



Annual Conference

**From reedbeds to nature-based solutions:
25 years of UK constructed wetlands for water quality
improvement**

21st and 22nd October 2025

Coventry University Technology Park

Draft Programme

Day One

21st October

Time	Topic		Speaker
09:00	Registration and coffee		~
09.30	Welcome		Gaby Dotro Chair of CWA
MORNING SESSION			
09.45	Keynote: “Surface flow wetlands and Uisce Éireann: lessons learnt and the future”		Thomas Shryane Uisce Éireann
10.30	Major developments and lessons learned from over three decades of treatment wetland design, innovation and industry collaboration		Andy Freeman ARM Group Ltd.
10.50	An innovative application of an Integrated Constructed Wetland approach to stormwater management - Hinckley Integrated Constructed Wetland		David Holland & Aila Carty Salix & VESI
11.10	Break		
11.30	HEC-RAS Modelling to help mitigate erosion in the Hinckley Wetlands		Ed Ruswa Jacobs
11.50	Early Career Presentations: 1. Dearne Reach Integrated Constructed Wetland (Olivia Rowe) 2. Success or Failure? Evaluating the nutrient removal potential of nature-based solutions for small rural wastewater treatment plants (Ilgin Kokababuc) 3. ARMPhos™ reactive media for P removal performance review (Amy Harley)		
12.10	Efficiency of the first stage French system on a combined sewerage system		Tereza Semrádová Brno University of Technology
AFTERNOON SESSION			
13.00	Group 1 to Wetland site (Gaby Dotro)	Group 2 – Urban park (Lucy Crockford)	Wetland site Lead: Steven Spall (Severn Trent) Urban Park Lead: Ian Jelley (Warwickshire Wildlife Trust)
13.20	Tour of Wetland site	Tour of Urban park	
14.30	Group 1 to Urban park	Group 2 to Wetland site	
15.00	Tour of Urban park	Tour of Wetland site	
16.00	Return to conference		
16.30	Day wrap up and poster exhibition		Gaby Dotro CWA
19.00	Conference Dinner – Cosy Club (Cathedral Lanes Shopping Centre, Broadgate, Coventry, CV1 1LL)		

Day Two

22nd October

Time	Topic	Speaker
9.00	Registration and coffee	~
9.25	Welcome	Gaby Dotro CWA
MORNING SESSION		
9.30	Keynote: Applying Nature-Based Solutions in Urban Environments – Challenges, Limitations, and Insights from Case Studies	Magdalena Gajewska Gdansk University of Technology
10.15	How environmental policy is shaping wetland design	Ellen Genetello Stantec
10.35	Phosphorus removal from sewage with surface flow treatment wetlands: lessons learnt	Gaby Dotro NbS Future
10.55	Coffee Break	
11.15	Early Career Presentations: 1. Natural England Lost Wetlands Pond and Wetland Opportunity Mapping (Ellie Fairgray) 2. Dynamic Approaches to Wetland Optioneering and Development (Megan Annetts) 3. Suitability of constructed wetlands for greywater treatment to irrigate horticultural plants (Katherine De Georgio)	
11.30	UK Regulators Panel: Treatment wetlands for future water challenges	Natural England Environment Agency Natural Resources Wales Defra
12.45	Lunch and Poster Exhibition	
AFTERNOON SESSION		
13.45	Sustainable Water Recycling Using Constructed Wetlands	Katie Bell Hazen and Sawyer
14.00	Nuffield Farming Scholarship – Global Perspective on Wastewater Treatment and Reuse	Tom Young TEP
14.25	Mentoring over coffee	
15.00	Performance of an Integrated Constructed Wetland for the management and treatment of municipal wastewaters in Ireland; ongoing and emerging challenges	Caolan Harrington VESI Environmental
16.00	Identifying Multiple Benefit Catchment-Scale Solutions Digitally	Kirstie Thistlethwaite Stantec
16.10	Conference wrap	Gaby Dotro CWA

Keynote Speakers

“Applying Nature-Based Solutions in Urban Environments Challenges, Limitations, and Insights from Case Studies”

Prof Magdalena Gajewska

Gdańsk University of Technology



Professor [Magdalena Gajewska](#) is a pioneering expert in nature-based solutions who led the implementation of Poland's first urban rain gardens in Gdańsk, making it a model city for sustainable stormwater management. As a full professor at Gdańsk University of Technology and coordinator of the EcoTech Center, she specializes in urban water management, treatment wetlands, and SuDS/water sensitive urban design systems. She has led 20+ research projects and served as president of the IWA Specialist Group on Wetland Systems for Water Pollution Control (2016-2020). Her work directly addresses climate adaptation challenges in cities, combining technical innovation with ecosystem services to create resilient urban water infrastructure.

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“Surface flow wetlands and Uisce Éireann: Lessons learnt and looking to the future”

Mr Tommy Shryane

Uisce Éireann



[Tommy Shryane](#) is a Wastewater Treatment Manager at Uisce Éireann working in Asset Management. Having qualified as a Civil Engineer in 1999 Tommy worked in an engineering consultants on water and wastewater Projects before moving to Uisce Éireann in 2014. He is involved in the development of Uisce Éireann's 5 year capital investment plans, which entails the assessment and prioritisation of wastewater treatment plan upgrades to meet growth and compliance targets. Tommy has progressively integrated Nature-based Solutions (NbS) into the Uisce Éireann wastewater management strategy, aligning with broader sustainability goals and biodiversity commitments. This approach has resulted in a national delivery framework which supports the rollout of NbS, with multiple projects currently in various stages of planning, design, and construction.

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