

PROGRAMME OF EVENTS

DAY 1: --- WEDNESDAY 7TH MAY ---

09:00 REGISTRATION @ REFRESHMENTS in the Heartspace 60 mins

Session 1: DAY 1

Pennine Theatre

10:00 Welcome and Introduction
Andrew Gill (RRC Chairman) 25 mins

CHAIR: Mark Everard

(Associate Professor of Ecosystem Services, UWE, Bristol)

National Panel Discussion

10:25 This session provides an important opportunity to discuss the UK's aspirations for the coming year. It will also provide a platform for outlining what are seen as the key challenges. After each representative has addressed the floor, there will be time for responses and questions. 45 mins

CHAIR: Peter Worrall

(Penny Anderson Consultants)

11:10 Keynote Address
Mark Everard (Associate Professor of Ecosystem Services, UWE, Bristol) 25 mins

11:35 **Discussion** 15 mins

RRC Corporate Member Panel

11:50 Some of RRC's corporate members will outline key work they have been involved with during the last year, highlight areas where they have worked with RRC and express what they see as the main focus for the forthcoming year. There will be time for questions and comments from the floor. 25 mins

12:15 LUNCH in the Heartspace 60 mins

Session 2: DAY 1

Pennine Theatre
Natural Flood Management

Peak Theatre
Monitoring Pollution and Innovative
Solutions

Owen Theatre
Monitoring and Evaluation

CHAIR: Lydia Burgess-Gamble
(Environment Agency)

CHAIR: Sacha Rogers
(Penny Anderson Associates Ltd)

CHAIR: Laurence Couldrick
(Westcountry Rivers Trust)

13:15	<u>Urban channel enhancement for fisheries and ecology: balancing flood risk and channel stability with fisheries and habitat enhancement.</u> <i>Jack Spees (Ribble Rivers Trust)</i>	Assessing levels of sediment-bound contaminants from road runoff in the River Wandle to inform river restoration. <i>Geraldene Wharton (Queen Mary, University of London)</i>	<u>Monitoring River Irwell weir removals.</u> <i>Kevin Nash (Environment Agency)</i>	15 mins
13:30	<u>Quantifying and simulating the impact of flood mitigation features in a small rural catchment.</u> <i>Alex Nicholson (Arup)</i>	<u>Ecological impacts of sewer misconnections.</u> <i>Dave Chandler (University of Sheffield)</i>	<u>Practical lessons from monitoring a large scale river rehabilitation on the River Trent.</u> <i>Julie Wozniczka (Staffordshire Wildlife Trust)</i>	15 mins
13:45	Discussion.	Discussion.	Discussion.	15 mins

14:00	<u>Using a natural flood management approach to mitigate flooding, water quality and sediment problems.</u> <u>Mark Wilkinson (The James Hutton Institute)</u>	<u>BioHaven floating islands deliver wide-ranging ecosystem services.</u> <u>Leela O'Dea (Frog Environmental)</u>	<u>Braid Burn post project appraisal.</u> <u>Adrian Hill (AECOM)</u>	15 mins
14:15	<u>'Slowing the flow' - a hydrological analysis of natural management measures in the Pickering beck catchment, North Yorkshire.</u> <u>Huw Thomas (Centre for Ecosystems, Society and Biosecurity, Forest Research)</u>	<u>From hard edged water channel to soft edged waterway: floating ecosystem technology to restore urban waterways.</u> <u>Galen Fulford (Biomatrix Water Solutions)</u>	<u>The zoological society of London's European eel citizen science programme.</u> <u>Joe Pecorelli (The Zoological Society of London)</u>	15 mins
14:30	Discussion.	Discussion.	Discussion.	15 mins
14:45	POSTER SESSION in Owen 223 <i>With tea and coffee</i>			45 mins

Session 3: DAY 1

Pennine Theatre

River Restoration and Biodiversity

Peak Theatre

Delivering Restoration Through Public Consultation

Owen Theatre

Urban Regeneration in Sheffield

CHAIR: Phil Boon

(Scottish Natural Heritage)

CHAIR: Jenny Wheeldon

(Natural England/Environment Agency)

CHAIR: Kathryn Hardcastle

(River Nene Regional Park CIC)

15:30	<p><u>River restoration and biodiversity – a study of the UK and Ireland</u> <u>Ian Griffin (ECUS ltd)</u></p>	<p><u>Reconciling unconstrained visions and disparate consultation responses: lessons learned from the rivers Wharfe and Teme.</u> <u>Kieran Sheehan (JBA consulting)</u></p>	<p><u>Restoring the River Don - from open sewer to artery of urban regeneration.</u> <u>Ian Rotherham (Sheffield Hallam University)</u></p>	15 mins
15:45	<p><u>Monitoring a river restoration project for conservation objectives.</u> <u>Melanie Fletcher (FBA)</u></p>	<p><u>River Dee/Afon Dyfrdwy SSSI Restoration – Balancing geomorphological and ecological enhancement with public expectation.</u> <u>Elinor Phillips/Alison Flynn (Jacobs)</u></p>	<p><u>Reflections on the planning of river restoration through the lens of two deculverting projects in Sheffield.</u> <u>Ed Shaw (University of Sheffield)</u></p>	15 mins

16:00	<p><u>Letting the river build habitat: the sustainable ecological benefits of applying the process restoration philosophy in ideal and practice.</u> <u>Hamish Moir (cbec Eco-Engineering/The Rivers and Lochs Institute)</u></p>	<p><u>River Swilgate restoration.</u> <u>Gareth Bradbury (Wildfowl & Wetlands Trust (Consulting))</u></p>	<p><u>Daylighting Lost Urban Rivers: joining up multiple benefits for the water industry and river restoration.</u> <u>Adam Broadhead (University of Sheffield)</u></p>	15 mins
16:15	Discussion.	Discussion.	Discussion.	15 mins
16:30	SHORT BREAK TO MOVE TO FINAL JOINT SESSION			15 mins

Session 4: DAY 1

Pennine Theatre

CHAIR: Alastair Driver
(Environment Agency)

16:45	<u>Development and application of a multiscale process-based framework for the hydromorphological assessment of European rivers.</u> <u>Angela Gurnell (Queen Mary, University of London)</u>	15 mins
17:00	<u>Visioning catchment futures: a case study on the river Stiffkey, Norfolk UK.</u> <u>Sarah Taigel (University of East Anglia)</u>	15 mins
17:15	<u>Restoring the Eddleston Water - the science evidence-base for the delivery of multiple benefits from a heavily degraded water course.</u> <u>Chris Spray (University of Dundee)</u>	15 mins
17:30	Discussion.	15 mins
17:45	Poster Competition Prizes and Close (RRC) Sponsored by Wiley	15 mins
18:00	END OF DAY 1	

19:30 – DRINKS RECEPTION

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20:00 – CONFERENCE DINNER

To Be Held At:

Sheffield City Hall, Barkers Pool, Sheffield, S1 2JA

First England River Prize Winner Announcement

DAY 2:

--- THURSDAY 8TH MAY ---

Registration
Opens at 8:30am

Session 5: DAY 2

9:00

CHOICE OF SITE VISIT OR WORKSHOP

3 hours
30 mins

Harmer 2210

Workshop A:

Applying Cutting Edge Science to River
Restoration

Harmer 2230

Workshop B:

Restoration Techniques and Methods:
Application, Transferability and Problem
Solving.

The workshop will explore the science knowledge base used by practitioners, determine additional information currently under-utilised and define better ways to exchange information, bringing academic advances into restoration practice.

Innovation in consultancy: experiences of incorporating new science into practice.

Sebastian Bentley (JBA Consulting)

The use of conceptual models to help understand the relationship between hydromorphological change and ecosystem response.

Judy England (Environment Agency)

Working with natural processes to reduce flood risk - developing and R&D framework.

Jo Barlow (Black & Veatch) & Lydia Burgess-Gamble (Environment Agency)

Developing approaches for assessing the effects of river restoration in terms of multiple benefits and ecosystem services.

Dave Gilvear (University of Plymouth)

This session will discuss the common approaches to restoration and habitat enhancement. From practical demonstration, latest guidance and the experience of the group, we will discuss how to decide “what to use” application and common problems.

20 years of “what works and why”: applying the common UK techniques.

Martin Janes (RRC)

River Habitat Workshops: practical insight for delivery and design

Mike Blackmore (Wild Trout Trust)

Restoration on a grand scale: the River Avon restoration project.

Jane Moon (Black & Veatch)

Healthy catchments - Environmental improvements: mitigation guidance for FCRM activities and WFD.

Philip Williamson (Royal HaskoningDHV)

12:30

LUNCH

65 mins

Session 5: DAY 2

9:00

CHOICE OF SITE VISIT OR WORKSHOP Continued

3 hours
30 mins

Harmer 2202

Workshop C:

Prioritising River Restoration for Multiple Benefits

Owen 1031

Workshop D:

Catchment Management and River Restoration: Linking Outcomes to the Next Round of River Basin Planning

Methods that help to prioritise multi-objective river restoration projects are becoming ever more essential as financial resources continue to be squeezed. The aim of this workshop is to share experiences of successful prioritising methods and identify gaps in our understanding that could make such methods more robust.

The river at the end of the Universe

Richard Jeffries/Shona McConnell (SEPA)

A practitioner's perspective on consideration of WFD within multi-objective projects

Sacha Rogers (Penny Anderson)

Prioritising WFD implementation at a water body scale.

Ian Dennis (Royal HaskoningDHV)

Prioritising river improvement in infrastructure projects: WFD – status quo or legacy?

Katy Kemble (Jacobs)

Catchment scale management is now recognised as an essential element to achieving best practice river restoration. This workshop will discuss how current approaches and future outcomes from catchment management projects can feed into the 2nd round of river basin management plans. Mechanisms to ensure information and data is effectively captured to achieve this goal, will be discussed.

WFD and the catchment based approach - going from data to evidence.

Laurence Couldrick (Westcountry Rivers Trust)

The catchment change management hub - engaging communities and sharing best practice.

David Corbelli & David Kingsley-Rowe (Cascade Consulting)

Improving water quality with the community.

Tim Longstaff (Wandle Trust)

Catchment restoration delivery.

Jerry Gallop (Environment Agency)

12:30

LUNCH

65 mins

Session 5: DAY 2

9:00	CHOICE OF SITE VISIT OR WORKSHOP Continued	3 hours 30 mins
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Owen 1037

Workshop E:

Can River Restoration Help Achieve
Synergies Between Flood Risk Mitigation,
Urban Development, Renewable Energy and
Climate Change?

REFORM (Restoring rivers FOR effective catchment management) is a European-funded 4 year project that addresses the challenges of reaching the ecological objectives for rivers require under WFD. This workshop will enable participants to hear first-hand about the latest results from the REFORM project in terms of the development of tools and procedures for determining the most effective restoration measures and defining success. The workshop will then explore the synergies between delivery of flood mitigation, renewable energy, urban development and climate change in the context of river restoration. Participants will then be able to discuss and provide feedback on the validity and benefits of these new ideas and identify any gaps. For further information about REFORM visit www.reformrivers.eu

This workshop will be led by Ian Cowx (*University of Hull*) and Angela Gurnell (*Queen Mary University, London*)

12:30	LUNCH	65 mins
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Session 5: DAY 2

9:00

CHOICE OF SITE VISIT OR WORKSHOP Continued

3 hours
30 mins

Site Visit 1:

Porter Brook Regeneration Scheme

Site Visit 2:

The Five Weirs Walk, River Don

This combined workshop and site visit will include an introductory talk & opportunities to discuss issues surrounding deculverting in a heavily modified urban river system. Delegates will be asked to contribute using their creativity, knowledge and passion, whilst taking the opportunity to learn and consider what constitutes good practice in 'river regeneration'. After the workshop element we will go out to see some deculverting work in action which includes benefits for local people, flood risk management and ecology.

Site visit lead:

Tom Wild (*South Yorkshire Forest*)
Simon Ogden (*Sheffield City Council*)

This site is a 10 minute walk from the University.

Come along on part of the famous Five Weirs Walk to see combined natural flood risk management and habitat creation in action. Hear how a combination of local authority, statutory bodies, charities and hundreds of volunteers have worked together to improve the River Don through Sheffield. Find out the future plans for the Don and its urban tributaries. For more information: Five Weirs Walk

Site visit lead:

Simon Hinkins (*Environment Agency*)
Adam Rollitt (*The River Stewardship Company*)

This site is a 15 minute walk from the University with a 3 mile walk around the site.

12:30

LUNCH

65
mins

Session 6: DAY 2				
	<u>Pennine Theatre</u> WFD: Planning to Delivery	<u>Norfolk Theatre</u> Engaging Society in River Restoration	<u>Owen Theatre</u> Partnerships to Deliver River Restoration	
	CHAIR: Shaun Leonard <i>(Wild Trout Trust)</i>	CHAIR: Fiona Bowles <i>(Wessex Water)</i>	CHAIR: Kevin Skinner <i>(Atkins)</i>	
13:35	<u>The challenges of achieving WFD compliance on large engineering scheme: a consultant's perspective.</u> <i>Sally German (Arup)</i>	<u>Living Waterways.</u> <i>Rachael McFarlane (Environment Agency)</i>	<u>Dynamic rivers in small spaces: making room for river restoration in Cumbria.</u> <i>Duncan Wishart (Environment Agency)</i>	15 mins
13:50	<u>Implementation of the WFD: resolving engineering and hydromorphological river restoration difficulties.</u> <i>Matthew Hemsworth (JBA consulting)</i>	<u>MURCI WATERS - Protecting and enhancing urban rivers.</u> <i>John Brewington (Environment Agency)</i>	<u>River of Life: A multi-benefit, landscape scale habitat enhancement project.</u> <i>Lizzie Rhymes (Environment Agency)</i>	15 mins
14:05	<u>At a local level: joint delivery of the WFD.</u> <i>Claire Gray (London Borough of Lewisham)</i>	<u>Restoring a multitude of processes on the Connswater.</u> <i>David Hetherington (Arup)</i>	<u>Partnership delivery of the River Avon restoration plan.</u> <i>Martijn Antheunisse (Wiltshire Wildlife Trust)</i>	15 mins
14.20	Discussion.	Discussion.	Discussion.	15 mins
14.35	BREAK With tea and coffee			40 mins

Session 7: DAY 2

Pennine Theatre

CHAIR: Will Bond

(Alaska Environmental Contracting Ltd)

15:15	<u>Scale, timeframes and funding - making natural flood management work for whole catchments.</u> <u>Peter Worrall (<i>Penny Anderson Associates Ltd</i>)</u>	15 mins
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15:30	<u>An institutional analysis of water management and spatial planning in England.</u> <u>Karen Potter (<i>University of Liverpool</i>)</u>	15 mins
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15:45	<u>Conference Finale</u> <u>Martin Janes (<i>RRC</i>)</u>	15 mins
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16:00	Discussion and close.	15 mins
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16:15	END OF CONFERENCE	
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