

05
OCT

Digital Water Stage · Extended Programme

Monday 5 October

Mon 5

Tue 6

Wed 7

Thu 8

OPENING · IWA DIGITAL WATER

11:00–12:00

Start-up & Introduction: What to Expect over the Next Four Days

Oliver Grievson (Chair, IWA Digital Water Programme & AtkinsRéalis) · Dragan Savić (Global Advisor, KWR)

We'll cover what to expect from the Digital Water Sessions and also where to engage with Digital Transformation across the World Water Congress & Exhibition as well as some activities of the IWA Digital Water Programme



12:00–13:00

Predict What's Next: Building a New Intelligence Layer for Water

James Sumsion (CEO, Kohtari) · Simon Mahon (Board Advisor, Kohtari & Senior Technology Strategist, Microsoft) · Amy Raynor (Product Manager, Kohtari) · Adrian Goodsell (MD International Growth, Kohtari)

Water companies have more data than ever, but too often the biggest risks are still understood too late.

Predictive water intelligence offers a new way forward. By connecting previously siloed catchment, environmental and operational data, AI and machine learning can help teams spot change earlier and make better decisions to protect drinking water quality.

In this session, Kohtari will show what that looks like in practice, including how predictive intelligence is already being used to anticipate algal bloom risk and turn earlier insight into action.

We'll also be joined by Simon Mahon, Technology Strategist at Microsoft, to explore the bigger picture: what does a truly future-ready water company look like, and how can connected technology and AI help us get there?

STORMHARVESTER

13:00–14:00

Proactive Utility Approaches: Pump Station and Rising Main Alerting

Tori Roberts (StormHarvester) · George Cowell (Yorkshire Water) · Oliver Grievson (Host)



14:00–15:00

How AI and Digital Decision Support Make Water Utilities More Attractive Workplaces

- Water utilities are facing a shortage of experienced operators.
- Digitalization is not just about efficiency; it is also about making complex decisions easier.
- Knowledge is lost during generational turnover.
- AI and decision support can help new employees make sound decisions more quickly.

SIEMENS

15:00–16:30

Unlocking Water's Intelligence: The Power of Digitalization in Action PANEL

Sebastian Guckelberger (Siemens) · John Gaffney (Siemens) · Alan Brown (Northumbrian Water) · Joby Boxall (University of Sheffield)

Digital technologies are transforming water management by enabling real-time visibility, predictive insights, and data-driven decision-making. This panel will explore how utilities are leveraging intelligent digital solutions to improve operational efficiency, resilience, and service delivery. Drawing on the experience of Northumbrian Water and its collaboration with the University of Sheffield, the discussion will highlight practical lessons learned from deploying IoT-enabled monitoring, predictive maintenance capabilities, and advanced resource optimization strategies. Attendees will gain insights into how scalable digital innovations can help utilities build smarter, more sustainable, and future-ready water networks.



16:30–17:30

Open Catchment Intelligence: An Open-Source Tool for Collaborating on River Health

Chris Dawson · James Chapman

Daily Wrap-up · Oliver Grievson

17:30–18:00

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World Water Congress & Exhibition

4-8 OCTOBER 2026 | GLASGOW, UK

www.worldwatercongress.org



09:00–13:00

09:00 Eating the Digital Transformation Elephant

10:00 Schneider Electric Insight Session

👤 Wez Little (Schneider Electric)

10:30 Utility Perspective: Thames Water

👤 Alex Gray (Thames Water)

11:00 Utility Perspective: Yorkshire Water

👤 Katrina Coulson (Yorkshire Water)

11:30 Utility Perspective: SWDE

12:00 Utility Perspective: EMASCA

12:30 Schneider Electric Insight Session



13:00–13:30

The Digital Reservoir: How EMASESA Leveraged Cyber-Physical Systems to Optimise Drinking Water and Wastewater Management

👤 EMASESA

Join EMASESA, one of Europe's leading water utilities and a candidate for the IWA Project Innovation Awards 2026, in its presentation of its Digital Reservoir, an innovative cyber-physical system transforming integrated water cycle management. The initiative combines the Xylem Vue platform, IoT, smart metering, data lakes, digital twins, and AI to enable predictive operations, reduce water losses, improve energy efficiency, and strengthen drought resilience. In this session, EMASESA will showcase how it is turning data into actionable intelligence while engaging citizens in sustainable water use.



13:30–14:00

The Water Sector Doesn't Need More Pilots. It Needs Scalable Outcomes.

- Many technologies already exist.
- The major challenge is scaling.
- The focus must shift from technology to proven business value.



14:00–17:30

14:00 Digital Twins & the Digital Transformation of the Water Industry **PANEL**

👤 Oliver Grievson (Moderator) · David Ogden, Aishwarya Ravi & Jeremy Black (AtkinsRéalis) · Alex Gray (Thames Water)

15:00 Digitising Digital Water Safety Planning

👤 Laura Lytle (AtkinsRéalis)

15:30 Arrow: AtkinsRéalis' AI-Powered Optioneering Tool for Urban Drainage Upgrades

👤 Hamish McClean & Matt Kwan (AtkinsRéalis)

16:00 Predict, Prevent, Protect: AI-Driven Early Warning Systems for Water & Climate Risks **PANEL**

👤 Elspeth McIntyre (Moderator) · Stephen Barge, Stephen Bourne & Ken Hunu (AtkinsRéalis) · Dragan Savić (KWR)

17:00 AtkinsRéalis SIMULATOR: Predict, Prepare, Respond, Recover

👤 Stephen Bourne (AtkinsRéalis)

Daily Wrap-up 👤 Oliver Grievson

17:30–18:00

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Wednesday 7 October

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World Water Congress & Exhibition

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09:00–13:00

09:00 Introduction

Vicky Banks & Oliver Grievson

09:15 Network Calming in Action: Transient Mitigation Examples from Utility Projects

Tony Summerscales (Skewb)

09:45 Beyond Sewer Level Monitoring: From Measuring Chambers to Managing Your Network

Asmir Hajric (UDLive, a Badger Meter brand)

10:15 Consumer Engagement: Changing Water Consumer Behaviour in Times of Scarcity

Matt Stephenson (Badger Meter)

Smart meters open the door to new ways to engage with water consumers, but few utilities are doing it to the max. This presentation explores the key benefits and future potential when a mature smart meter rollout is fully leveraged to incentivise and encourage water users in the best possible ways.

10:45 Water Resilience in a Changing Climate: Can Digital Technology Deliver Sustainability at Scale? PANEL

Oliver Grievson (IWA & AtkinsRéalis)

11:30 Why Your Online UV254 and DOC Measurements Don't Necessarily Match Your Lab Results

Tom Lendrem (Badger Meter)

12:00 Revolutionising Sewer Monitoring Through Advanced Visual Solutions

Phil Bennett (UDLive, a Badger Meter brand)

12:30 Seeing Water Quality in Real Time: Transforming Network Management Across the Globe

Alicia Powell & Tristen Preger (Badger Meter)



13:00–13:30

Digital Twins and Decision Intelligence for Resilient Cities

- Climate change requires faster decision-making.
- Resilience is about being able to anticipate problems before they arise.
- Digital twins and real-time data make this possible.

STORMHARVESTER

13:30–14:00

Innovation Update: Wastewater Treatment Works Alerting

Tori Roberts (StormHarvester)

Qatium

14:00–18:00

14:00 Real-World AI Lessons from Leading Water Utilities PANEL

Qatium, Aguas de Valencia & Anglian Water

This session focuses on practical, real-world deployment of AI in water network operations. Rather than theoretical high-level concepts, the objective is to give the audience clear, actionable insights into how utilities are moving from pilot projects to scaled AI implementations, overcoming data barriers, and building organizational trust

16:00 The AI Build Studio Launch: Prompt to Water App in Minutes LAUNCH

David Monteiro (Qatium)

Unveil the AI Build Studio in an interactive demonstration showing how water sector professionals can rapidly convert operational data into custom utility applications and automated workflows—without needing a dedicated software engineering team.

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World Water Congress & Exhibition

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STORMHARVESTER

09:00–10:00

09:00 Innovation Update: Network Flow Analytics

👤 Brian Moloney (StormHarvester)

09:30 StormHarvester + HydroDigital Partnership for Smart Wastewater Catchments

👤 James Ogden & Tim Ruggaber · Oliver Grievson (Host)

GRUNDFOS

10:00–11:00

From Data Overload to Decision Intelligence

- Decision support helps people.
- Decision support drives adoption.
- Decision support creates resilient cities.

SIEMENS

11:00–12:30

One Water, One Future: Turning Integrated Water Management from Theory to Practice PANEL

👤 Amrutha Venugopal (Siemens) · Martin Crawford (Capgemini)

This panel will showcase how integrated water management can be successfully implemented through digital innovation and cross-sector collaboration. Using real-world examples, the discussion will demonstrate how data analytics, automation, and connected platforms enable utilities to optimize operations, strengthen decision-making, and manage water resources more holistically. The session will explore practical approaches to addressing challenges such as demand variability, infrastructure maintenance, regulatory requirements, and sustainability goals, illustrating how digital transformation helps turn integrated water management from concept into measurable impact.

Digital Water Sessions Wrap-up 👤 Oliver Grievson (Chair, IWA Digital Water Programme & AtkinsRéalis)

12:30–13:00

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