



**VALUING  
NATURE**

# Valuing Nature Annual Conference 2017

**18 & 19 October 2017**

**John McIntyre Centre 18 Holyrood Park Road Edinburgh EH16 5AY**



[valuing-nature.net/valnat17](http://valuing-nature.net/valnat17)

**#ValNat17**

# Welcome...

## ...to the Valuing Nature Annual Conference 2017!

On behalf of the Valuing Nature Programme Coordination Team and the Programme funders, I'm delighted to welcome you to this year's conference!

You will see from the delegate list that this conference brings together a fabulous range of people from diverse areas of research and applied interests, all with the common goal of tackling Valuing Nature challenges. This year, in addition to presentations, panel discussions and posters, we have included extra space for sharing experiences and for more active participation to help develop understanding and build connections so that we can all tackle those challenges more effectively.

The conference will give you the opportunity to:

- **Catch up on UK and international research findings and innovative applications of Valuing Nature approaches** – throughout the programme, including our Keynote Speaker, Deep Dive Panel Sessions and Presentation Sessions
- **Participate in interactive sessions with freedom to think creatively and critically about Valuing Nature and learn and share experiences** – choose which Interactive Session is for you
- **Understand the developing evidence base and emerging new concepts that can help to inform decision making** – see the Presentations, Posters and Networking Opportunities, and contributions from the seven Valuing Nature Programme projects throughout the programme
- **Help shape the future Valuing Nature agenda for research and application in the UK and internationally** – contribute to the discussions, add a leaf to the Valuing Nature Tree to identify the next big step for Valuing Nature, and identify priority topic areas for a forthcoming Valuing Nature funding call to develop policy briefs or evidence reviews on Natural Capital
- **Showcase your new findings, tools or communications and share your views and perspectives on this dynamic and growing area of research and practice** – experience the Afternoon Tea Activities, try out the demos, and enjoy the films in the Cinema.

We hope you will find the conference both enjoyable and valuable. Please do join in the conversations on Twitter #ValNat2017 and give us your feedback by filling in the form at the end of the meeting.

As ever, huge thanks to the funders, and to our Programme Advisory Group, now chaired by Louise Heathwaite. Thanks to everyone who is participating and presenting, and special thanks to our Keynote Speaker, Georgina Mace, to the organisers of the Health & Wellbeing Deep Dive Panel Session, Rebecca Lovell and Ben Wheeler, and to Val Woods who has been the lynchpin for the whole event!

**Anita Weatherby – Centre for Ecology & Hydrology**

**On behalf of the Valuing Nature Programme Coordination Team: Rosie Hails, Val Woods, Guy Duke, Jonathan Porter, Ece Ozdemiroglu, Rob Fish, Charles Godfray and Michael Winter.**

*The Valuing Nature Programme is a 5 year £7M research programme which aims to improve understanding of the value of nature both in economic and non-economic terms, and improve the use of these valuations in decision making. It funds interdisciplinary research and builds links between researchers and people who make decisions that affect nature in business, policy-making and in practice. The Valuing Nature Programme is funded by the Natural Environment Research Council, the Economic and Social Research Council, the Biotechnology and Biological Sciences Research Council, the Arts and Humanities Research Council, and the Department for Environment, Food and Rural Affairs.*

## Day 1 - Wednesday 18 October

12:00	Registration - tea, coffee, cakes, fruit	
13:00	Setting the Scene	Pentland Room
13:00	Welcome and Update from the Valuing Nature Programme	
13:20	Keynote: Valuing Nature and the Sustainable Development Goals	
14:20	Setting the Scene	
14:30	Afternoon Tea Activities - cakes & sandwiches	Centro, Concourse & Foyer
16:00	Deep Dive Panel Sessions	<i>Please choose one of the two parallel sessions</i>
	Session A: Health & Wellbeing	Pentland Room
	Session B: Tipping Points	Prestonfield Room
17:30	Close	
19:30	Networking Dinner (cash bar)	South Hall

## Day 2 - Thursday 19 October

08:30	Tea, coffee, Danish pastries	
09:00	Interactive Sessions	<i>Please choose one of the five parallel sessions</i>
	Session C: Demystifying Health	Pentland East
	Session D: Economic valuation in practice	Pentland West
	Session E: Communication / co-production	Prestonfield Room
	Session F: Adaptation to climate change	Holyrood Room
	Session G: Business challenges	Salisbury Room
10:30	Tea, coffee, cake, fruit	Centro and Concourse
11:00	Presentation Session 1	<i>Please choose one of the three parallel sessions</i>
	Session H: Health & Wellbeing Understanding the role of the environment	Pentland East
	Session I: Arts Exploring arts-based engagements with valuing nature	Pentland West
	Session J: Valuation Interdisciplinary & applied valuation: focus on the natural sciences	Prestonfield Room
12:30	Lunch	Centro and Concourse
13:30	Presentation Session 2	<i>Please choose one of the three parallel sessions</i>
	Session K: Landscape Shaping future decisions for people and nature	Pentland Room
	Session L: Urbanscape Natural capital accounts and local applications	Prestonfield Room
	Session M: Seascape Valuation & participatory approaches to marine planning	Holyrood Room
15:00	Closing Session	Pentland Room
15:30	Close and Refreshments	Centro and Concourse

## Day 1 - Wednesday 18 October

**12:00** Registration - tea, coffee, cakes, fruit

**13.00** Setting the Scene

**Pentland Room**

**13:00** Welcome and Update from the Valuing Nature Programme

*Rosie Hails, Centre for Ecology & Hydrology - Valuing Nature Programme Coordination Team*

**13:20** Keynote: Valuing Nature and the Sustainable Development Goals

*Georgina Mace, University College London*

**14:20** Setting the Scene

*Rob Fish, University of Kent - Valuing Nature Programme Coordination Team*

**14:30** Afternoon Tea Activities

**Centro, Concourse & Foyer**

**Enjoy tea, coffee, cakes and sandwiches while you meet other attendees and....**

*...experience the hands-on activities or try apps, tools and demos*

*...read the posters and discuss findings with their authors*

*...watch the videos in the cinema*

### Activities

**Centro, Concourse & Foyer**

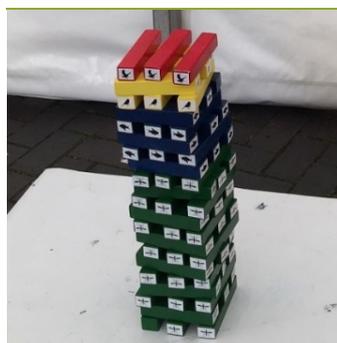
#### Experience, play, contribute

##### Help the Valuing Nature Tree to Grow

Add a leaf to the tree to tell us your challenges and insights for Valuing Nature topics, including:

- What is the next big step for Valuing Nature?
- Where should we branch out - what is the next big practical need for Valuing Nature?
- What conversations should we be cultivating?

*Valuing Nature Programme Coordination Team*



##### Do Mosquitoes Really Suck? Play mosquito jenga to see how mosquitoes support the food chain.

The Valuing Nature WetlandLIFE project considers how positive socio-cultural and ecological values of wetlands can be maximised for wellbeing and negative attitudes reduced.

*Peter Coates, University of Bristol - Valuing Nature Programme WetlandLIFE project*

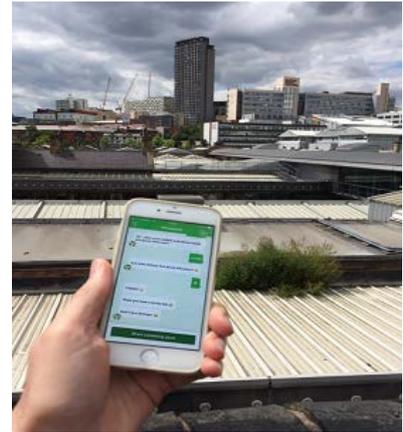


## Apps, tools and demos

### Shmapped! Mapping the city environment to understand how nature can improve health & wellbeing

Try out the innovative Shmapped app that is being used in Sheffield to map the good things in the city environment. Shmapped allows you to document the positive aspects of your surroundings using photos, descriptions and GPS coordinates.

*Eleanor Comley, The Sheffield and Rotherham Wildlife Trust  
Valuing Nature Programme IWUN project (Improving Wellbeing through Urban Nature)*



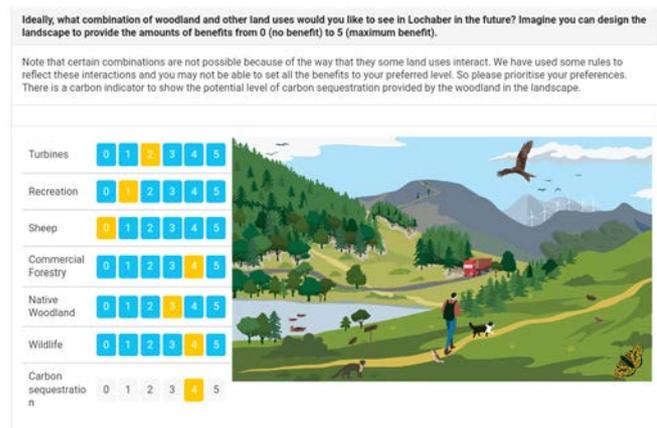
### Demonstration of MeLoDIC, a web-based spatial multi-criteria analysis tool

Try out the MELODIC tool - a web-based spatial multicriteria analysis tool that allows users to provide mapped criteria and to weigh them interactively to produce maps of suitability for a land use change of interest, such as woodland expansion.

*Alessandro Gimona, The James Hutton Institute*

### The LandPref interactive tool

Imagine you can design the landscape: what combination of land uses do you want and what trade-offs would you make? LandPref is an interactive app for developing land use visions, which is freely available under a creative commons licence; tablets will be available for delegates to try out the tool by developing their vision for land use and woodland expansion in the uplands of Scotland.



*Louise Sing, Forest Research / University of Edinburgh*



### CORPORATES: how the ecosystem services concept supports stakeholder engagement

The CORPORATES project (see Beth Scott's talk for further info) brought together natural and social scientists, experts in law and policy, and marine managers, with the aim of promoting more integrated decision making use of ecosystem service concepts in marine management. A hands-on process was developed which brings the ecosystem service concept into stakeholder

engagement, providing a way to explore benefits, values and trade-offs, and here you will be able to try out aspects of the process yourself.

*Jaqui Tweddle, University of Aberdeen*

**CarbonArts** mini-documentaries on using public art for environmental awareness

**Valuing Nature Placements** videos of the placement holders experience – created by Rose Galsworthy, Countryside

**Marine Ecosystems Research Programme** - outputs from stakeholder scenario assessment: ethnographic video interviews with local sea users on how their cultural values may be affected

**Why only witness nature...**when immersion in it aids our wellbeing - video by Diane Sammons

**The City of the Future: Joyce, Gide, Le Corbusier and Ecosystem Earth** - film by Theresa O'Connor

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**Valuing Nature Projects**

1. **WetlandLIFE: Taking the bite out of wetlands – Mosquito monitoring to support wetland expansion for human wellbeing**  
*Tim Acott, University of Greenwich*
2. **CoastWEB: valuing the contribution which COASTal habitats make to human health and WELLBeing with a focus on the alleviation of natural hazards**  
*Nicola Beaumont, Plymouth Marine Laboratory*
3. **Improving Wellbeing through Urban Nature (IWUN) - 1 year in**  
*Anna Jorgensen, University of Sheffield*
4. **Green Infrastructure to promote health and wellbeing in an ageing population (GHIA)**  
*Sarah Lindley, University of Manchester*
5. **Identifying potential tipping points in the benefits derived from the UK's land ecosystems**  
*Greg Smith, University of Exeter*
6. **Tipping points and abrupt changes in ecosystem services across landscapes and seascapes (TPAL)**  
*Stephen Watson, University of Bournemouth*
7. **Understanding Ecosystem Stocks and Tipping Points in UK blanket peatlands**  
*Dylan Young, University of Leeds*

**Valuing Nature Placements**

8. **Engaging business with the post Brexit Natural Capital approach**  
*Colm Bowe, Liverpool John Moores University*
  9. **Addressing the influence of human values on selective investment in conservation priorities**  
*Thomas Davies, University of Exeter*
  10. **Identifying evidence needs for modelling and valuing aquaculture potential in marine plan areas**  
*Sofia C. Franco, Newcastle University*
  11. **Enhancing wellbeing: Can engaging with nature in the school grounds improve children's wellbeing and mood?**  
*Deborah Harvey, Royal Holloway University of London*
  12. **Linking ecosystems within national health strategies on antimicrobial resistance**  
*Graziella Iossa, University of Lincoln*
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13. **Sharing Stories, Sharing Collections: Valuing Biodiversity in Wales**  
*Poppy Nicol, Cardiff University*
14. **Body, brain and mind: the well-being benefits of urban wetlands**  
*Jonathan Reeves, Wildfowl & Wetlands Trust*
15. **Developing indicators of success for nature based public health interventions**  
*Geoff Whitman, London School of Hygiene and Tropical Medicine*

## Valuing Nature Network

16. **Cultural values of UK marine ecosystem services**  
*Gill Ainsworth Centre for Ecology & Hydrology*
17. **Natural Capital Metrics**  
*Bill Bealey, Centre for Ecology & Hydrology*
18. **Understanding stakeholder visions for woodland expansion in Scotland**  
*Vanessa Burton, University of Edinburgh*
19. **Modelling the contribution of natural capital to the wider economy**  
*David Comerford, Fraser of Allander Institute*
20. **Getting Smarter with Nature**  
*Mike Grace, Birmingham City University and Urban Living Birmingham*
21. **Ecosystem services in the South Pennines - an upland pilot**  
*Robin Gray, South Pennines Local Nature Partnership*
22. **The Health and Wellbeing Impacts of Volunteering with The Wildlife Trusts**  
*Dominic Higgins, The Wildlife Trusts*
23. **Exploring the relationship between nature and children's well-being in a redesigned schoolyard**  
*Matluba Khan, University College London*
24. **Wild is beautiful? An investigation into the links between rewilding & aesthetics in the Scottish Highlands**  
*Tom McKenna, Scottish Natural Heritage*
25. **Are management practices supporting ecosystem services and amenity in urban parks and greenspaces?**  
*Corinne Muir, University of Warwick*
26. **Valuing the Natural Capital of Highways England's soft estate**  
*Kenton Rogers, Treeconomics*
27. **Forest Biodiversity Effects on Optimal Rotation Length**  
*Vadim Saraev, Forest Research*
28. **Developing Natural Capital Accounts for the UK**  
*Colin Smith, Defra*
29. **Biodiversity, Ecosystem Functioning and Value of Restored Saltmarshes in the Eden Estuary, Fife**  
*Kate Wade, University of St Andrews*
30. **Valuing green infrastructure development at Musgrave Park Hospital**  
*Marios Zachariou, Queen's University Belfast*

**Session A: Health & Wellbeing****Pentland Room****Nature and health: What do we know, what do we need to know, and how do we get there?**

This session will provide the opportunity to consider the evidence on natural environments and health and wellbeing that has accumulated in recent years, and to debate its value and where the field goes next. Experts from a range of disciplines and sectors will present short talks to set the scene and raise questions and challenges. Issues considered will include equity (and inequity), research methods, application and valuation. This will be followed by a panel discussion and Q&A with the audience to discuss the issues from a range of perspectives. Delegates attending the session will be encouraged to critically consider how far we have come, and how we define the next steps for research, policy and practice?

**Chairs: Rebecca Lovell and Ben Wheeler, University of Exeter Medical School**

**Rebecca Jefferson, RSPB**

**Catherine Ward-Thompson, University of Edinburgh**

**Ruth Waters, Natural England**

**Mat White, University of Exeter Medical School**

**Session B: Tipping Points****Prestonfield Room****Understanding values for ecosystem stocks and tipping points**

This session will consider limitations of current understanding and application and identify future needs from research and through implementation. Panel members from different disciplines and sectors will set the scene and raise questions and challenges. This will be followed by a panel discussion and Q&A with the audience to dive into the issues from a range of perspectives

Issues/questions to be considered could include:

- How do we define and detect tipping points and how frequent are they?
- An exploration of the relationships between assets & benefits.
- How to operationalise these concepts?
- How could policy be recast to reflect new understanding?

**Chair: Louise Heathwaite, Lancaster University**

**Charles Godfray, University of Oxford**

**Rosie Hails, Centre for Ecology & Hydrology**

**Julian Harlow, Defra**

**Jasper Kenter, Scottish Association for Marine Science**

**Bruce Wilson, Scottish Wildlife Trust**

**17:30 Close****19:30 Networking Dinner with cash bar****South Hall**

## Day 2 – Thursday 19 October

**08:30** Tea, coffee, Danish pastries

**09.00** Interactive Sessions

*Please choose one of the five parallel sessions*

### **Session C: Demystifying Health**

**Pentland East**

#### **Contribute to the Valuing Nature Demystifying Health publication**

**Rebecca Lovell, University of Exeter**

This session, led by the European Centre for Environment and Human Health, will contribute to the development of a ‘Demystifying Health’ paper. The paper will be the next in the Valuing Nature Programme’s ‘Demystifying...’ series and follows the Demystifying Economic Valuation published in 2016. During the highly interactive session we will explore questions such as ‘what is health?’, ‘how do conceptions of health differ?’, and ‘what are the implications of different ways of thinking about health?’. Attendees will work together to explore these key questions and expert speakers will give us their perspective on the differences between health prevention, health promotion and therapeutic intervention, and the relationships between wellbeing and health.

### **Session D: Economic valuation in practice**

**Pentland West**

#### **Share practical experiences of economic valuation**

**Ece Ozdemiroglu, eftec - Valuing Nature Programme Coordination Team**

**Helen Dunn, Independent**

**Nicola Beaumont, Plymouth Marine Laboratory – Valuing Nature Programme CoastWeb project**

This session is for those who use economic valuation methods and economic value evidence in their work. All participants will be encouraged to share their experiences. Discussion will be shaped by the participants but topics are expected to include:

- Why those who commission economic studies think they need economic value evidence;
- How they decide which methods to use;
- What does good practice look like;
- What challenges are faced and how they are overcome;
- How do you work with other disciplines, clients and stakeholders;
- How they interpret the findings; and
- How they use economic value evidence with other data.

There are various discussions about the concepts, principles and rights and wrongs of economic valuation. This session is for learning from the coalface.

### **Session E: Communication / co-production**

**Prestonfield**

#### **Moving from communications to co-production – what works when working with mixed stakeholder groups?**

**Jonathan Porter, Countryside - Valuing Nature Programme Coordination Team**

This session will allow participants to share experience and learn about how to work with mixed stakeholder groups when carrying out valuing nature research. Participants will be challenged to think afresh about how they work with stakeholders to co-produce outputs that are useful. Following initial flash presentations, participants will circulate around a stakeholder map to discuss different approaches to working with national government, local government, NGOs, landowners, business, community groups, and the general public. Participants will identify how and when to work with each stakeholder group as well as potential challenges and pitfalls.

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## Session F: Adaptation to climate change

Holyrood Room

### Adaptation to climate change: language, metrics, people

**Kathryn Brown, Climate Change Committee Secretariat**

**Mary Christie, Scottish Natural Heritage**

Research and practice for adaptation to climate change and valuing nature seem to develop along separate trajectories. In some specific topics such as flood risk management they converge. But there is so much that can and should be done when we think about natural environment and climate change simultaneously; not least because climate change will influence what kind of natural environment is possible in the future. This requires long term and multidisciplinary thinking – a key aspect of Valuing Nature Programme.

This session will be an opportunity to hear about the evidence on climate change risks and opportunities as presented in the Climate Change Risk Assessment (2016) by the Committee on Climate Change – Adaptation Sub Committee (ASC). The risks and opportunities are presented as they apply to the natural environment and natural assets, infrastructure, people and the built environment, business and industry, international dimensions and cross cutting issues. The evidence will be presented and the discussion will be led by Kathryn Brown (Senior Analyst, CCC Secretariat). The presentation will also touch on the government’s progress in delivering the commitments in the National Adaptation Programme and how effective this has been in reducing our vulnerability to climate change.

After the presentation, we will have an opportunity to discuss (i) how best to define desired future outcomes for the natural environment, taking climate change into account, and ii) how the work of the Valuing Nature Programme can help to measure whether we are achieving these outcomes.

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## Session G: Business challenges

Salisbury Room

### Valuing nature and business – what am I really thinking?

**Guy Duke, Valuing Nature Programme Coordination Team (moderator)**

**John O’Neill, University of Manchester**

**Mike Packer, Ecosystem Assets Ltd**

**Mat Roberts, Interserve PLC**

**Alister Scott, University of Northumbria**

This session will offer some provocative views on valuing nature and business, and stimulate debate. Two speakers from business and two from academia will present their frank views on questions such as: What does business really think about valuing nature? Is business only interested in the bottom line? Will business only value nature if it pays? Is valuing nature a convenient means for business to perpetuate the exploitation of nature? Are academics jumping on the valuing nature bandwagon falling in to a trap set by liberal economists? What are the problems with valuation of nature? Can valuing nature really help business, and the world, move towards environmental sustainability? Speakers will have 10-15 minutes each to present their views, followed by a no doubt lively debate.

John O’Neill recently published [Life Beyond Capital](#) on the increasing domination of environmental valuation by the language of business-of capital and markets – and problems with the financialisation of nature to ‘make nature pay’. Mike Packer is a Director of Ecosystem Assets, providing consulting services on valuing nature and financing conservation, and is a BBOWT Trustee. Mat Roberts leads development of the [Interserve SustainAbilities Plan](#) with a focus on social and natural capital. Alister Scott is a NERC Knowledge Exchange Fellow on [mainstreaming green infrastructure](#), and a self-confessed ‘pracademic’ bringing together research and business on environmental challenges.

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**10:30**     **Tea, coffee, cake, fruit**  
*Networking and posters*

**Centro and Concourse**

**11:00**     **Presentation Session 1**

*Please choose one of the three parallel sessions*

### **Session H: Health & Wellbeing**

**Pentland East**

#### **Understanding the role of the environment across our diverse society**

*Chair: Ece Ozdemiroglu, eftec – Valuing Nature Programme Coordination Team*

#### **Cultures and values of nature and wellbeing: reflecting a diverse society**

*Jo Birch, University of Sheffield – Valuing Nature Programme IWUN project*

#### **NHS greenspace in Scotland**

*Kevin Lafferty, Forestry Commission Scotland and Liz O’Brien, Forestry Commission England*

#### **Green space quantity and mental health: evidence on gender differences in relationships and use of work status as a proxy for exposure**

*Lynette Robertson, Nature Harmonics / OPENspace Research Centre / Glasgow School of Art*

#### **Green prescribing for refugees and asylum seekers**

*Claire Rishbeth, University of Sheffield – Valuing Nature Programme IWUN project*

#### **Perceptions of Flood Risk, Mental Health and Subjective Well-being**

*Sue Williams, Natural Resources Wales*

### **Session I: Arts**

**Pentland West**

#### **Exploring arts-based engagements with valuing nature**

*Chair: Rob Fish, University of Kent – Valuing Nature Programme Coordination Team*

#### **The Role of Ecological Arts and Creative Geographies in Valuing Urban Green Infrastructure**

*Jenna Ashton, Manchester Metropolitan University – Valuing Nature Programme GHIA project*

#### **Found voice: Visual art as a novel data source to elicit cultural ecosystem services**

*Rosalind Bark, University of East Anglia*

#### **Gardening for Wellbeing: Art and research in collaboration**

*Yvonne Black, Hull University Business School*

#### **A new perspective on saltmarshes: ecology meets art**

*Angus Garbutt, Centre for Ecology & Hydrology – Valuing Nature Programme CoastWeb project*

#### **Optimising conditions for visual arts to affect changing perceptions of nature, and to enhance research practice**

*Polly Moseley, Liverpool John Moores University*

### **Session J: Valuation**

**Prestonfield Room**

#### **Interdisciplinary and applied valuation: with a focus on the natural sciences**

*Chair: Michael Winter, University of Exeter – Valuing Nature Programme Coordination Team*

#### **WetlandLIFE: Nested ecosystem services, wellbeing and valuing nature**

*Tim Acott, University of Greenwich – Valuing Nature Programme WetlandLIFE project*

#### **Implementing natural capital in practice - the risk and opportunity for nature conservation**

*Louisa Williams, RSPB*

**Exploring indicators of greenspace ‘quality’ in relation to self-reported general health**

*Paul Brindley, University of Sheffield – Valuing Nature Programme IWUN project*

**River Restoration - researcher and stakeholder perspectives on the assessment and valuation jigsaw puzzle**

*Kelly Ann Dempsey, River South Esk Catchment Partnership and Rebecca Wade, Abertay University*

**CoastWEB: Experiences from the interdisciplinary coalface**

*Nicola Beaumont, Plymouth Marine Laboratory – Valuing Nature Programme CoastWEB project*

**12:30**

**Lunch**

*Networking and posters*

**Centro and Concourse**

**13:30**

**Presentation Session 2**

*Please choose one of the three parallel sessions*

**Session K: Landscape**

**Pentland Room**

**Shaping future decisions for people and nature**

*Chair: Jonathan Porter, Countryside – Valuing Nature Programme Coordination Team*

**Strathard - lessons from using an ecosystems approach**

*Nicola Melville (co-author Roger Owen), Scottish Environment Protection Agency*

**Eddleston water study: maximising benefits to local communities**

*Chris Spray, University of Dundee*

**Tipping points and abrupt changes in ecosystem services across landscapes and seascapes: the Valuing Nature TPAL Project**

*Stephen Watson, University of Bournemouth – Valuing Nature Programme TPAL project*

**The effect of environmental attitudes and identity-related variables on stated preferences: a choice experiment study on peatland restoration in Scotland**

*Michela Faccioli, The James Hutton Institute*

**Session L: Urbanscape**

**Prestonfield Room**

**Natural capital accounts and local applications**

*Chair: Michael Winter, University of Exeter – Valuing Nature Programme Coordination Team*

**Developing Natural Capital Accounts for the UK: a brief introduction**

*Colin Smith, Defra*

**Urban Natural Capital Accounts**

*Hamish Anderson, Office for National Statistics*

**Manchester Urban Natural Capital Account**

*Philip Cryle, eftec*

**Developing the Natural Capital Account for air pollution removal by vegetation**

*Laurence Jones, Centre for Ecology & Hydrology*

**Greater Manchester Natural Capital Approach**

*Krista Patrick, Greater Manchester Combined Authority*

## Session M: Seascape

Holyrood Room

### Valuation and participatory approaches to marine planning

*Chair: Rob Fish, University of Kent – Valuing Nature Programme Coordination Team*

#### **Integrated valuation in the UK Marine Ecosystems Research Programme: Implications of different marine futures**

*Jasper Kenter, Scottish Association for Marine Science*

#### **Does the use of ecosystem services concepts support local stakeholder participation and improve the marine spatial planning process?**

*Beth Scott, University of Aberdeen*

#### **Assessment of ecosystem service flows from Marine Protected Areas: The Valuing Nature matrix approach and beyond!**

*Daryl Burdon, University of Hull*

#### **The role of Strategic Environmental Assessment in delivering marine natural capital sustainability - a long term UK case history**

*John Hartley, Hartley Anderson Ltd*

**15:00 Closing Session**

**Pentland Room**

### Conference Wrap Up: lessons, challenges and future directions

*Rosie Hails, Centre for Ecology & Hydrology*

**15:30 Close and Refreshments**

**Centro and Concourse**