# Programme of Events

## Day 1: - - - Tuesday 19th May - - -

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Organisation</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Registration in the Hotel Reception Area</td>
<td></td>
<td>80 mins</td>
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<tr>
<td></td>
<td>Refreshments in Bentleys &amp; Astons Suite</td>
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<tr>
<td>09:50</td>
<td>Welcome and Announcements</td>
<td>Martin Janes (RRC)</td>
<td>10 mins</td>
</tr>
<tr>
<td>10:00</td>
<td><strong>River Restoration Centre introduction</strong></td>
<td>Fiona Bowles <em>(RRC Chairman)</em></td>
<td>15 mins</td>
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<tr>
<td>10:15</td>
<td><em>Diagnosing the root causes of hydromorphological degradation and</em></td>
<td>Robert Grabowski <em>(Cranfield University)</em></td>
<td>15 mins</td>
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<tr>
<td>10:30</td>
<td><em>Identifying sustainable management solutions</em></td>
<td>George Heritage <em>(AECOM)</em></td>
<td>15 mins</td>
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<tr>
<td>10:45</td>
<td><strong>Discussion</strong></td>
<td></td>
<td>10 mins</td>
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<tr>
<td>10:55</td>
<td><strong>BREAK</strong></td>
<td></td>
<td>30 mins</td>
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<tr>
<td></td>
<td><em>with tea and coffee</em></td>
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<tr>
<td>11:25</td>
<td><strong>Natural flood management – barriers to progress</strong></td>
<td>Duncan Huggett <em>(Environment Agency/MCIWEM)</em></td>
<td>15 mins</td>
</tr>
<tr>
<td>11:40</td>
<td><em>How to restore morphology and manage floods naturally</em></td>
<td>Shona McConnell <em>(SEPA)</em></td>
<td>15 mins</td>
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<tr>
<td>11:55</td>
<td><strong>The Catchment Restoration Fund – What have we achieved?</strong></td>
<td>Jerry Gallop <em>(Natural England)</em></td>
<td>15 mins</td>
</tr>
<tr>
<td>12:10</td>
<td><strong>Implementing strategic river restoration plans in England</strong></td>
<td>Jenny Wheeldon <em>(Natural England/Environment Agency)</em></td>
<td>15 mins</td>
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<tr>
<td>12:25</td>
<td><strong>Discussion</strong></td>
<td></td>
<td>15 mins</td>
</tr>
<tr>
<td>12:40</td>
<td>LUNCH in Bentleys &amp; Astons Suite</td>
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<td>60 mins</td>
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## Session 2

<table>
<thead>
<tr>
<th>Brooklands Suite</th>
<th>Indianapolis</th>
<th>Monza</th>
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<tbody>
<tr>
<td><strong>The Catchment Restoration Fund</strong></td>
<td><strong>Natural Flood Management</strong></td>
<td><strong>Restoring Designated Rivers</strong></td>
</tr>
<tr>
<td><strong>CHAIR:</strong> Peter King</td>
<td><strong>CHAIR:</strong> Lydia Burgess-Gamble</td>
<td><strong>CHAIR:</strong> Phil Boon</td>
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<tr>
<td><em>(Ouse &amp; Adur Rivers Trust)</em></td>
<td><em>(Environment Agency)</em></td>
<td><em>(Scottish Natural Heritage)</em></td>
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### 13:40

- **River Worfe Restoration Initiative**
  - Joseph Allaby *(APEM Ltd)*

### 13:55

- **Addressing Fish Passage on a Catchment Scale in an Urban Environment**
  - Toby Hull *(South East Rivers Trust)*

### 14:10

- **Discussion.**

### 15 mins

- **From Source to Sea: Sound bites from Holnicote**
  - Steve Rose *(JBA Consulting)*

- **‘Pearls in Peril’ LIFE + Nature – Improving freshwater pearl mussel habitat through restoration of natural processes**
  - Kenneth MacDougall *(Envirocentre)*

- **Flood alleviation through river restoration**
  - Andy Palmer *(AECOM)*

- **Volunteer delivered river restoration project on the Wylye**
  - Martijn Antheunisse *(Wiltshire Wildlife Trust)*

### 15 mins

- **Discussion.**

### 10 mins
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
</tr>
</thead>
</table>
| 14:20 | A holistic approach to river restoration - restoring the Welland for wildlife and for people at Market Harborough  
David Harper (Welland Rivers Trust) |
|       | Rapid Evaluation of NFRM Measures: River Elwy case study  
Cathryn Spence (AECOM) & Jacques Sisson (NRW) |
|       | Land use and river restoration in a predominantly rural catchment – lower River Wye SSSI  
Ellie Phillips (Jacobs) |
| 14:35 | Experiences of restoring physical habitat with an artificial riffle  
Jennifer Cox (University of Portsmouth) |
|       | Holnicote – Exploring a PES approach  
Sacha Rogers (Penny Anderson) |
|       | Lower Woodsford river and floodplain enhancement  
Alasdair Maxwell (Environment Agency) & Jo Cullis (Halcrow CH2M HILL) |
| 14:50 | Discussion. |
| 15:00 | POSTER SESSION in Bentleys  
with tea and coffee |

15 mins 15 mins 15 mins

10 mins

45 mins
## Session 3

<table>
<thead>
<tr>
<th>Indianapolis</th>
<th>Brooklands Suite</th>
<th>Monza</th>
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</thead>
<tbody>
<tr>
<td><strong>Dealing with Weirs</strong></td>
<td><strong>Addressing Multiple Constraints</strong></td>
<td><strong>New Tools for River Restoration</strong></td>
</tr>
<tr>
<td>CHAIR: Dan Alsop (Dan Alsop Chartered Engineer)</td>
<td>CHAIR: Sally German (Arup)</td>
<td>CHAIR: Jo Cullis (CH2M Hill (Halcrow))</td>
</tr>
</tbody>
</table>

### Indianapolis

- **CIRIA Weirs Guide**
  - Sebastian Bentley (JBA Consulting)

### Brooklands Suite

- **Constraints on fish passage easement in Rotherham**
  - David Mould (JBA Consulting)

- **Advances in bank erosion modelling and application to river restoration**
  - Victoria Janes (Cranfield University)

### Monza

- **New Tools for River Restoration**
  - Neil Entwistle (University of Salford)

### Indianapolis (Continued)

- **Pont Aran – weir removal in a town centre**
  - Jo Barlow (Black & Veatch) & Oliver Lowe (Natural Resources Wales)

- **Restoring a contaminated ex-industrial river**
  - Alan McCulloch (SEPA)

- **Rapid aerial survey: A useful new tool for river restorers and managers**
  - Neil Entwistle (University of Salford)

### Indianapolis (Continued)

- **Working with landowners to deliver WFD objectives**
  - Peter King (Ouse & Adur Rivers Trust) & Gareth Williams (Environment Agency)

- **The Doe Lea - restoration in an agricultural and industrial catchment**
  - Claire Barrett-Mold (Environment Agency)

- **Monitoring post-restoration morphology using structure-from-motion photogrammetry**
  - Richard Williams (Aberystwyth University)

### Indianapolis (Continued)

- **Discussion.**

### Brooklands Suite (Continued)

- **Discussion.**

### Monza (Continued)

- **Discussion.**

### Schedule

- 15:45
  - **CIRIA Weirs Guide**
    - Sebastian Bentley (JBA Consulting)

- 16:00
  - **Pont Aran – weir removal in a town centre**
    - Jo Barlow (Black & Veatch) & Oliver Lowe (Natural Resources Wales)
  
  - **Restoring a contaminated ex-industrial river**
    - Alan McCulloch (SEPA)

- 16:15
  - **Working with landowners to deliver WFD objectives**
    - Peter King (Ouse & Adur Rivers Trust) & Gareth Williams (Environment Agency)

- 16:30
  - **Discussion.**

### Notes

- SHORT BREAK TO MOVE TO FINAL JOINT SESSION

- 16:45
  - SHORT BREAK TO MOVE TO FINAL JOINT SESSION (10 mins)
Session 4

Brooklands Suite

CHAIR: Alastair Driver
(Environment Agency)

Keynote Address

16:55 The Rhine – a phoenix rising: How the “sewer of Europe” became the winner of the 2014 Thiess International River Prize
Nathalie Plum (International Commission for the Protection of the Rhine (ICPR))

25 mins

17:20 Discussion (Keynote and General)

20 mins

17:40 Poster competition prizes, final announcements and close
Martin Janes (RRC)

15 mins

17:55 END OF DAY 1

19:30 – PRE-DINNER DRINKS RECEPTION
Astons Suite

&

20:00 – UK RIVER PRIZE AWARDS DINNER
Brooklands Suite
## Session 5

<table>
<thead>
<tr>
<th>Time</th>
<th>Choice of Site Visit or Workshop</th>
<th>Location</th>
<th>Duration</th>
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<tbody>
<tr>
<td>9:00</td>
<td>3 hours 30 mins</td>
<td>Indianapolis</td>
<td>Workshop A: Citizen Science and Monitoring</td>
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<td></td>
<td>Monza</td>
<td>Workshop B: Best Practice Channel Management</td>
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How to cost-effectively demonstrate the success of river restoration projects is a subject that has been discussed at previous river restoration conferences. With a more catchment focus on river restoration now being driven at the local community and river trust level, there is enthusiasm for carrying out citizen-science style monitoring. This workshop will provide examples of where such approaches have been completed, assess what these approaches are able to tell us, and evaluate how these increased data sources can, collectively, be used to establish river restoration trends.

- **RiverSearch: Delivering river restoration through citizen science**
  Jim Jones & Glen Skelton (*Surrey Wildlife Trust*)

- **Engaging all ages in chalk stream restoration**
  Ruth Craig (*Lincolnshire Chalk Streams Project*)

- **Community-based monitoring for catchment management and restoration**
  Eleanor Starkey (*Newcastle University*)

- **The ‘Citizen Crane’ monitoring network**
  Richard Haine (*Frog Environmental*)

- **RiverEYE: A citizen science tool for whole catchment reporting**
  Sarah Taigel (*University of East Anglia*)

Where, when and how should we manage our rivers? Through short introductory presentations and discussion sessions, the workshop will identify different scenarios of management and suitable intervention; what guidance exists to make decisions and who should make those decisions.

- **The channel management handbook**
  Phil Williamson (*Royal HaskoningDHV*)

- **Rural river maintenance**
  Rachael Hill (*Environment Agency*)

- **Emergency dredging of the Somerset Levels – responsible riverworks at speed**
  James Maclean (*Land & Water Services Ltd*)

12:30 LUNCH 65 mins
Flows interact with sediments to help shape the physical characteristics of rivers. Impoundments and water abstraction reduce flows and impact negatively on habitat diversity and other functions such as the triggering of fish migration. This workshop will look at how we can mitigate against low flows and use restorative measures to lessen the impacts of water abstraction.

**Morphological measures to improve low flow environments**  
Judy England (*Environment Agency*) & Sebastian Bentley (*JBA Consulting*)

**Addressing legacy infrastructure in rural catchments in the north west**  
Junaid Patel (*United Utilities*)

**Reinstating hydro-morphological processes in a Heavily Modified Water Body**  
Sally German (*Arup*)

**Use of river restoration to mitigate the impacts of impoundments: a process based approach in Yorkshire**  
Irantzu Lexartza-Artza & Daniel Newton (*Arup*)

Rivers are dynamic systems and restoration works often trigger predictable morphological change. This workshop will discuss the tools we use to assess, monitor and evaluate morphological change and the results we expect from them.

**Fluvial Audit: An essential tool for all river related projects**  
George Heritage (*AECOM*)

**Ecological evaluation of the ‘Process Restoration’ philosophy on the Allt Lorgy, Scotland**  
Hamish Moir (*cbec eco-engineering*)

**Learning from monitoring river restoration in dynamic Cumbrian rivers**  
Helen Reid (*Environment Agency*)

**Hydraulic modelling for river restoration on the Allt Lorgy, Scotland**  
Eric Gillies (*cbec eco-engineering*)
Session 5

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

**Luffield**

**Workshop E:**
River Restoration and Biodiversity

This workshop builds upon an IUCN Expert Workshop (supported by SNH, RRC, EA, NE, NRW, OPW, RA, NIEA, SEPA, and IFI) held in November 2014 to summarise and discuss best practice in river restoration for supporting biodiversity, for enhancing ecosystem services and for developing a more consistent approach to the Habitats Directive, WFD and Floods Directive. The workshop will aim to share, discuss, and reach common position statements on our confidence in applying river restoration for biodiversity objectives. It will also explore proposals for demonstration projects and strategic restoration plans.

**Site Visit:**
Ouse Valley Park Floodplain Forest & Cosgrove Weir Removal

This is a chance to visit two very different sites and to interact with those that are directly involved in their restoration. The first site will be the Ouse Valley Park. Here 50 hectares of floodplain are being restored to create a network of habitats which include wet woodland, pools and channels. Following this, we will visit the Cosgrove Weir removal site on the River Tove. The failure of this weir provided an opportunity to improve channel conditions and help deliver WFD objectives.

This site visit will involve walking a distance of up to 2 miles

The progress of river restoration in UK and Ireland
Phil Boon (Scottish Natural Heritage)

Towards a report on the current practice and future of river restoration
Phil Boon (Scottish Natural Heritage)/Stephen Addy (The James Hutton Institute)

**Thinking laterally: Floodplain meadows: a case for restoration**
Emma Rothero (Open University/Flood Plain Meadows Partnership)

Building consensus – position statements on a range of aspects of river restoration
All

12:30  LUNCH  65 mins
### RIVER RESTORATION CENTRE 16TH ANNUAL NETWORK CONFERENCE

**People and Process-Based River Management: Restoring River Processes; Natural Flood Management; Healthy Catchments**

19th and 20th May 2015 – Whittlebury Hall Hotel & Spa, Northamptonshire

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<tr>
<th><strong>Session 6</strong></th>
<th><strong>Brooklands Suite</strong></th>
<th><strong>Monza</strong></th>
<th><strong>Indianapolis</strong></th>
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<tbody>
<tr>
<td></td>
<td>Working with Urban Rivers</td>
<td>Monitoring: Effective Assessment</td>
<td>Partnership Delivery</td>
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<tr>
<td><strong>CHAIR:</strong></td>
<td>Paul Chapman</td>
<td>Judy England</td>
<td>Karen Fisher</td>
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<tr>
<td>(London Borough of Lewisham)</td>
<td>(Environment Agency)</td>
<td>(Buckinghamshire County Council)</td>
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<tr>
<td>13:35</td>
<td><strong>The Sketchley Brook: An Example of Urban River Restoration</strong></td>
<td><strong>Restoration, conservation and resilience in lowland rivers</strong></td>
<td><strong>Sheffield model for sustainable investment</strong></td>
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<td></td>
<td>Daniel Allum (BWB Consulting)</td>
<td>Murray Thompson (University College London)</td>
<td>Helen Batt (River Stewardship Company)</td>
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<tr>
<td>13:50</td>
<td><strong>Urban Pocket Wetlands: A Biodiversity Offsetting Solution</strong></td>
<td><strong>Lessons learned from monitoring the ecological outcomes of river rehabilitation works in the UK</strong></td>
<td><strong>Maximising the value of large infrastructure projects – delivering river restoration as part of major capital works</strong></td>
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<td>Leela O’Dea (Frog Environmental)</td>
<td>Michelle Smith (Hull International Fisheries Institute)</td>
<td>Lyndon Baker (Atkins)</td>
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<tr>
<td>14:05</td>
<td><strong>Restoring Natural Processes in Wandle Park</strong></td>
<td><strong>Monitoring sediment and nutrient pollution on the Lid Brook</strong></td>
<td><strong>Ballymoney Riverside Park restoration: from boating lake to salmonid channel in three months</strong></td>
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<td>Ian Dennis (Royal HaskoningDHV)</td>
<td>Simon Browning &amp; Edward Lang (Wavelength Environmental)</td>
<td>Gareth Greer (Rivers Agency) &amp; John Kane (DCAL Inland Fisheries)</td>
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<tr>
<td>14.20 Discussion.</td>
<td>Discussion.</td>
<td>Discussion.</td>
<td>15 mins</td>
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**SHORT BREAK TO MOVE TO FINAL JOINT SESSION**

14.35
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Details</th>
<th>Duration</th>
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<tbody>
<tr>
<td>14:45</td>
<td>Nene Valley Nature Improvement Area – Making space for nature</td>
<td>Jim Rouquette <em>(University of Northampton)</em></td>
<td>15 mins</td>
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<tr>
<td>15:00</td>
<td>Developing Lewisham’s rivers</td>
<td>Paul Chapman <em>(London Borough of Lewisham)</em></td>
<td>15 mins</td>
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<tr>
<td>15:15</td>
<td>River restoration – Priorities for action</td>
<td>RRC</td>
<td>15 mins</td>
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<tr>
<td>15:30</td>
<td>Discussion and Close.</td>
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<td>15 mins</td>
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<tr>
<td>15:45</td>
<td>END OF CONFERENCE</td>
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**REFRESHMENTS**

*tea and coffee available*