
PROGRAMME OF EVENTS

DAY 1: --- TUESDAY 26TH APRIL ---

REGISTRATION at Reception

09:00 NETWORKING & EARLY VIEWING POSTER SESSION 90 mins
in the Washington Suite

Session 1

Lancastrian Suite

CHAIR: *Fiona Bowles (RRC Board)*

10.30 [River Restoration Centre introduction & welcome](#) 15 mins
Martin Janes (the River Restoration Centre)

10.45 [Restoring beavers to Devon: Nature's wetland architects](#) 15 mins
Derek Gow (Derek Gow Consultancy)

11.00 [Working with natural processes to reduce flood risk and improve the environment](#) 15 mins
Lydia Burgess-Gamble (Environment Agency)

11.15 **Discussion** 10 mins

11.25 [In-stream restoration in action](#) 15 mins
Jackie Webley (Scottish Natural Heritage)

11.40 [River weirs – remove or retain?](#) 15 mins
Matthew Hemsworth (JBA Consulting)

11.55 [Delivering river restoration in Scotland: the next 12 years](#) 15 mins
Roy Richardson (Scottish Environment Protection Agency)

12:10 [Restoring morphological functionality to a heavily modified river](#) 15 mins
Sally German (Arup) & David Holland (Salix)

12:25 **Discussion** 15 mins

12:40 LUNCH in the Washington Suite 60 mins

Session 2

Lancastrian Suite Urban River Restoration

Louis Suite Partnering With Nature

Princess Suite Ecological Monitoring

CHAIR: *Kevin Skinner (Atkins)*

CHAIR: *Phil Boon (Scottish Natural Heritage)*

CHAIR: *Judy England (Environment Agency)*

13:40	<p><u>The restoration and regeneration of Deptford Creek</u> Michael Forrester (<i>London Borough of Lewisham</i>)</p>	<p><u>Working together to restore The Midlothian Esks</u> Clare Rodgers (<i>Royal HaskoningDHV</i>) & Tommy McDermott (<i>River Forth Fisheries Trust & Trex Ecology</i>)</p>	<p><u>An ecohydrological approach to river restoration</u> David Harper (<i>Aquatic Ecosystem Services Ltd. & University of Leicester</i>)</p>	15 mins
13:55	<p><u>Planning river restoration the Dutch way</u> Ian Dennis (<i>Royal HaskoningDHV</i>)</p>	<p><u>Removing and restoration of rock armour, croys and cars</u> Kenneth Macdougall (<i>EnviroCentre Ltd.</i>)</p>	<p><u>Biotopes as design for restoration and units for monitoring success</u> Ahmed Al Zankana (<i>University of Leicester</i>)</p>	15 mins
14:10	<p>Discussion.</p>	<p>Discussion.</p>	<p>Discussion.</p>	10 mins

Session 2 – continued...

14:20	<p><u>Improving habitat linkages in heavily modified urban areas with Floating Riverbanks</u> Galen Fulford (<i>Biomatrix Water Solutions Ltd., Land & Water Services Ltd.</i>)</p>	<p><u>Working with wood on the Wensum</u> Ian Morrisey (<i>Atkins Ltd.</i>) & Marc Huband (<i>Atkins Ltd.</i>)</p>	<p><u>Using Beetles to measure riparian habitat quality</u> Jon Webb (<i>Natural England</i>)</p>	15 mins
14:35	<p><u>Public participation GIS for assessing social values in urban rivers</u> Xavier Garcia (<i>International University of Catalonia</i>)</p>	<p><u>Partnering with nature for sustainable river restoration</u> Matthew Johnson (<i>University of Nottingham</i>)</p>	<p><u>The Logie Burn: Results of three years of monitoring</u> Stephen Addy (<i>The James Hutton Institute</i>)</p>	15 mins
14:50	<p>Discussion.</p>	<p>Discussion.</p>	<p>Discussion.</p>	10 mins
15:00	<p>POSTER SESSION in the Washington Suite <i>with tea and coffee</i></p>			45 mins

Session 3

Lancastrian Suite

Addressing Multiple Objectives

CHAIR: *Bill Brierley (Freshwater Biological Association)*

Louis Suite

Beaver Reintroduction

CHAIR: *Alastair Driver (Environment Agency)*

Princess Suite

Understanding sediments

CHAIR: *Andrew Brookes (Jacobs)*

15:45	<p><u>Balancing flow – balancing opinion</u> Jane Moon (<i>Black & Veatch</i>) & Paul Jose (<i>Wessex Chalk Stream & Rivers Trust</i>)</p>	<p><u>Restoring beavers to Devon – and understanding their impacts</u> Mark Elliott (<i>Devon Wildlife Trust</i>)</p>	<p><u>Achieving measures for heavily modified water bodies using sediment management</u> Katy Kemble (<i>Jacobs</i>) & Matthew Buckley (<i>United Utilities</i>)</p>	15 mins
16:00	<p><u>Conflict of interest in river restoration: a county council perspective</u> Jessica Dippie (<i>Buckinghamshire County Council</i>)</p>	<p><u>Quantifying the multiple benefits of beaver activity across catchment scales</u> Richard Brazier & Alan Puttock (<i>University of Exeter</i>)</p>	<p><u>Weir pools and hydropower: methods to assess impacts</u> Simon Palmer (<i>APEM Ltd.</i>)</p>	15 mins
16:15	<p><u>River restoration pitfalls and successes from concept to monitoring</u> Jenny Mant (<i>Ricardo AEA</i>) & Martin Janes (<i>River Restoration Centre</i>)</p>	<p><u>Bringing beavers back – how will we manage this species?</u> Roisin Campbell-Parker (<i>Royal Zoological Society of Scotland</i>)</p>	<p><u>Rapid biodiversity gains through naturalisation: process based success stories</u> Sebastian Bentley (<i>AECOM</i>) & Kieran Sheehan (<i>JBA Consulting</i>)</p>	15 mins
16:30	<p>Discussion.</p>	<p>Discussion.</p>	<p>Discussion.</p>	15 mins
16:45	<p>SHORT BREAK TO MOVE TO FINAL JOINT SESSION</p>			10 mins

Session 4

Lancastrian Suite

CHAIR: *Nick Clifford (Kings College London)*

Keynote Address

	Positioning River Restoration for 2030: lessons from the past and challenges for the future	
16:55	Geoff Petts (<i>Vice Chancellor and President, University of Westminster; President of the British Hydrological Society and Editor-in-Chief of River Research and Applications</i>)	25 mins
17:20	Discussion (Keynote and General)	20 mins
17:40	Poster competition prizes, final announcements and close Martin Janes (<i>RRC</i>)	15 mins
17:55	END OF DAY 1	

19:30 – PRE-DINNER DRINKS RECEPTION

Washington Suite

&

20:00 – UK RIVER PRIZE AWARDS DINNER

Lancastrian Suite

DAY 2:
Registration

--- WEDNESDAY 27TH APRIL ---

Opens at 8:30am

Session 5

9:00

CHOICE OF SITE VISIT OR WORKSHOP

3 hours
30 mins

Lancastrian Suite

Workshop A:

Natural Flood Management: Tools to Help Maximise Benefit and Reduce Risk

Planning for natural flood management needs to take account of local social, economic and other stakeholder impacts. Justifying actions that take account of these elements and that also deliver projects that demonstrate multiple benefits inevitably requires transparent planning and mapping decision making support tools. This workshop provides the opportunity to discuss what level of data and interpretation skills are needed to assess impacts and identify how we can work towards developing standardised scoring systems to support decision making. The workshop will include explanations of tools that are currently under development to support this approach and an opportunity to discuss their usefulness and limitations. It will also provide an opportunity to discuss what evidence is needed to demonstrate natural flood management success.

Churchill Suite

Workshop B:

How to Make the Most of Your Monitoring and Project Appraisal

The RRC monitoring planner and guidance is now considered as mainstream in terms of supporting best-practice approaches to getting the most from you monitoring. And yet, monitoring outputs still don't always provide all the anticipated answers. This workshop will re-examine why this is still the case and, through the use of case-studies and interactive sessions, provide an opportunity to both refresh your knowledge on how to set good monitoring objectives. We will also discuss how we can take the next steps to supporting more coherent monitoring of river restoration projects across the UK (i.e. linking up citizen science outputs), that can collectively increase the evidence base.

12:30

LUNCH

65 mins

Session 5

9:00 CHOICE OF SITE VISIT OR WORKSHOP continued... 3 hours
30 mins

Derby Suite

Workshop C:

Demonstrating the Value of Ecosystem Services for Decision Making

Providing a value for the services that ecosystems provide can be a tricky and controversial task. Whilst we understand that not all services are easy to value monetarily, economic valuations are often necessary to support good governance, and provide an opportunity for innovative funding of river schemes. Any valuation however, must include the value of indirect benefits to demonstrate that society will benefit. For example, from reduced costs of flood damage, reduction in health care cost, improved social equity, and increased habitats. The workshop will discuss what tools and techniques are currently available to assess benefits and values, and discuss how best to use information to convince funders and policy makers that river restoration has wider social, economic and environment benefits.

Louis Suite

Workshop D:

Building Technical River Restoration Capacity

In recent years there has been an increased expectation that locally-based partnerships will take on the huge task of delivering catchment-scale river restoration. To do this there is a need for detailed guidance on how to deliver river restoration from large scale concept planning to site implementation (e.g. clear project objectives, project consent procedures, technical design and choice of appropriate techniques, construction and demonstrating success). This workshop will provide an opportunity to discuss what is available and what is needed.

12:30

LUNCH

65 mins

Session 5

9:00 CHOICE OF SITE VISIT OR WORKSHOP continued... 3 hours
30 mins

Princess Suite

Workshop E:

Dealing with Sediment in Respect to
In-Channel Structures

Site Visit:

The Wyre Riparian Restoration
Initiative

There are two main areas where sediment issues arise. (1) Disconnection through channel alterations (to bed, banks and in-channel structures) which have significant impacts on longitudinal sediment transport. (2) New channels as part of river restoration projects, especially where inherently unstable. Such sediment dynamics unpredictability can have both unforeseen benefits and risks for habitats and flood risk management which need to be accounted for, in any river alteration. This workshop will discuss what sediment parameters need to be understood in the context of channel modifications (e.g. from weir removal/lowering, impact of small/medium size hydropower schemes, the removal/alteration of bank and bed protection through to full scale natural-process driven river restoration projects). It will seek to identify how, when, why and where a better understanding of sediment is necessary, how this can be best achieved and its implications for practical sediment management.

This year's site visit is to the Wyre Riparian Restoration Initiative at Ambrose Farm which is one of the Catchment Partnership Action Fund (CPAF) Projects. The project is looking to improve riparian habitat; this will include bank restoration works, fencing and planting. On the visit we will hear from the individuals and organisations involved and discuss the success of the Wyre Catchment Partnership as well as Catchment Partnerships and the CPAF initiative in general. This topical subject should provide interesting and engaging discussions on site.

12:30

LUNCH

65 mins

Session 6				
<u>Lancastrian Suite</u>	<u>Louis Suite</u>	<u>Princess Suite</u>		
Barrier Removal	Shaping Our Rivers	Modelling: Tools and Techniques		
CHAIR: <i>Rob Mitchell (RAFTS)</i>	CHAIR: <i>Oliver Lowe (Natural Resources Wales)</i>	CHAIR: <i>David Hetherington (Arup)</i>		
13:35	<u>Provision of fish passage in The Worfe Catchment</u> Iain Stewart-Russon (<i>APEM Ltd.</i>)	<u>The importance of reference state and the assessment of potential for geomorphic work</u> Hamish Moir (<i>cbec eco-engineering Ltd.</i>)	<u>Integrated dynamic analysis of modified channels: dealing with constraints in urban areas</u> Ian Bentley (<i>AECOM</i>)	15 mins
13:50	<u>Innovative fish passage design on an East Lancashire river</u> Adam Walmsley (<i>Ribble Rivers Trust</i>)	<u>A method for defining potential locations for WFD and flood risk restoration in a large catchment</u> Katy Kemble (<i>Jacobs</i>) & Sera Roberts (<i>Jacobs</i>)	<u>Habitat modelling: a useful design, investigation and appraisal tool</u> Dave Mould (<i>JBA Consulting</i>)	15 mins
14:05	<u>Lessons learned at a Norfolk mill</u> Jonathan Whitmore (<i>JBA Consulting</i>)	<u>Balancing risk and reward: a call for a (slightly) more cavalier approach to restoration</u> George Heritage (<i>AECOM</i>)	<u>Hydraulic modelling requirements for river restoration: methods for minimising (not just flood) risk</u> Eric Gillies (<i>cbec eco-engineering Ltd.</i>)	15 mins
14.20	Discussion.	Discussion.	Discussion.	15 mins
14.35	SHORT BREAK TO MOVE TO FINAL JOINT SESSION			10 mins

Session 7

Lancastrian Suite

CHAIR: *Nick Clifford (Kings College London)*

14:45	<u>Delivering Severn Trent Water's fair share of the WFD</u> Mike Streetly (<i>ESI</i>)	15 mins
15:00	<u>How we achieved good ecological potential</u> Bella Davies (<i>South East Rivers Trust</i>) & Dave Webb (<i>Environment Agency</i>)	15 mins
15:15	River restoration – Priorities for action Nick Clifford (Kings College London)	15 mins
15:30	Discussion and Close.	15 mins
15:45	END OF CONFERENCE	
