

Science, **Water** and **Nature**: striving for a sustainable future

Engineering, agriculture, ecology and the water industry – collaborating to maximise the use of nature-based solutions. What have we learnt and what can we do to facilitate a sustainable future ensuring costs and benefits for industry and society are understood?

Venue: Five Lakes, Essex

Dates: Wednesday 6th & Thursday 7th October 2021

Day 1

10.00	Welcome	Heidi Mottram , CEO, Northumbrian Water Group
10.10	Opening message via video (pre-recorded)	His Royal Highness, The Prince of Wales
10.20	<p>Session 1: Challenges and opportunities for the water industry: how can nature and science help provide solutions?</p> <p>Water industry</p> <p>Land owner/manager</p> <p>Economist</p> <p>Q&A</p>	<p>Ian Barker, Vice President Environment, Institute of Water</p> <p>Keith Haslett, Water Director, NWG & Jo Harrison, Director of Environment, Planning and Innovation, United Utilities</p> <p>Jon Dearsley, Director, Natural Capital Advisor, Food & Farming Consultant, Savills</p> <p>Lucy Watkinson, Economist, Economics of Biodiversity Review, HM Treasury</p>
11.45	Break	
12.05	<p>Session 2: How can legislation, policy and guidance facilitate implementing nature-based solutions? What innovations can ecologists, planners and land managers work together on to add to this?</p> <p>Government/Defra perspective via video (pre-recorded)</p> <p>Private investment through emerging markets</p> <p>Green economy, environmental accounting & capital investment</p> <p>Land owner perspective – clarity and conflict</p> <p>Q&A</p>	<p>Penny Simpson, Partner, Freeths</p> <p>Rebecca Pow, Parliamentary Under Secretary of State, Defra</p> <p>David Hill, Chairman, Environment Bank</p> <p>Jacque McGlade, Professor of Natural Prosperity, Sustainable Development and Knowledge Systems, UCL</p> <p>Matthew Morris, Land Steward – Eastern District, Duchy of Cornwall</p>
13.25	Lunch	
14.20	<p>Travel to Abberton, site tour</p> <p>4 stops on walking tour: Water resources, Land management, Engineering, Conservation & science</p>	
16.45 – 17.30	Poster session – research, case studies or work within the industry displayed	Tom Cameron , Senior Lecturer, School of Life Sciences, University of Essex
19.30	Dinner	

Day 2

08.45	Introduction & housekeeping	
09.00	<p>Session 3: What is a fair way of funding sustainable progress in the water industry?</p> <p>Natural capital accounting</p> <p>Integrated approach</p> <p>Funding, partnerships & achieving multiple benefits at catchment scale: a 'bottom-up' perspective from Tweed</p> <p>Q&A</p> <p>Debate</p>	<p>Sarah Hendry, Director General, CLA</p> <p>Ian Dickie, Director, etfec</p> <p>Phillip Blaen, Sustainability Manager, & Lucille Hutton, Economic Modeller, Yorkshire Water</p> <p>Chris Spray, Tweed Forum trustee & Emertius Professor of Water Sciences & Policy, UNESCO centre, Uni of Dundee</p> <p>Including session speakers & James Good, Partner, BCLP & Bart Schoonbaert, Ofwat</p>
10.30	Break	
10.50	<p>Workshops</p> <p>a) How could a large waterbody like Abberton be used as a purpose-built laboratory for future innovation? What could future collaborations across sectors, industry and academia look like?</p> <p>b) How do we make the most of regulatory and legislative changes (such as WINEP reform, Environment Bill, Agriculture Bill) to increase partnership working and get nature-based solutions to scale?</p> <p>c) How to standardise and make it the normal to include social and natural costs and benefits as part of the whole life costings of projects?</p>	<p>Max Wade, President CIEEM, Technical Director, AECOM</p> <p>Bart Schoonbaert, Director – Environment, Public Value & Governance, Ofwat</p> <p>Ian Dickie, Director, etfec</p>
12.00	Feedback by facilitators	
12.30	Lunch	
13.30	<p>Session 4: What next? How to build on successes? How can the learning from this event be used?</p> <p>Case study – Healthy Crops, Healthy Water: Partnerships not projects</p> <p>Case study – Incentives for catchment solutions</p> <p>Q&A</p> <p>Forward look discussion</p>	<p>Simon Lyster, former Non-Executive Director, Northumbrian Water Group</p> <p>Richard Reynolds, Senior Agronomy Advisor, Anglian Water</p> <p>Ben Balmford, PhD and Post Doc researcher, University of Exeter</p> <p>Keith Haslett, Max Wade, James Good, Bart Schoonbaert</p>
14.50	Closing remarks	Simon Lyster