



Annual Conference

**TREATMENT WETLANDS: SOLUTIONS FOR WATER AND
LANDSCAPE MANAGEMENT**

Proudly sponsored by:



12th and 13th May 2026

Glasgow Caledonian University

Draft Programme

Day One

12th May

| Time | Topic | Speaker |
|--------------------------|--|---|
| 09:00 | Registration and coffee | ~ |
| 09.30 | Welcome | Gaby Dotro Chair of CWA |
| MORNING SESSION | | |
| 09.45 | Keynote: “Global and Local Collaborations Delivering Multi-Benefit Place-Based Solutions for Water, Climate and Communities” | Dr Rebecca Wade Abertay University |
| 10.30 | Building Better Wetlands: The Power of Stakeholder Engagement | Abi Cousins Binnies |
| 10.50 | Bridging Policy Support and Practical Implementation of Constructed Wetlands in Latvia | Linda Grinberga Latvia University |
| 11.10 | Break with poster exhibition | |
| 11.40 | Stormwater Wetlands – Collaboration on the Realisation of Defra Policy | Lisane Maus, David Naismith & Geoff Sweaney Stantec, Mott MacDonald & Wetland Engineering |
| 12.00 | New Wetland Professionals session (1): 1. Surface flow wetlands for emerging organic micropollutants removal (Rubin Das) 2. Spatial and temporal dynamics of methane and carbon dioxide fluxes in a constructed wetland (Charlotte Harding) | |
| 12.20 | Sewage Treatment Wetlands in the UK: Best Practice Guide | Gaby Dotro CWA & NbS Future |
| 12.30 | Reflections from Three Decades with Reedbeds & Technical Tour Briefing | Stewart Moir Moir Environmental |
| AFTERNOON SESSION | | |
| 13.30 | Travel to Hansel | Wetland site Lead: Stewart Moir Moir Environmental |
| 14.20 | Site visit: tertiary reedbed, storm-only reed bed, flow attenuation pond and wetland | |
| 16.00 | Return to conference venue | |
| 19.00 | Conference Dinner – Glasgow Caledonian University | |

Day Two

13th May

| Time | Topic | Speaker |
|--------------------------|--|---|
| 09:00 | Registration and coffee | ~ |
| 09.25 | Welcome to day 2 | Gaby Dotro Chair of CWA |
| MORNING SESSION | | |
| 09.30 | Keynote: “In-Stream Treatment Wetlands for Mitigating Diffuse Pollution in Rural Landscapes in Estonia: Achievements, Challenges, and Lessons Learned” | Dr Margit Kõiv-Vainik University of Tartu |
| 10.15 | Treatment wetlands for PFAS: from sewage works to receiving rivers | Tao Lyu Cranfield University |
| 10:35 | Long term performance evaluation of floating and aerated wetlands treating stormwater runoff at Europe’s Busiest Airport | Andy Freeman ARM |
| 10:55 | Mentoring session over coffee | |
| 11.55 | New Wetland Professionals session (2): 3. Long-Term Reliability of Nutrient Compliance in a Full-Scale Integrated Constructed Wetland (Ayisha Affo Souleymane) 4. Multi-Sensor Monitoring of Wetland Degradation to Support Catchment-Scale Water and Landscape Management in Semi-Arid Systems (Rana Waqar Aslam) | |
| 12:15 | Lessons from long-term performance of the UK’s first full-scale wetland for zinc/lead metal mine water treatment | Prof Adam Jarvis Newcastle University |
| 12:35 | Lunch & Poster exhibition | |
| AFTERNOON SESSION | | |
| 13:40 | Special Session: Lessons Learnt from Wetlands Research And Practice Guest Speaker: A technology pioneer’s perspective Guest Speaker: A water utility’s process scientist perspective | <i>Details coming soon!</i> |
| 14:40 | Workshop session | Gaby Dotro CWA |
| 15:10 | Prizes and conference close | Gaby Dotro CWA |

Keynote Speakers

Global and Local Collaborations Delivering Multi-Benefit Place-Based Solutions for Water, Climate and Communities

Dr Rebecca Wade

Abertay University, Scotland



[Dr Rebecca Wade](#) is a Senior Lecturer in Environmental Science at Abertay University. She works collaboratively across disciplines and sectors to address climate, nature and societal challenges. Rebecca's research and practice link urban water engineering, river restoration, and sustainable infrastructure to the delivery of multiple environmental and societal benefits. In 2003, Rebecca co-founded SUDSnet, an international community of practice for researchers and practitioners focused on sustainable urban water management. She holds director and trustee roles with science engagement and environmental organisations in Scotland, and has received a number of awards recognising her contributions to the field, including Top 50 Women in Engineering 2024 and the RRC UK Rivers Prize 2023.

Rebecca will draw on her experience spanning research, practice and international collaboration to explore how place-based approaches — rooted in local knowledge and delivered through cross-sector partnerships — can deliver multiple benefits for water quality, climate resilience and communities.

In-Stream Treatment Wetlands for Mitigating Diffuse Pollution in Rural Landscapes in Estonia:

Achievements, Challenges, and Lessons Learned

Dr Margit Kõiv-Vainik

University of Tartu, Estonia



[Dr Margit Kõiv-Vainik](#) is an Associate Professor in Environmental Technology at the Department of Geography, in the Institute of Ecology and Earth Sciences, University of Tartu, Estonia. Her interdisciplinary research focuses on process-based development and optimisation of nature-based water solutions — including constructed treatment wetlands and sustainable stormwater systems — to improve removal of highly problematic contaminants from polluted waters, spanning urban stormwater, agricultural diffuse runoff, landfill leachate, municipal and aquaculture wastewater, and greywater. Kõiv-Vainik's research integrates ecological processes, phytotechnology, and environmental engineering to improve the performance and resilience of nature-based solutions under multiple stressors.

Margit will present on decades of experience with treatment wetlands for diffuse pollution management in the landscape under cold weather conditions, drawing on collaborative work led by Prof. Kuno Kasak at the University of Tartu.

Posters

| ID | Title | Author(s) |
|----|---|---|
| 1 | Enhancing substrate performance using biochar in a Hybrid Constructed Wetlands for dairy soiled water treatment | Prisca Nyamukondiwa |
| 2 | Biomimicry: Constructed Wetland and Slow Sand Filter Integration | Tharun Kumar |
| 3 | Phosphorus removal in constructed treatment wetlands: A systematic review | Chris Webb |
| 4 | Vertical flow Constructed Wetland Embedded with Biochar for Pharmaceutical Wastewater Treatment | Mohini Dagar |
| 5 | Rodway Green Outfall | Connie Hodge |
| 6 | Hanningfield Sludge treatment reed beds- 15 years' experience with full-scale treatment of water works sludge | Amy Harley, Andy Freeman, Steen Nielsen, Clodagh Murphy, Stephen Harvey, David Cooper |
| 7 | Ensuring treatment wetlands are nature-based solutions: lessons learnt from applying the IUCN Global Standard to DCWW's schemes | Victoria Wilson, Natascha Wahlberg Macias and Gabriela Dotro |

There is still time to submit your poster if you are a **New Wetland Professional**
 The deadline is 24th April.
 Send us your 150 word abstract to events@constructedwetland.co.uk
 and enter the competition for Best Poster Award!

CWA Committee



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NbS Future



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