SWAN – Making Water and Wastewater Systems More Intelligent
The SWAN Forum

- The Smart Water Networks Forum (SWAN) is the leading hub for the smart water and wastewater sectors

- A UK-based non-profit, SWAN brings together key players in the water sector to accelerate the awareness and adoption of data-driven technologies in water and wastewater networks worldwide
The Smart Water Hub
SWAN Partners
SWAN Utility Advisory Group

Joone Lopez
General Manager, Moulton Niguel Water District (US)

Dale Walker
Head of Smart/OT Programme, Dŵr Cymru Welsh Water (UK)

F. Javier Fernández Delgado
Deputy Director (ICA), Canal de Isabel II (Spain)

Rita Narangala
Manager, Improvement Design and Delivery, Yarra Valley Water (Australia)

Sebastián Otero
Network Manager, Essbio (Chile)
What is a Smart Water Network?
SWAN’s Goals
Build Educational Awareness

**SWAN infographic:** “Smart v. Traditional Urban Water Resources Management”

**Publications:** Journal AWWA, Australian Water Management Review, Journal Water & Sewerage

**Animated clips:** “The Customer Benefits of Smart Water Networks” in English and Spanish
Share Member Knowledge

(WASTEWATER NETWORK MANAGEMENT)

Leak Detection Case Studies

Transmission Main Leak Detection in New Jersey (Echologics)

Successful Acoustic Monitoring in the UK (Syrinix)

Permanent Leakage Monitoring Benefits in Germany (Gutermann)

Installing Flow Meters in Asia (ISOIL)

Water Savings in Abu Dhabi (Schneider Electric)

Drying Up Water Leaks in Halifax (OSIsoft)

(SWAN Interactive Tool, Wastewater Network Management Solution)  (SWAN Research Portal, Leak Detection)
Produce Cutting-Edge Research

White Paper: Applying Data-as-a-Service to the Wastewater Sector

White Paper: The Social Layer of the Smart Water Journey

Report: Data-Driven Solutions to U.S. Wastewater Challenges

White Paper: Benchmarking Quality of Service

White Paper: Communication in Smart Water Networks

SWAN Global Utility Survey
SWAN 10th Annual Conference
Moving Beyond Data to Value Creation

400+ Attendees
32 Countries
25 Utility Speakers

Cutting-Edge Panels Such As:
- Aligning People & Strategy
- Bridging IT/OT - Best Global Practices
- Next-Gen Wastewater Management
- Holistic Network Integration
- Digital Resilience in the New Normal

Virtual Swag Bag with Latest Industry Reports:
- Bluefield Research
- Water Online
- Wordnerds
- ADD+ Strategy
SWAN Americas Alliance – 1st Year Accomplishments

1st Webinar on “Promoting a Data-Enabled Smart Water Future” on Nov. 1st

Water Readiness Guide: Policy recs. for new administration to create a resilient water future

1st Alliance Workshop with Cleantech San Diego, attracting over 200 participants

SWAN Research Portal: A repository of smart water resources

2nd Webinar on “Boosting Smart Water Policy” on June 8th

3rd Webinar on “Delivering Smart Water Solutions in Wastewater Networks” on Sept. 20th

Added strategic partners: Alliance for Water Efficiency, Cleantech San Diego, Current, Global Water Technologies, Global Water Works, IoT Impact Labs, Isle, NACWA, Smart Cities Council, WRF, WE&RF and WEF
SWAN Americas Alliance – 2nd Year Accomplishments

Nov. 2017

2nd Alliance Workshop at Uptake in Chicago focused on digital solutions to Midwest water challenges

March 2018

4th Webinar on “Cyber Security Threats and Opportunities” on March 27th

August 2018

5th Webinar on “Smart Wastewater Solutions: Addressing Stormwater Challenges” on Aug. 5th

Oct. 2018

6th Webinar on “Uncovering Canada’s Smart Water Solutions” on Oct. 22nd

Nov. 2018

3rd Alliance Workshop at the CWWA Annual Conference in Montreal on Nov. 4th

Added strategic partners: Alliance to Save Energy, Cleveland Water Alliance, H2OTECH, Resilient Utility Coalition, Water Online
SWAN Americas Alliance – 2019 Events

May 2019

9th Annual Conference
“Navigating the Smart Water Journey: from Leadership to Results” in Miami

June 2019

7th Webinar on “The LATAM Smart Water Journey: Three Innovative Case Studies”

Sept. 2019

8th Webinar on “Machine Learning & AI: Enhancing Water Asset Management”

Nov. 2019

9th Webinar on “Fostering Innovation & Collaboration in Smart Water and Wastewater”
SWAN Asia-Pacific Alliance
SWAN APAC Alliance Lead Partners
SWAN APAC Alliance – 1st Year Accomplishments

May 2018

1st Webinar feat. PUB, Watercare, and Unitywater

July 2018

Smart Water Forum at SIWW focusing on “Smart and Digital Transformation for Water Utilities”

Nov. 2018

2nd Webinar feat. QUU, Sydney Water, and Coliban Water

July 2019

1st Workshop hosted by Unitywater in Noosa Heads, Australia

August 2019

3rd Webinar feat. Maynilad, Ranhill Water Services and Jalur Cahaya Sdn Bhd
SWAN European Utility Alliance Members
Timeline of Calls

JULY 2019
ADVANCED ASSET MANAGEMENT
FEAT: ALVA & HSY (FINLAND)

OCT 2019
EARLY WARNING SYSTEMS
FEAT: METROPOLITANA MILANESE (ITALY) & TARRAGONA (SPAIN)

FEB 2020
NEXT LEVEL WATER LOSS MANAGEMENT
FEAT: AGS (PORTUGAL) & PORTSMOUTH WATER (UK)

APRIL 2020
COVID-19 + DIGITAL TWINS
FEAT: GLOBAL OMNIUM (SPAIN) & VCS DENMARK

JULY 2020
THE SWEDISH SMART WATER EXPERIENCE
FEAT: VA SYD & SVOA (SWEDEN)
Collaborating to develop a common strategy for adopting Digital Twin solutions by bringing together global water leaders from utilities, solution providers, engineering firms, government, and academia.
HOLISTIC ARCHITECTURE SUBGROUP
What are best approaches & technologies for creating a useful, scalable, and high-performing Digital Twin?

OUTCOMES & ROI SUBGROUP
How can we prioritise outcomes to navigate options and deliver tangible benefits for Digital Twins?

LIFECYCLE SUBGROUP
How can we understand the Digital Twin lifecycle from design to construction to operation to the customer experience?
New SWAN Digital Twin Architecture
Rising Smart Water Professional (RiSWP)

A group of students and young professionals passionate about connecting smart data-driven solutions to challenges in the water and wastewater sectors

Leadership Team

Emma Weisbord  Muhundhan Mohan  Rudi Botha  Jessica Ertel  Lisa Andrews
Global SWAN Membership Benefits

SWAN Members receive access to:

• Cutting-edge **SWAN research** reports and industry tools

• **1-4 free passes** to the SWAN Annual Conference

• Chance to become a **Lead Partner** in a SWAN regional Alliance (Americas, Asia-Pacific, European Utility) and SWAN Digital Twin H2O Work Group shaping the future of water and wastewater networks worldwide

• **Networking** opportunities within SWAN’s global community and the ability to promote your own research and insights

• **Discounts** to leading global industry events and insider reports

**Join and learn more:**
www.swan-forum.com/join
To learn more, email Amir:
amirc@swan-forum.com