS 2. Aerobic Granular sludge	TS. 2.3.4 Other physico-chemical treatment techniques	TS 3.11 Microbial, Chemical, and By-Product Risk and Management	WS 3.1 SG Health Related Water Microbiology And WHO Workshop: Recreational Water Quality Translating Science To Policy	Technical Session	TS 1.2 Utility efficiency and excellency	WS 1.3 Are You Adequately Assessing Your Water Losses? Learn To Use The WL Performance Indicators	WS 1.16 Determination And Application Of Circular Economy Policies And Strategies In The Water Sector	TS 1.14 Integration of decentralised solutions in a centralised system	TS 4.4.6 Holistic urban water management planning	WS 4.10 Sanitation in urban informal Settlements	WS 6.6 Water-Energy Nexus Transdisciplinary Roundtable Discussion	WS 6.7 Lifecycle System Thinking And System Boundaries For Sustainability Assessment Of Water Management	Technical Session
15.00 - 15.15	Coffee break															
15.15 - 16.45	Closing															
Evening	Congress Dinner															