



WET NETWORKS 16 November 2023

Past, Present and Future

Venue: Arup, 8 Fitzroy Street, London and Virtual

Join us for our next Wet Networks event, in person at Arup's London office or virtually. Celebrating the 20th Anniversary of this event series, bringing together the water sector to accelerate innovation. This special edition will see us reflect back on changes in the sector over twenty years, and the role innovation has played – and is playing – in evolving the sector. How has it helped to deliver ever higher levels of customer service, protect the environment and improve the working conditions of all those who are committed to the safe supply of water and sanitation across the UK. We will also explore what the future of innovation could look like – what will be business as usual for the water sector in the next twenty years?

Event time: 5:00 - 8.30 pm

5:00 pm Introduction to Wet Networks

5:05 pm Chair's Introduction

5:15 pm Keynote panel

5:30 pm Innovation presentations

6:30 pm Charity presentation

6:40 pm Chair's close

6:50 pm Networking / Refreshments

8:30pm Event Close

Guest Chair – Martin Shouler

Martin is an experienced engineering consultant working in water supply, drainage, wastewater engineering, and surface water management. Working across infrastructure and building engineering, Martin leads Arup's Water Business in London. Martin has extensive experience working internationally and has overseen Arup work on Urban Water Resilience in over 15 cities globally. He is passionate about innovation in the water sector. Martin has been the Wet Networks Event Director since 2015.

Maia Diffey, Arup

Event Coordinator

+44 20 7755 3034

maia.diffey@arup.com

Martin Shouler, Arup

Event Director

+44 20 7755 3598

martin.shouler@arup.com

[Eventbrite Tickets](#)

Panel Discussion

Innovation in the water sector: Past, Present and Future

Mark Lane
Founder
Wet Networks
marklane@water-mark.co.uk

Around 20 years ago, Mark was a partner and Head of Water Group at a leading City law firm. In the course of his daily work of drafting and negotiating contracts for water, wastewater, and desalination projects, he had become increasingly interested in the growing and pressing need for new technologies in the global water space, and of the difficulties that start-ups encountered in trying to commercialise their new technologies. He felt that one solution lay in initiating a periodic forum at which young companies with interesting new technologies who were looking for funding could present their offering to a broad-based group of active players in the water industry. Thus, the ongoing series of events known as Wet Networks was born.

Steve Kaye
Chief Executive Office
UKWIR
Skaye@ukwir.org.uk



Steve Joined UKWIR in September 2018. Before joining UKWIR Steve held key roles at Anglian Water in capital delivery, operations and as Head of Innovation. He is a chartered mechanical engineer and has 30 years' experience in the water industry. He has an MBA from City University in London and is a Visiting Professor at Imperial College. He has supported and led various open innovation platforms and networks in the sector, helping to engage academia and the supply chain in developing innovative solutions that meet water industry needs.

Garry Moore
Velocity
inventmoore@yahoo.com



Garry is an apprentice trained engineer and accomplished industrial model maker with full machine workshop and rapid prototyping capability. He has filed patents for 18 inventions in the field of 'displaced air' WC flushing systems and presented technical papers on wastewater transportation. Garry founded Propelair Limited in 2001 with the sole purpose of developing and marketing the 'displaced air' technology, achieved through a series of proof-of-concept models and working prototypes for evaluation by the authorities and field trials, which has been funded by a series of private equity investments. Following 5 years of intensive R&D and product approvals, Garry developed a high-volume

manufacturing strategy with an existing UK manufacturer, and orchestrated the product launch in March 2013.

Innovation Presenters

Manhole Metrics

Will Dubin

Founder

will@manholemetrics.com



Innovative sensors and software for proactive flood prevention

Will is the founder of ManholeMetrics, a tech start-up tackling flooding with innovative sensors and software. After falling victim to a flood, and realising not just the current scale of flooding, but also the future threat it poses thanks to climate change and urbanisation, Will founded ManholeMetrics, leveraging his background as a Civil Engineer and his experience working on infrastructure projects such as the Tideway Super Sewer.

ManholeMetrics is developing low-cost, long-life and easy to install manhole sensors alongside associated management and analytics software to enable proactive flood prevention. The company has received numerous grants including from Innovate UK as well as the Mayor of London and the Royal Academy of Engineering, where Will was awarded an Enterprise Fellowship. More recently the team received venture backing from a consortium of top investors. The firm has field trials underway with Yorkshire Water with other trials upcoming with infrastructure operators in both the UK as well as the US and Europe.

Yellow Sub Hydro

Jason Morrissey

Chief Technical Officer

jason@yellowsubhydro.com



Water modelling. Mind the Gap!

Jason is an accomplished and industry leading applied mathematician and engineer with expert domain knowledge in solving water and groundwater problems around the world. He has applied his skills across a variety of sectors and industries and is now baking his expertise into software with a view to changing the odds on water.

Yellow Sub Hydro is a digital water technology company. We are developing Software and Software as a Service (SaaS) products designed to reimagine water resource management and stakeholder engagement as we know it.

Resting Reef
Aura Murillo and Louise Skajem
Co-Founders
aura@restingreef.co.uk
louise@restingreef.co.uk



Resting Reef is an eco-memorial service that regenerates life in people's afterlives and radically changes how we see and experience one of the most traumatic events in our lifetime - death. Resting Reef does this by building artificial reef structures with a formula containing human ashes and crushed oyster shells, two elements that nourish and promote marine growth, as an eco-friendly alternative to traditional burial methods.

Resting Reef is here to change the negative impact on the environment of current burial and funeral practices with an eco-friendly memorial and burial service that restores endangered marine ecosystems. With Resting Reef people can generate a positive impact on the planet for generations to come. By restoring endangered marine ecosystems like native oyster reefs, they are able to filter water, prevent coastal erosion, sequester carbon and increase biodiversity.

Charity Presentation

Frank Water
Jon Shepherd
Head of Programme & Funding
jshepherd@frankwater.com



Nature Based Solutions for Tackling Global Challenges in Urban and Rural Settings

Jon has more than 15 years' experience of working on development and humanitarian projects, having worked extensively across the world before arriving at Frank Water in 2014. Jon has been key in the expansion of our programmes and partnerships with Indian, Nepalese & Kenyan NGOs and with UK researchers and advocates. Jon has leads the programmes strategy – using an integrated water resource management (IWRM) approach to make progress on water, sanitation and hygiene promotion (WASH).

Frank Water believes every person should have access to the basic human right of safe, clean water. We work with remote and tribal communities, helping them to sustainably manage their own water resources. In doing so, they can build a future where their families have enough water to live and thrive. Our vision is of a global water system in which everyone, everywhere has enough safe water to stay healthy, sustain their livelihoods and unlock their potential.

Arup and WRc are joint conveners of the Wet Networks innovation series of events. The purpose of these events is to provide a platform for start-ups and SMEs with interesting innovation in the water space to present to potential funders and other interested parties. The events also provide an opportunity for networking and exchange of ideas between senior players in the water technology space and the industry. The programme provides an overview of the presenting companies and their technologies and solutions. You are encouraged to contact any of innovation presenters directly.



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**BRITISH
WATER**

UKWIR
UK Water Industry Research

THE UK WATER PARTNERSHIP

**water
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