



# KWR & Friends continue to engage in collaborative research for a water-wise world

IWA World Water Congress & Exhibition  
Toronto, 11-15 August 2024

Visit us at

Booth No.

**907**

Time	Monday, 12 August	
09:45-10:30	Morning coffee break - Networking with experts - KWR Booth # 907	
10:30-12:00	<p><i>Technical Session - Room 716A</i></p> <p><b>1.13 New perspectives on net zero utilities</b>  Presentation on examples of scope 4 emission reduction in the water sector.  <i>Marette Zwamborn</i></p>	
12:00	Start lunch	
12:15-12:30	<p><b>Launch of the KWR &amp; Friends Booth - KWR Booth # 907</b>  Official opening of the KWR &amp; Friends Booth with a taste of what is to be expected at the booth.</p>	
12:30-13:15	<p><b>Intergenerational dialogue on the future of (waste)water treatment - KWR Booth # 907</b>  Discussion bridging intergenerational perspectives on the future of (waste)water treatment.</p>	
13:30	End lunch	
13:30-14:15	<p><i>Business Forum - Room 2</i></p> <p><b>How new methods for assessing chemicals in water are revolutionizing our understanding of human health impacts</b>  International perspective on evolving chemical assessment methods enabling a leap forward in regulation and product design.  <i>Milou Dingemans</i></p>	<p><i>Technical Session - Room 716B</i></p> <p><b>2.9 Activated sludge processes – Session 2</b>  Presentation on biokinetic modelling to predict seasonal variations of nitrous oxide emissions from a full-scale wastewater treatment plant.  <i>Siddharth Seshan</i></p>
14:15-15:00		
15:00-15:30	Afternoon coffee break - Networking with experts - KWR Booth # 907	
15:30-17:00	<p><i>Workshop - Room 714</i></p> <p><b>1.19 Reuse and recycle waterworks sludge</b>  Workshop organised by Sydvvatten Water Utility in which KWR-Aquamaterials will present on utilisation of residual materials.  <i>Julian Muñoz Sierra</i></p>	<p><i>Workshop - Room 718B</i></p> <p><b>3.2 Use of genetic methods for microbial water quality testing: A global, water industry-wide survey</b>  Presentation on use of molecular methods (qPCR, dPCR, sequencing) for virus (variant) monitoring of wastewater.  <i>Gertjan Medema</i></p>
	<p><i>Technical Session - Room 715A</i></p> <p><b>6.2 Decades of Evolving water governance - What have we learnt</b>  Presentation on legitimization strategies for water related reuse.  <i>Sandra Sikkema</i></p>	
17:00-17:15	Break	<i>Happy Hour</i>
17:15-18:00	<p><i>Keynote - Exhibition Hall FG</i></p> <p><b>Panel discussion on digital technologies</b>  <i>Dragan Savić</i></p>	<p><b>KWR &amp; Friends celebrate</b>  Organised by KWR and NWP</p>

Time	Tuesday, 13 August	
09:45-10:30	<b>Morning coffee break talk - KWR Booth # 907</b> <b>The future of water: Digital transformation in practice and emerging trends</b> <i>André van Toly (Strategy and Research Manager, Waterbedrijf Groningen) &amp; Wim Audenaert (CEO and Co-founder, AM-Team)</i>	
10:30		<i>Open Meeting - Room 712</i> <b>IWA Cluster on Wastewater-Based Epidemiological Surveillance</b> Open Steering Group and delegates meeting to discuss activities and future plans. <i>Gertjan Medema</i>
12:00	<b>Start lunch</b>	
12:30-13:15	<b>Digital water rapid fire quiz - KWR Booth # 907</b> Rapid fire question gameshow with panel members competing to answer questions on the topic of digital water.	
13:30	<b>End lunch</b>	
15:00		
15:00-15:30	<b>Afternoon coffee break - Networking with experts - KWR Booth # 907</b>	
15:30-17:00	<i>Workshop - Room 716A</i> <b>6.1 Sustainable use of groundwater resources: Storytelling with National Geographic</b> Workshop on the role played by communication and water governance to shape the way in which (ground)water is understood and used - How do we tell the story and arrange things together? <i>Ruud Bartholomeus</i>	
17:00-17:15	<b>Break</b>	



## Our 'KWR & Friends' Booth

**Continued engagement in collaborative research for a water-wise world**

At IWA World Water Congress & Exhibition Toronto, from Sunday, 11 to Thursday, 15 August 2024, we showcase our collective water research achievements and activities, our repertoire of expertise, and the innovation capacity needed to transition to a water-wise world.

With an eye-catching booth and daily programming of state-of-the-art water research, we are once again creating momentum for 'old friends' and 'new friends' that cannot be overlooked. As a KWR delegation, we are known for our capacity to connect with people and share knowledge. Every one of us has a driving force for change in starting a dialogue with every booth visitor or congress delegate we meet.

Time	Wednesday, 14 August	
09:45-10:30	<b>Morning coffee break talk - KWR Booth # 907</b> <b>Potential of international collaboration</b> <i>Gonzalo Meschengieser (CEO, Cámara Argentina del Agua)</i>	
10:30-12:00	<i>Workshop - Room 705</i> <b>1.3 From data to decision making, and back – Digital transformation and AI for the resilient water sector</b> Workshop exploring the role of Digital Water and AI in building a more sustainable and resilient water sector towards present and future challenges. <i>Ina Vertommen &amp; Dragan Savić</i>	<i>Workshop - Room 709</i> <b>1.18 IWA Cluster wastewater-based epidemiological surveillance – Public health value from wastewater data</b> Introduction to the IWA Cluster and insights on different public health values of wastewater surveillance. <i>Gertjan Medema</i>
	<i>Technical Session - Room 711</i> <b>3.5 Occurrence and removal of emerging contaminants – Session 2</b> Presentation on PFAS removal in drinking water treatment using Granular Activated Carbon to eliminate the persistent family of "forever chemicals" addressing adsorption, regeneration and destruction aspects. <i>Martijn van Veggel</i>	<i>Technical Session - Room 714</i> <b>5.1 Collaboration, capacity building and communication – Session 1</b> Presentation on how to frame and govern the Water-Energy-Food-Ecosystem Nexus, drawing insights from application in the Lielupe and Nestos-Mesta River Basin. <i>Caro Mooren</i>  Presentation on conceptualising boundary work activities to enhance credible, salient and legitimate knowledge in transdisciplinary research projects. <i>Lisa Andrews</i>
12:00	<b>Start lunch</b>	
12:30-13:15	<b>Water sector pictiory - How good are you at communicating across disciplines and sectors? - KWR Booth # 907</b> Understanding the challenges and needs for inter- and trans-disciplinary communication and knowledge transfer.	
13:30	<b>End lunch</b>	
13:30-15:00	<i>Workshop - Room 705</i> <b>1.28 Digitalisation of the Water Sector: Challenges and Opportunities</b> An overview of digitalisation in the water sector and the drivers and barriers for digital transformation, using the KWR blueprint for digital transformation, will be shared. <i>Dragan Savić</i>	<i>IWA Specialist Group Meeting - Room 710</i> <b>Health Related Water Microbiology</b> Open meeting for all members who are interested in learning more about what the HRWM Specialist Group is doing and how they can get involved. <i>Gertjan Medema</i>
	<i>Technical Session - Room 718A</i> <b>2.7 Blueprint for a circular water smart society</b> Workshop organised by Water Alliance in which KWR will present on circular water. <i>Marette Zwamborn</i>	<i>Technical Session - Room 701B</i> <b>2.30 Micropollutants in wastewater treatment</b> Presentation on micropollutant biotransformation rates in conventional activated sludge systems. <i>Julian Muñoz Sierra</i>
15:00-15:30	<b>Afternoon coffee break - Networking with experts - KWR Booth # 907</b>	
15:30-17:00	<i>Side Event - Harbourfront Room (Delta by Marriott Hotel)</i> <b>Chemicals of emerging concern: Looking at individual contaminants, chemical mixtures, or the exposome Side Event</b> KWR side event to address key questions, advantages and challenges of monitoring and managing water quality, exposures and risks at different levels of resolution. <i>Milou Dingemans &amp; Aleida Hommes</i>	
17:00-17:15	<b>Break</b>	

Time	Thursday, 15 August
09:45-10:30	Morning coffee break - Networking with experts - KWR Booth # 907
12:00-13:30	Lunch break - Networking with experts - KWR Booth # 907
13:30-15:00	<p><i>Technical Session - Room 709</i></p> <p><b>3.11 Pathogen detection methods treatment</b></p> <p>Presentation on using natural virus markers to safeguard the integrity of membrane treatment plants.</p> <p><i>Aleida Hommes</i></p>

## Meet our experts



*Aleida Hommes*



*Caro Mooren*



*Dragan Savić*



*Gertjan Medema*



*Idsart Dijkstra*



*Ina Vertommen*



*Julian Muñoz Sierra*



*Lisa Andrews*



*Marette Zwamborn*



*Mariëlle van der Zouwen*



*Martijn van Veggel*



*Milou Dingemans*



*Raül Glotzbach*



*Ruud Bartholomeus*



*Sandra Sikkema*



*Siddharth Seshan*

Friend of  
**KWR**



Join us and become  
a Friend of KWR



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#CollectiveResearch  
#WaterInclusiveFuture  
#WaterQuality  
#DigitalWater  
#CircularEconomy  
#WaterReuse  
#PublicDesignforWater  
#WaterTreatment  
#ResourceRecovery  
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