



SWAN 11TH ANNUAL CONFERENCE

Redefining Smart Water

May 24 - 28, 2021



SWAN 2021 Conference Programme

The SWAN 11th Annual Conference was held virtually May 24th-28th as part of the first ever **Smart Water Week**. Each day focused on a different area according to the overarching theme "Redefining Smart Water," including: Building the Foundation, Maximising Your Data, Emerging Markets, Wastewater Value Creation, and Innovation & Collaboration. View the full programme below:

Day 1: Building the Foundation

Conference Introduction

Nadia Abboud, President (ENAY Group) & Tom Freyberg, Founder & Director (Atlantean Media)

Keynote: Carol Browner, Senior Counselor – Sustainability Practice (Albright Stonebridge Group) "The Climate Crisis Demands Smarter Water"

Reimagining Smart Water in the New Decade

Moderator: George Hawkins, CEO & Founder (Moonshot Missions)

- Diane Taniguchi-Dennis, CEO (Clean Water Services, US)
- Cheryl Nelms, GM of Project Delivery (Metro Vancouver Water Services, Canada)
- Stuart Mawditt, Managing Director (SME Water Ltd)

Large-Scale Digital Transformation: From Vision to Reality

Moderator: Benjamin Gillis, Director of Digital Transformation (De Nora Water Technologies)

- Jeffrey Shiner, Principal Engineer (Metropolitan St. Louis Sewer District, US)
- Sam Bright, Innovation Programme Manager (Yorkshire Water, UK) & Ruth Clarke, Business Development Manager, Digital Solutions & Assessment Services (Xylem Water Solutions UK Ltd)
- Sielen Namdar, Global Water Business Lead (Cisco), Adi Karisik, Global Technology Leader (Jacobs), & Janine Nielsen, North American Water/Wastewater Business Development Manager (Rockwell Automation)
- Anil Gosine, Process Control System Administrator (City of Detroit, US) & Dave Johnston, Director of Smart Infrastructure (Mueller Water Products)

Empowering Citizens through Data-Driven Engagement

Moderator: Hugh Sinclair, Asset Management Section Manager (WSSC Water, US)

- Alex Bailey, Smart Asset and Operations Manager (Anglian Water Services, UK)

- Max Herzog, Program Manager (Cleveland Water Alliance)
- Gareth Lewis, Research Fellow (University of Exeter, UK)
- Amrita Gautam, Doctoral Candidate (TU Cologne, Germany) & Project Lead (DrinkPani, Nepal)

Fireside Chat: A Deep Dive into AMI Communication Networks

Moderator: Bobbi Harris, Owner & CEO (Smart Water Smart City)

- Ronan Le Bras, Head of Technical Strategy – IoT & Wireless Networks (Orange + LoRa Alliance Ambassador)
- Kristie Anderson, Marketing Manager (Badger Meter)

Day 2: Emerging Markets

Master Class: Managing the Utility Customer Experience

Led by Raghu Bharadwaj, Head of ICT Strategy & Digital Metering (Yarra Valley Water, Australia)

The Key Role of Smart Water in Emerging Markets

Moderator: Mai Flor, Executive Director (WaterLinks)

- Ari Bimo Sakti, IT Manager (PDAM Surya Sembada, Indonesia)
- Grégoire Landel, CEO and Founder (CityTaps)
- Carmen de Miguel, Water & Wastewater Segment Strategy (Schneider Electric)
- Craig McVeigh, CEO (Similie)

Fireside Chat: Smart Water in India

Led by Dr. Bhakti Devi, National President (WICCI, Water Resources Council, India)

- Rajiv K N, Additional Chief Engineer (Bangalore Water Supply and Sewerage Board, India)

Day 3: Maximising Your Data

SWAN Update

Amir Cahn, Executive Director, Shirley Ben-Dak, VP Strategy & Innovation & Sapir Yarden, Operations & Ecosystem Lead (SWAN Forum)

Welcome Remarks & Introduction

Mike Strahand, SWAN Ambassador & Consultant (SWAN Forum)

Maximising Data, Maximising Results

Moderator: Damien Pichon, Project Manager (KISTERS)

- Vincent Rivera, Intelligent Water System Architect (LADWP, US)
- Dr. Ashley Ward, Senior Policy Associate (Duke University, US)

- Chris Sosnowski, CEO (Waterly Software) & Damon Sepe, Business Development Manager- W/WW Industry (Rockwell Automation)
- Dominique Derangere, Head of Water/Sanitation Dept. & Fabrice Paccamiccio, Head of Drinking Water (NEVERS Agglomeration, France)

Keynote: Ted Henifin, General Manager (Hampton Roads Sanitation District, US)
"Hard Lessons in Hard Times"

Fireside Chat: Securing Your Network by Design

Led by Peter Diffley, Senior Manager Global Partnerships (VTScada by Trihedral)

- Kristen Sanders, Chief Information Security Officer (Albuquerque Bernalillo County Water Utility Authority, US)

1st Interactive Roundtable Session

Prioritising & Optimising your Assets (Part 1)

Moderator: Megan Glover, Co-Founder & CEO (120Water)

- Andreu Fargas-Marques, Innovation, Technology & Energy Manager (Consorti Aigues de Tarragona, Spain)
- Sebastián Otero, Network Manager (Essbio, Chile)
- Frank van der Hulst, Chief Technology Officer (Acquaint B.V.)
- Gregory Baird, President (Water Finance Research Foundation)

Day 4: Wastewater Value Creation

Prioritising & Optimising your Assets (Part 2)

Moderator: Chuck Hansen, Chairman & CEO (Electro Scan Inc.)

- Jack Cunnington, Asset Management Engineer (City West Water, Australia) & Michelle Aguilar, CTO and Co-Founder (VAPAR)
- Rocky Welborn, Senior Engineer (East Valley Water District, US) & Juan David Santamaria Sanchez, Solutions Manager (Syrinx Ltd.)
- Jennifer Dooley, GIS Administrator (Moulton Niguel Water)

2nd Interactive Roundtable Session

Keynote: Lara Olsen, Managing Director (South East Water, Australia)

"Redefining Smart Water: From Reactive to Precision"

Revolutionising Urban Drainage Management

Moderator: Emma Harris, Head of Smart Hub (Dŵr Cymru Welsh Water, UK)

- Jody Knight, Asset Technology Manager (Wessex Water, UK)

- Barbara Greenhill, Project Manager (BIOFOS, Denmark) & Laura Frølich, Data Scientist (DHI)
- Eamon Casey, Technical Director (Iota)
- Phil Tomlinson, Commercial Director - EMEA (Metasphere Ltd.)

Leveraging Biosensors for Public Health

Moderator: Lydia Vamvakeridou-Lyroudia, Programme Director (KWR Water Research Institute)

- Antonio Lastra, Innovation Coordinator (Canal de Isabel II, Spain)
- Ted Smith, Center Director (University of Louisville School of Medicine)
- Tom Williams, CEO (Enebio)

3rd Interactive Roundtable Session

Achieving Intelligent Recovery & Reuse

Moderator: Justin Mattingly, Office of Water Reuse (US EPA)

- Nele Philips, Program Manager R&D – Industry 4.0 (De Watergroep, Belgium)
- Cezar Augusto da Rosa, Innovation Researcher & Chemical Engineer (Augen/Corsan, Brazil)
- Andrew Salvesson, Vice President (Carollo Engineers) & Kevin Hardy, Executive Director (National Water Research Institute)
- Peter Alexander Stentoft, Data Scientist & Software Developer (Veolia Water Technologies)

Day 5: Innovation & Collaboration

Master Class: Transformation to a Digital Utility (The Shift from Reactive to Predictive) *Led by Peter O'Donoghue, CIO (South East Water, Australia)*

Keynote: Paul Iske, Chief Failure Officer (Institute of Brilliant Failures) "Brilliant Failures: Working Together, Failing Together, Learning Together"

Innovative Business Models Driving Value Creation

Moderator: Pia Yasuko Rask, Senior Director, SafeWater (Grundfos)

- James Theiler, Assistant Director Environmental Services (City of Omaha Public Works, US)
- Meena Sankaran, Founder & CEO (KETOS)
- Eric Bindler, Research Director - Digital Water (Bluefield Research)
- Andreas Schroeder, Associate Professor (Aston University, Advanced Services Group, UK)

Seeing the Unseen with Integrated Water Loss Management

Moderator: Mikal Wilmott, Leakage Assurance Analyst (Severn Trent Water, UK)

- Maurizia Brunetti, Water Supply Technical Coordination Manager (HERA, Italy) & Camilla Braithwaite, Product Manager - WaterSAT (Rezatec)
- Daniel Woodworth, Network Strategy Manager (SES Water, UK)
- Martin Vaerum, Product Manager (Kamstrup Water Metering LLC)
- Johanna Sörensen, Postdoctoral Researcher (Lund University, Sweden)

Future Proofing through Workforce Collaboration

Moderator: Kishia L. Powell, Chief Operating Officer (DC Water, US)

- Wole Ralph, Director of Strategy & Operations (City of Atlanta Dept. of Watershed Mgmt, US)
- Joukje Keuning, Program Manager Infra 2025 (Vitens, Netherlands)
- Zakiya Seymour, Expert Management Consultant (Arcadis)
- Prabhu Chandrasekeran, Digital Water Transformation Practice Leader (Stantec)

Closing Remarks

Manuel Parra, Vice President Strategic Partnerships and Alliances (Xylem Inc.)