

CWA ANNUAL CONFERENCE

27/28 September 2017

Slimbridge Wetlands Centre, Gloucestershire



DAY 1 PROGRAMME in association with **CIWEM** Chartered Institution of Water and Environmental Management

- 09.00 Coffee and registration
- 09.30 Welcome to CWA and group introductions
- 09.40 Introduction to constructed wetlands
Dr Matthew Simpson, Associate Director, WWT Consulting
- 10.20 Choosing the right wetland - considerations for designing treatment wetlands
Clodagh Murphy, Research Manager, ARM Ltd
- 11.00 BREAK
- 11.20 Wetlands for catchment management - agriculture and SUDS
Stewart Moir, Managing Director, Moir Environmental Ltd
- 12.00 Interactive group session
- 13.00 LUNCH
- 14.00 Theory into practice – a tour around the treatment wetlands serving the
Slimbridge Wetlands Centre to illustrate the mornings learnings
Led by Dr Matthew Simpson, Associate Director and David Naismith, Senior
Consultant, WWT Consulting
- 16:30 Refreshments and snacks followed by CWA AGM
- 18:00 DAY ENDS
- 18:30 Drinks at the Tudor Arms, Slimbridge

DAY 2 PROGRAMME

08:45 Coffee and registration

09:15 Welcome - Geoff Sweaney, Chair, CWA

INTEGRATING THE BENEFITS OF WETLANDS AS GREEN INFRASTRUCTURE

09:30 The future of rural wastewater treatment works
Prof Bruce Jefferson, Professor in Water Engineering, Cranfield University

10:00 Engaging local community
Rev David Walker, Commercial Director, Detectronic Ltd & Lea Brook Valley CIO

10:30 How constructed reedbeds contribute to biodiversity
Marie Athorn, PhD Student, University of Nottingham

11:00 BREAK

APPLICATIONS OF WETLANDS AS GREEN INFRASTRUCTURE

11:30 Latest insights into the UK's working wetlands
Dr Chloe Hardman, Working Wetlands Development Officer, Wildfowl & Wetlands Trust

12:00 One pond, two swales & two basins: a story about a retrofit SUDS using constructed wetlands
Stewart Moir, Managing Director, Moir Environmental Ltd

12:30 LUNCH

13:30 Vertical flow wetlands for tertiary wastewater treatment in rural works
Dr Gabriela Dotro, Senior Research Fellow in Environment Engineering, Cranfield University

14:00 Combined Sewer Overflow (CSO) treatment by Aerated Wetland
Patrick Hawes, Wetland Wastewater Treatment Process Consultant, ARM Ltd

14:30 BREAK

TECHNOLOGICAL DEVELOPMENTS

15:00 Supercharging a surface flow wetland with pure oxygen
David Austin, Global Technology Leader - Natural Treatment Systems, CH2M

15:30 Using domestic water treatment residuals as a reactive media to absorb phosphorus from wastewater
Dr Ben Gersten, Researcher, Cardiff University

16:00 Closing remarks and announcement of poster competition winner
Geoff Sweaney, Chair, CWA

16:15 DAY ENDS