

# ***The* RIVER RESTORATION CENTRE'S 7<sup>th</sup> ANNUAL NETWORK CONFERENCE**

## **Ecological River Restoration: Combining Ecology and Engineering**

Wednesday 26<sup>th</sup> – Thursday 27<sup>th</sup> APRIL 2006

Plus site visit to the River Tummel on Friday 28<sup>th</sup> April 2006

Edinburgh Conference Centre  
Heriot-Watt University, Riccarton Campus  
Edinburgh, Scotland

*Sponsored by WWF, Scottish Natural Heritage and Scottish Environment  
Protection Agency (SEPA)*



## PROGRAMME

### The River Restoration Centre 7<sup>th</sup> Annual Network Conference 2006

#### Heriot-Watt University, Edinburgh

Day 1: Wednesday 26th April 2006

9.10 – 10.40	REGISTRATION & TEA/COFFEE (Main Hall)	
10.40	<b>RRC:</b> Introduction	5 mins
10.45	<b>WELCOME &amp; CHAIR:</b> Andrew Pepper ( <i>ATPEC River Engineering Consultancy &amp; RRC Chairman</i> )	15 mins
11.00	<b>Main Address:</b> Chris Spray ( <i>Director of Environmental Science, SEPA</i> )	15 mins
11.15	<b>Keynote Speaker:</b> Steve Ormerod ( <i>Professor of Ecology, Cardiff University</i> ) Seeking Ecological Outcomes from River Restoration.	25 mins
11.40	<b>Discussion</b>	10 mins
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<b>Session 1</b>		
<b>CHAIR Phil Boon (Principal Freshwater Advisor SNH)</b>		
11.50	<a href="#">Alasdair Smith</a> ( <i>Aberdeenshire Council</i> ) Sustainable Flood Management Linking Engineering and Ecology.	15 mins
12.05	<a href="#">Kieran Conlan</a> , Trevor Wade and Steve Dangerfield ( <i>Cascade Consulting</i> ) Broad Scale Ecosystem Assessment (BSEA) in Scotland.	15 mins
12.20	<a href="#">Duncan Huggett</a> ( <i>Environment Agency</i> ) The Legal Basis for Restoring Rivers in England and Wales: an Environment Agency Perspective.	15 mins
12.35	<a href="#">Andrew Gill</a> ( <i>Cranfield University</i> ) et al. Combining Ecological and Engineering Requirements for River Restoration within a National Nature Reserve: the Case of the Afon Teifi.	15 mins
12.50	<b>Discussion</b>	30 mins
13.20	LUNCH	1 hr
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**Session 2 commences 14. 30 (parallel sessions – see next page of programme)**

**Please allow sufficient time to get to chosen session**

**Allowances are made in the schedule to move between rooms, times listed are session start times.**

Day 1 Continued

Session 2	A - Flood Risk and Ecology	B - Channel Maintenance & Habitat Value	
<b>CHAIR</b>	<b>Andrew Brookes (Jacobs UK Ltd)</b>	<b>Jim Martin (Rivers Agency - Northern Ireland)</b>	
	<i>Auditorium</i>	<i>Carnegie Room</i>	
14.30	Kevin Skinner & Nick Haycock (Haycock Associates Limited) 'Making Space for Water' – The Boscastle Experience.	<a href="#">Valerie Bain</a> & Roger Bettess (HR Wallingford) River Sediments and Habitats and the Impact of Capital Works and Maintenance.	15 mins
14.45	Zoltan Karacsonyi (Centre for Environmental Management and Policy, University of Debrecen, Hungary) Flood Management and Fisheries Habitat Enhancement - Side Effect or Efficient Co-operation?	<a href="#">Jimmy King</a> , Fiona Kelly (Central Fisheries Board, ROI) & Bridget Lehane (Bord Iascaigh Mhara) Managing Berms in Channel Maintenance: Making Room for Flood Flow and Biota.	15 mins
15.00	<a href="#">David Brown</a> (Environment Agency) Balancing Ecology and Flood Risk: Investigating the Flood Risks Associated with Gravel Build up on the River Kent at Kendal.	<a href="#">Marcus McAuley</a> (DCAL Inland Fisheries Branch, NI) Consultation Procedures for the Protection and Enhancement of Fisheries in Watercourses Designated for Drainage Maintenance in Northern Ireland.	15 mins
15.15	<b>Discussion</b>	<b>Discussion</b>	15 mins
<b>Session 3</b>	<b>POSTERS &amp; TEA/COFFEE (Main Hall)</b>		40 mins
15.30			

**Session 4 commences 16.10 (parallel sessions – see next page of programme)**

**Please allow sufficient time to get to chosen session**

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**Session 4 A - Rehabilitation Tools****B - Muddy Waters**

**CHAIR** Kieran Conlan (*Cascade Consulting*) **Stuart Downward** (*School of Earth Sciences and Geography*)

*Auditorium**Carnegie Room*

16.10	<a href="#">Andrew Brookes</a> ( <i>Jacobs Baktie</i> ) Stream Power - a Practical Tool for River Restoration and Management with Specific Examples from the UK.	<a href="#">Lian Scholes</a> ( <i>Urban Pollution Research Centre</i> ) The Challenge of Sediment Quality Management in Urban River Restoration: a UK Perspective.	15 mins
16.25	<a href="#">Karen Fisher</a> ( <i>KR Fisher Consultancy Ltd</i> ), Martin Janes & Jenny Mant ( <i>the River Restoration Centre</i> ) Overview and Demonstration of the 'River Rehabilitation Guidance for Eastern England Rivers'.	<a href="#">Robert Bray</a> ( <i>Robert Bray Associates Ltd</i> ) Integrating Sustainable Drainage Systems into River Restoration – Managing Urban Runoff to Create Controlled and Clean Headwaters for Urban Watercourses.	15 mins
16.40	<a href="#">Sally German</a> ( <i>Gifford and Partners Ltd</i> ) & Robin Chase ( <i>Cain Consultancy</i> ) A Management Tool for Developing a Strategy for Catchment Based River Restoration Using Geomorphological and Ecological Principles.	<a href="#">Peter Worrall</a> ( <i>Penny Anderson Associates Ltd</i> ) Linking Remediation with Restoration.	15 mins
16.55	<b>Discussion</b>	<b>Discussion</b>	15 mins

**Session 5 Controlled Activity Regulations**

**CHAIR** Roger Bettess (*HR Wallingford Ltd*)

*Auditorium*

17.15	<a href="#">Roy Richardson</a> ( <i>SEPA</i> ) New Controls on River Engineering in Scotland.	15 mins
17.30	<a href="#">Stuart Greig</a> ( <i>SEPA</i> ) A Morphological Impact Assessment Tool to Support WFD Implementation.	15 mins
17.45	Questions	10 mins
17.55	Open Discussion with Panel	30 mins
18.25	Close	5 mins
18.30	<b>End of Day 1</b>	
19.45	<b>CONFERENCE DINNER JAMES WATT CENTRE II ( Main Dining Hall)</b>	

7.30 for 7.45pm

Bar extension until 1.00am

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## PROGRAMME

### **The River Restoration Centre 7<sup>th</sup> Annual Network Conference 2006 Heriot-Watt University, Edinburgh**

Day 2: Thursday 27th April 2006

8.50 – 9.00

REGISTRATION

**CHAIR**

**Karen Fisher (KR Fisher Consultancy Ltd)**

9.00 **Welcome & Introduction to Day 2:** Andrew Pepper (*ATPEC River Engineering Consultancy & RRC Chairman*) 10 mins

9.10 **Keynote Speaker:** Ronnie Falconer (*Senior Consultant Flood Risk and River Basin Management, Jacobs Babié*) Sustainable Flood Management: an Engineer's Viewpoint - Preaching What We've Always Practiced? 15 mins

9.25 **Discussion** 10 mins

**Session 6**

**Gravel Bed Rivers**

*Auditorium*

9.35 [David Gilvear](#) & Nigel Willby (*University of Stirling*) The River Tummel: a Site with Present-Day High Ecological Status Following Recovery from Historical River Engineering. 15 mins

9.50 [Matthew Hardwick](#), Wendy Johnston (*Royal Haskoning*) & Colin Thorne (*University of Nottingham*) Application of Sediment Impact Assessment and Adaptive Management Techniques to Develop Sustainable Flood Management Solutions. 15 mins

10.05 [Christian Moritz](#) (*LIFE Programme Coordinator Wild river landscape Tyrolean Lech*) River Restoration and Engineering at the River Lech (Tyrol, Austria) in the Context of a LIFE-Project. 15 mins

10.20 **Discussion** 15 mins

10.35 **TEA & COFFEE** 30 mins

11.05 **Session 7 A,B,C – Parallel Sessions** 1.05 hrs

12.15 **LUNCH** 1.10 hrs

13.25 **Session 8 A,B,C – Parallel Sessions** 1.10 hrs

14.40 Move to Workshops

14.50 **Workshops** 1.15 hrs

15.10 **TEA & COFFEE (during workshops)**

16.05 **Final Words and Close** 15 mins

16.20 **END OF CONFERENCE**

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**Delegates staying for the site visit have the evening free to explore Edinburgh.**

Day 2 - PARALLEL SESSION PROGRAMME

	<i>Auditorium</i>	<i>Carnegie Room</i>	<i>Wardlaw Room</i>	
Session 7	7A – Community/Biodiversity	7B - Case Studies	7C – Wetting up Floodplains	
<b>CHAIR</b>	<b>Linda Mathieson (Aberdeenshire Council)</b>	<b>Jim Walker ( Environment Agency - Head Office)</b>	<b>Jeremy Biggs ( The Ponds Trust: Policy &amp; Research)</b>	
11.10	<a href="#">Marina Curran - Colthart</a> ( <i>Argyll &amp; Bute Local Biodiversity Partnership</i> ) Catchment Management - Community Demonstration Project Proposal Based on the River Euchar Catchment, South of Oban.	<a href="#">Alfons Oberhofer</a> ( <i>Architect and Landscape Planner, Vienna</i> ) The New Wien River Project – the Urban Reach from Auhof to the Danube Canal.	<a href="#">Joe Morris</a> ( <i>Cranfield University</i> ) Joining up Flood Defence, Biodiversity and Rural Livelihoods in Washlands in England.	15 mins
11.25	<a href="#">Luke Engleback</a> ( <i>Studio Engleback</i> ) & Gary Grant ( <i>Ecoschemes Ltd</i> ) Ecourbanism: The Aesthetics of Restoring Green Heritage in the Built Environment – Redhill Housing Project.	<a href="#">Tim Smith</a> ( <i>Department of Natural Resources, New South Wales</i> ) The Tumut River: An Australian Approach To Regulated River Management.	<a href="#">Ute Menke</a> ( <i>Institute for Inland Water Management &amp; Waste Water Treatment, RIZA, NL</i> ) The River Rhine - Safety Measures Meet Ecology and Vice Versa.	15 mins
11.40	<a href="#">Rebecca Wade</a> ( <i>University of Abertay Dundee</i> ) & Bruce Rhoads ( <i>University of Illinois Urbana Champaign USA</i> ) Stream Naturalisation in Illinois, USA: Integrating Geomorphology, Technology and Local Communities to Improve Physical and Ecological Habitats in Illinois Streams.	<a href="#">Ileana Schipani</a> & Andrea Nardini ( <i>Italian Centre for River Restoration (CIRF)</i> ) The Restoration of the Channelized Sangro River (Abruzzo, Italy): Tackling the Challenge of Providing ‘Less Hydraulic Risk, More Environment’.	<a href="#">Philip Brewin</a> ( <i>Somerset Drainage Boards Consortium</i> ) Achieving Favourable Condition on the Somerset Levels and Moors.	15 mins
11.55	<b>Discussion</b>	<b>Discussion</b>	<b>Discussion</b>	20 mins
<b>Lunch (12.15-13.25)</b>				

Session 8	8A – Project Appraisal	8B – Tools	8C – Fisheries & Habitats
<b>CHAIR</b>	<b>Jenny Mant (River Restoration Centre)</b>	<b>Martin Janes (River Restoration Centre)</b>	<b>John Shillcock (RRC Board Member)</b>
13.30	<a href="#">Kathy Dale</a> (Northern Ecological Services) Laeca Burn Diversion – Making the Best of a Bad Job!	<a href="#">Hugh Ellis</a> (Maccaferri) Environmentally Sensitive Intervention vs Engineering Risk - The Conflict can be Resolved on Your Scheme.	<a href="#">Martin O’Grady</a> (Central Fisheries Board, ROI) River Restoration in Ireland - Our Experiences Over Two Decades. 15 mins
13.45	<a href="#">Oliver Harmar</a> (Halcrom) et al. Experiences from a Seven-Year Programme of River Restoration Management Research: the Case of the River Cole Restoration, near Birmingham, UK.	<a href="#">Mike Wells</a> (Biodiversity by Design Ltd) & Steve Colclough (Environment Agency) Ecologically Designed Intertidal Flood Defences in a Key Area of Urban Regeneration; Multiple Benefits and Lessons Learned.	<a href="#">Mark Horton</a> (Ballinderry Fish Hatchery) Restoring habitat and biodiversity on the Ballinderry River, Co. Tyrone 15 mins
14.00	Jeremy Biggs (Pond Conservation Trust) et al. Does River Restoration Enhance Lotic Biodiversity? Evidence from Southern England.	<a href="#">Jane Brookhouse</a> (RSPB) The Goosemoor Regulated Tidal Exchange (RTE) Project, Exe Estuary.	<a href="#">Marq Redeker</a> (Ruhr River Association (Ruhrverband), Germany) Fish Passage Restoration by Means of Nature-Like Constructions - Ecological Requirements Versus Construction Stability. 15 mins
14.15	<b>Discussion</b>	<b>Discussion</b>	<b>Discussion</b> 25 mins

14.40 **Move to Workshops to begin at 14.50**

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