
PROGRAMME OF EVENTS

DAY 1: --- TUESDAY 30TH APRIL ---

09:00	REGISTRATION in Hotel Reception Area REFRESHMENTS in the Lounge	60 mins
Brooklands Suite – OPENING SESSION CHAIR: Andrew Gill (<i>Cranfield University and RRC Chair</i>)		
10:00	Welcome and Introduction. Andrew Gill (<i>Cranfield University and RRC Chair</i>)	20 mins
10:20	Keynote Address Dr. Paul Leinster (<i>Environment Agency</i>)	25 mins
10:45	Discussion.	10 mins
10:55	Announcements	5 mins
11:00	BREAK <i>With tea and coffee</i>	30 mins
Session 1:		
JOINED UP THINKING IN CONSTRAINED RIVERS		
CHAIR: Martin Janes (<i>RRC</i>)		
11:30	Lodge Burn Flood Alleviation Project: Weirs, tears and engineers. Gareth Greer (<i>Rivers Agency</i>) et al.	15 mins
11:45	Identifying opportunities for restoration with flood risk management benefits: the development of a national screening tool in Scotland. Heather Forbes (<i>Scottish Environment Protection Agency</i>) et al.	15 mins
12:00	£24M of catchment-scale restoration. Jerry Gallop (<i>Environment Agency</i>) et al.	15 mins
12:15	Discussion.	15 mins
12:30	LUNCH in the Lounge	60 mins

Session 2:

	<u>Brooklands Suite</u>	<u>Grand Prix Suite</u>	
	<u>ECOSYSTEM SERVICES: THE THEORY IN PRACTICE</u>	<u>DESIGNING RESTORATION FOR DESIGNATED RIVERS</u>	
	CHAIR: Bella Davies <i>(Wandle Trust)</i>	CHAIR: Mervyn Bramley <i>(Independent Engineer & Environmentalist and RRC Board)</i>	
13:30	<u>Using Ecosystem Services Approaches to Develop Catchment Plans and Deliver Multiple Benefit Projects.</u> <i>Dave Webb (Environment Agency)</i>	<u>Irfon SAC project – the results</u> <i>Simon Evans (Wye and Usk Foundation)</i>	15 mins
13:45	<u>Optimising the benefits of channel maintenance: an ecosystem services assessment.</u> <i>Jim Rouquette (University of Sheffield) et al.</i>	<u>The Phased Naturalisation of the River Ribble SSSI at Long Preston Deeps: A Story of Cooperation and Compromise.</u> <i>Neil Entwistle (University of Salford) & George Heritage (JBA)</i>	15 mins
14:00	Discussion.	Discussion.	10 mins
14:10	<u>River restoration in an industrial, urban catchment – experiences from the Don.</u> <i>Karen Eynon (Don Catchment Rivers Trust) et al.</i>	<u>River Kennet – a strategic approach to restoration and assessment.</u> <i>Judy England (Environment Agency) et al.</i>	15 mins
14:25	<u>Catchment Management Delivery in South West England.</u> <i>Martin Ross (South West Water)</i>	<u>Waterbody improvement within a heavily confined flood alleviation scheme at Tregaron, Wales.</u> <i>David Hetherington (ARUP) et al.</i>	15 mins
14:40	Discussion.	Discussion.	15 mins
14.55	<u>POSTER SESSION</u> in the Lounge <i>With tea and coffee</i>		40 mins

Session 3:

Grand Prix Suite
TOOLS FOR RIVER RESTORATION

Brooklands Suite
DELIVERING THE WFD AND MORE

Monza Room
**PASSAGE FOR MIGRATORY
FISH AND EELS**

CHAIR: Dan Alsop
(Chartered Engineer & RRC Board)

CHAIR: Jenny Mant
(RRC)

CHAIR: Shaun Leonard
(Wild Trout Trust)

15:35	<u>Deculverting of the River Darwen, Darwen, Lancashire.</u> <u>Kevin Skinner (Atkins) et al.</u>	<u>The Changing Nature of River Restoration.</u> <u>Ben Smith (Kings College, University of London) et al.</u>	<u>Improving Eel Passage on the River Wandle.</u> <u>Tim Longstaff (Wandle Trust) et al.</u>	15 mins
15:50	<u>The Mersey Life and WFD Project: Helping to deliver WFD objectives in the North West by drawing on schemes identified in the Mersey Life Project.</u> <u>Gerard Hawley (Penny Anderson Associates) et al.</u>	<u>Tackling WFD mitigation measures for impounded water bodies: is river restoration an option?</u> <u>Daniel Newton (ARUP)</u>	<u>Catchment based restoration of a waterbody using partnership groups.</u> <u>Paul Frear (Environment Agency) et al.</u>	15 mins
16:05	<u>Environmental River Enhancement Programme (EREP) surveying, identifying and enhancing drained river catchments.</u> <u>Brian Coghlan (Inland Fisheries) et al.</u>	<u>Morphological Restoration to Deliver Water Framework Directive Environmental Objectives.</u> <u>Greg Whitfield (Environment Agency)</u>	<u>The Wissey Siphon – Fish pass.</u> <u>Kye Jerrom (Environment Agency) & Marcus Widdison (Aquatic Control Engineering)</u>	15 mins
16:20	Discussion.	Discussion.	Discussion.	15 mins
16:35	SHORT BREAK TO MOVE TO FINAL JOINT SESSION			15 mins

Session 4:

Brooklands Suite

**ENERGY GRADIENTS IN RESTORATION: FROM THE NENE TO
NORWAY**

CHAIR: Nick Clifford (*Kings College London*)

16:50	<u>Rottall Burn Restoration: Unconstrained Opportunity.</u> <u>Kenneth MacDougall</u> (<i>EnviroCentre Ltd</i>) et al.	15 mins
17:05	<u>Improving the River Nene - Nene Valley Nature Improvement Area.</u> <u>Oliver Burke</u> (<i>Wildlife Trust for Bedfordshire, Cambridgeshire and Northamptonshire</i>) et al.	15 mins
17:20	<u>Restoration in a regulated river – Mitigation High Head Hydro.</u> <u>Bjørn Otto Dønnum</u> (<i>E-Co energy</i>) et al.	15 mins
17:35	Discussion.	15 mins
17:50	<u>Going for Gold Awards – the RRC Olympic Challenge awards.</u>	15 mins
18:05	END OF DAY	

19:00

PRE-DINNER DRINKS RECEPTION

In the Lounge.

20:00

3 COURSE CONFERENCE DINNER

In the Brooklands Suite.

DAY 2:

--- WEDNESDAY 1ST MAY ---

Registration Opens at 8:30am

Session 5:

9:00

CHOICE OF SITE VISIT OR WORKSHOP
See Below for Workshop Outlines

3 hours
30 mins

Presentations within the sessions will provide context and experiences.

Brooklands Suite

Workshop A:

**HEAVILY MODIFIED RIVERS:
WHAT IS REALISTIC?**

Luffield Room

Workshop B:

**USING LARGE WOOD IN
RIVERS**

Melbourne Room

Workshop C:

**BREAKING BARRIERS:
REMOVE, REPLACE OR RETAIN?**

Priory Room

Workshop D:

**LATERAL THINKING:
FLOODPLAINS AND WETLANDS**

Define the role of WFD in HMWBs & outline problems.

Discussion of the limitations and issues surrounding HMWB restoration.

Discussion of what can realistically be achieved.

Define a baseline for achieving realistic 'Good Ecological Potential'.

Discussion of the use of the Urban River Survey (URS) as a method of assessment.

Outline how 'large wood' is being used in river restoration and its benefits.

Discussion of the effectiveness of large woody debris as a restoration tool.

Using wood as a natural bank stabilisation material, where structural support is needed.

Addressing the common concerns around dislodged wood moving downstream.

Discussion of the best way to deal with in-channel barriers

Outline of tools developed to help with decision making

Examples of the practicalities of installing fish passes and natural bypass channels, lowering, notching or removing weirs.

Assessing gauging weirs for removal or replacement

Hydropower use of low head weirs – conflicting policy drivers?

Achieving connectivity that delivers multiple benefits (flood risk, water quality, ecology etc.)

Wider ecosystem services provided by functioning floodplains and wetlands – valuing the benefits.

Techniques used - urban, rural and community led examples.

WORKSHOP SPEAKERS/PRESENTERS (Order may be subject to change)

WORKSHOP A:	WORKSHOP B:	WORKSHOP C:	WORKSHOP D:
<p><u>Can catchment management planning deliver urban river restoration?</u> <u>David Lerner (Sheffield University)</u></p>	<p>The effect of large woody debris on stream community structure across an enrichment gradient. Murray Thompson (<i>Natural History Museum</i>) et al. (not reproducible)</p>	<p><u>Prioritising barriers for removal or repair: A case study of the River Wey.</u> <u>Lynda Eakins (University of Southampton) et al.</u></p>	<p><u>Fobney Island River and Wetland Restoration and other case studies.</u> <u>Lyndon Baker (Jacobs) & Graham Scholey (Environment Agency)</u></p>
<p><u>River Restoration in Heavily Modified and Artificial Waterbodies: How to achieve Good Ecological Potential in extremely unnatural rivers.</u> <u>Patricia Xavier (ARUP) et al.</u></p>	<p><u>Hydromorphological appraisal of the use of large woody debris in the Restoration of the River Lathkill, Derbyshire.</u> <u>Ian Drew (Manchester Metropolitan University)</u></p>	<p><u>Learning from practical experience of delivering WFD solutions on the River Aire, Yorkshire.</u> <u>Kate Colledge (ARUP) et al.</u></p>	<p><u>RSPB increasing catchment biodiversity whilst managing flood risk, the creation of Beekingham Marshes Reserve.</u> <u>Michael Copelston (RSPB) & Martin Van Nieuwenhuyzen (Aquatic Control Engineering)</u></p>
<p><u>Urban River Survey.</u> <u>Lucy Shuker (Environment Agency) et al.</u></p>	<p><u>Using woody debris to rehabilitate degraded watercourses.</u> <u>Nick Mott (Staffordshire Wildlife Trust)</u></p>	<p><u>Kentchurch Weir Removal – How the River has Adjusted after Two Winters and a Very Wet Summer.</u> <u>Alexander Humphreys (Atkins) & Peter Gough (Natural Resources Wales)</u></p>	<p><u>Restoration and reconnection of a water meadow to the River Ise floodplain.</u> <u>Robin Field (Nene Valley NIA) et al.</u></p>
<p><u>Restoring the 'Red River': Designing a stable functional morphology for a historically brick lined channel.</u> <u>Sebastian Bentley (JBA) et al.</u></p>	<p><u>Large Woody Debris, Woody Debris or Revetment ?</u> <u>Jack Spees (Ribble RiversTrust)</u></p>	<p><u>Gauging Weirs: addressing the needs of different stakeholders.</u> <u>Di Hammond (RRC) et al.</u></p>	

12:30

LUNCH

65 mins

Session 6:				
	<u>Brooklands Suite</u> <u>CATCHMENT-SCALE & MORPHOLOGICAL PROCESS LED RESTORATION</u>	<u>Monza Room</u> <u>TOOLS OF THE TRADE: HELPING YOU UNDERSTAND YOUR RIVER</u>	<u>Indianapolis Room</u> <u>COMMUNITY ENGAGEMENT AND DELIVERY</u>	
	CHAIR: Kevin Skinner <i>(Atkins & RRC Board)</i>	CHAIR: Andy Pepper <i>(ATPEC Ltd & RRC Board)</i>	CHAIR: Fiona Bowles <i>(Wessex Water & RRC Board)</i>	
13:35	<u>Development of a catchment-scale river restoration prioritisation strategy for the River Till, Northumberland.</u> <i>Carolyn Mills (cbec eco-engineering UK Ltd) et al.</i>	<u>Restoration Techniques, Mitigation Measures and Channel Management</u> <i>Lydia Burgess Gamble (Environment Agency) et al.</i>	<u>Evaluating the Catchment-Based Approach – Transferrable lessons for national implementation.</u> <i>Clare Black (Cascade Consulting) et al.</i>	15 mins
13:50	<u>An Application of the Process Restoration Philosophy on a Scottish Upland River.</u> <i>Hamish Moir (cbec eco-engineering UK Ltd)</i>	<u>Use of space-for-time substitution (or the ergodic hypothesis) in river restoration: Examples from South East England.</u> <i>Andrew Brookes (Jacobs)</i>	<u>Pontbren Project – a farmer led approach to catchment restoration.</u> <i>Mike Townsend (The Woodland Trust)</i>	15 mins
14:05	<u>Catchment scale river restoration and WFD implementation: Restoring wildlife and floodplain on the Sussex Ouse (MORPH)</u> <i>Ian Dennis (Royal Haskoning) & Sally Chadwick (Environment Agency)</i>	<u>RRC Manual of River Restoration Techniques Update</u> <i>Jenny Mant (RRC) et al.</i>	<u>Farming For Food and Cleaner Rivers: The Catchment Sensitive Farming Approach and Outcomes – 6 Years On.</u> <i>James Grischeff (Natural England) et al.</i>	15 mins
14.20	Discussion.	Discussion.	Discussion.	15 mins
14.35	BREAK With tea and coffee			40 mins

Session 7:

Brooklands Suite

MAKING THE MOST OF EUROPEAN FUNDS

CHAIR: **Bart Fokkens** (*ECRR*)

15:15	<u>Integrated management of river catchments – the 'TRAP' project.</u> <u>Rob Collins</u> (<i>The Rivers Trust</i>) et al.	15 mins
15:30	<u>European River Corridor Improvement Plans (ERCIP).</u> <u>Claire Gray</u> (<i>London Borough of Lewisham</i>) <u>Tabitha Lythe</u> (<i>London Borough of Lewisham</i>) <u>Dave Webb</u> (<i>Environment Agency</i>) <u>Tom Wild</u> (<i>South Yorkshire Forest Partnership</i>)	15 mins
15:45	<u>Sharing best practice across Europe & the European Riverprize.</u> <u>Alastair Driver</u> (<i>Environment Agency</i>) & <u>Martin Janes</u> (<i>RRC</i>)	15 mins
16:00	Discussion.	15 mins
16:15	END OF CONFERENCE	

POSTER PRESENTATIONS

Kindly sponsored by: **WILEY**

[It's All About the Gravel](#)

ALASDAIR MAXWELL
WFD project Manager – Environment Agency

[Bypass Channels on the River Thames](#)

DARRYL CLIFTON-DEY¹ & LIZZIE RHYMES²
¹*Environment Agency*
²*Projects Officer (Fisheries & Biodiversity) – Environment Agency*

[Fobney Island Wetland Creation and River Restoration Project](#)

GRAHAM SCHOLEY¹ & LIZZIE RHYMES²
¹*Conservation Technical Specialist – Environment Agency*
²*Projects Officer (Fisheries & Biodiversity) – Environment Agency*

[Hydromorphological Appraisal of the Use of Large Woody Debris in the Restoration of the River Lathkill, Derbyshire](#)

JOHN COWX¹ & IAN DREW²
¹*Caulmert*
²*Senior Lecturer – Manchester Metropolitan University*

[River Ingrebourne Enhancement](#)

JANE HORNSBY *et al.*
Business Development Manager – Land and Water Services Ltd

[Classification of Secondary Channels on the River Nene](#)

KATY KEMBLE
Graduate Geomorphologist – Jacobs

[Cinderella Scores a Hat-Trick! Winterbourne Restoration Projects](#)

SARAH WILLIAMS¹ & SARAH GUEST²
¹*Dorset Wild Rivers Coordinator – Dorset Wildlife Trust*
² *Biodiversity Officer – Environment Agency*

[Detecting Streamflow Response to Land Management Change at Holnicote](#)

GENE HAMMOND¹ & CARL ISHEMO² & STEVE ROSE³
¹*Principal GIS Consultant – Penny Anderson Associates*
²*Penny Anderson Associates*
³*Technical Director (Land Management) – JBA Consulting*

Understand Your River – An On-Line River Categorisation Tool

SEBASTIAN BENTLEY¹ & GEORGE HERITAGE²

¹Senior Hydromorphologist – JBA Consulting

²Head of Hydromorphology – JBA Consulting

The Morphological Response of the River Ribble to Naturalisation: Data from the 2011 Restoration Works

NEIL ENTWISTLE¹ & GEORGE HERITAGE²

²Lecturer – University of Salford

²Head of Hydromorphology – JBA Consulting

Extraneous Clean Water and “lost” urban streams

ADAM BROADHEAD¹ & RACHEL HORN² & DAVID LERNER³

¹PhD Student – The University of Sheffield

² Senior University Teacher – The University of Sheffield

Connectivity at Barriers: A Case study for technical fish pass solutions, Norfolk. Wissey Siphon Fish Pass

ZEBRINA HANLEY

Marketing Manager – Aquatic Control Engineering Ltd

Restoration of the Mayes brook in Mayesbrook Park, London

NICK ELBOURNE

the River Restoration Centre

River Restoration Centre Activities 2012/2013

LAURA MUÑOZ-PUELLES *et al.*

the River Restoration Centre

The Catchment Restoration Fund

VICKY WEST *et al.*

the River Restoration Centre

Replacing Gauging Weirs to Improve Ecology

ULRIKA ÅBERG *et al.*

the River Restoration Centre

RRC Manual of River Restoration Techniques

ANNA GEE *et al.*

the River Restoration Centre

RESTORE Successes So Far

RESTORE PARTNERSHIP

Environment Agency (England), Wetlands International, SYKE (FI),
Dienst Landelijk Gebied (NL), River Restoration Centre (UK), CIRF (IT)