

Lightning Talks

Chair: Ece Ozdemiroglu, eftec

Lightning Talks

Valuing landscape condition

Lisa Norton, Centre for Ecology & Hydrology

SENCE maps to communicate natures value

Katie Medcalf, Environment Systems

BESS-EO: Earth Observation for Biodiversity and Ecosystem Services Beth Cole, University of Leicester

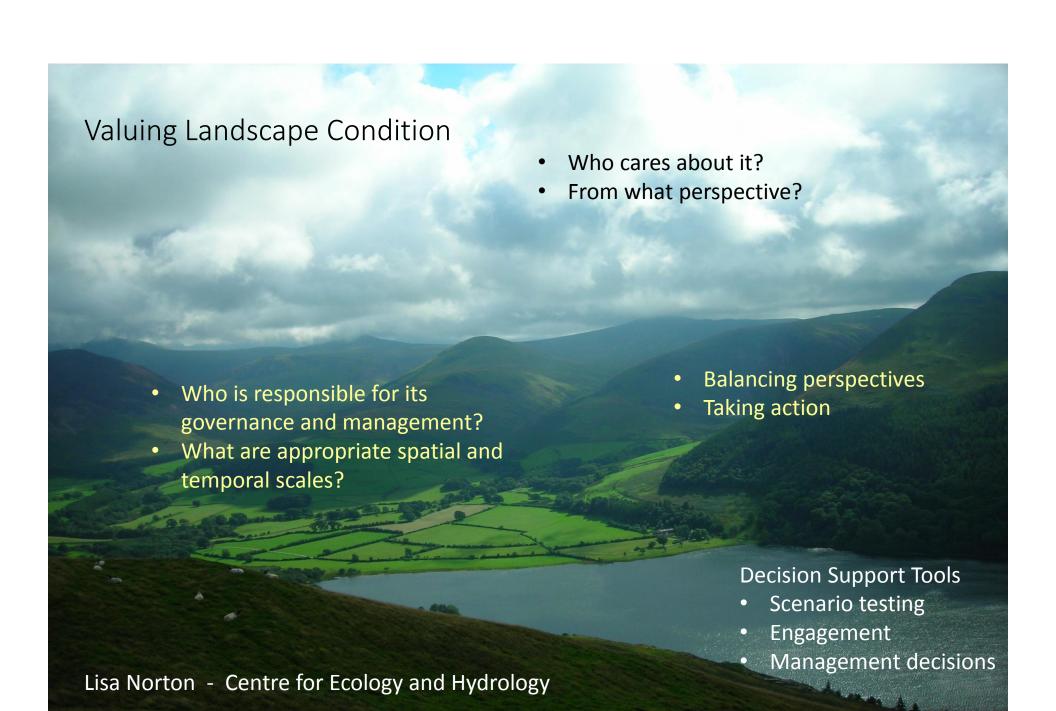
Framework to target nature based solutions aimed at engaging people with nature

Liz O'Brien, Forest Research

Demonstrating the multiple benefits of wetlands for nature and society Hannah Robson, Wildfowl & Wetlands Trust

Manchester's Great Outdoors: a Green & Blue Infrastructure Strategy David Barlow, Manchester City Council

Wellbeing valuation and the University of Manchester Living Campus Kelly Watson, University of Manchester





SENCE – Spatial Evidence for Natural Evaluation

Dr. Katie Medcalf CEnv

@envsystems



Spatial Evidence for Natural Capital Evaluation





Framework to target nature based solutions aimed at engaging people with nature

Liz O'Brien

Forest Research – Social and Economic Research Group,
United Kingdom

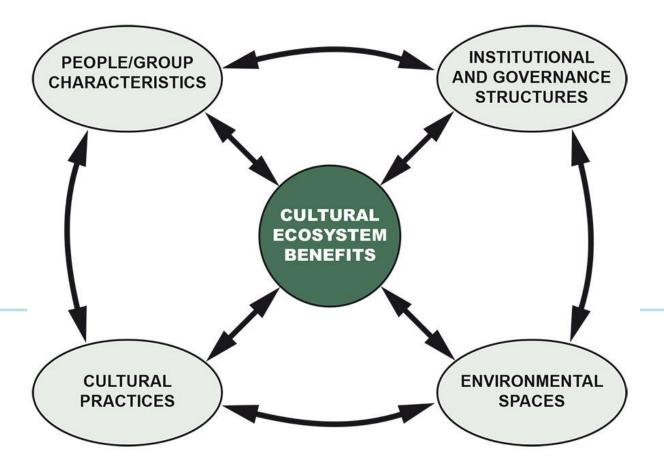
Valuing Nature Network Conference, October 2016





Conceptual framework for interventions aimed at engaging people with nature

•The figure presents a non-linear framework detailing key factors that enable, mediate, or restrict the realisation of cultural benefits from woodlands. This can be applied to research case studies to describe how various factors combine in the 'co-production' of cultural benefits.



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Pakistani Women's Group

The people: Ethnic minority group, low income, aged 16-44, 10 women, 2 children. Lack of cultural norm to visit woods, confidence issues

The space: National Forest site in England, 154 ha of woodland. Facilities – trails, children's play area, cycle hire, café, toilets

Governance: Facilitated access, mini-bus transport to site, guided walk, focus group to understand needs and barriers

Practices: Walking, viewing, accessing children's play area

Benefits: Familiarisation with site, fun and enjoyment, gaining confidence, socialising, fresh air

Interviewer- would you get a bus (to site)?
'I think if I had somebody else with me for support'. (Young Pakistani woman)
'I think lacking in confidence is a big thing, people who have come from abroad or Asian ladies haven't got the confidence. It is hard for them to go places if they don't know anybody'. (Translator)



Conclusions

- Multi-layered and strong governance models are a dominant feature of co-production of benefits for underrepresented groups
- Facilitated access (including transport to a site and led activity on site) can be critical in enabling groups to access an environmental space and start to become more familiar with it – important for future use
- Importance of partnerships environment sector working with other sectors (health, social care, education) to understand audiences and work together to create opportunities
- All the key categories (environmental space, governance, people characteristics, practices) combine in different ways to produce the necessary conditions for co-production of benefits

GREEN EXERCISE

LINKING NATURE, HEALTH
AND WELL-BEING

Edited by Jo Barton, Rachel Bragg, Carly Wood and Jules Pretty

earthscal from Routledg

Please visit our website to find out more

about our work

www.forestresearch.gov.uk/peopleandtrees



and the color of

Trees, people and the built environment

Proceedings of the Urban Trees Research Conference 13–14 April 2011

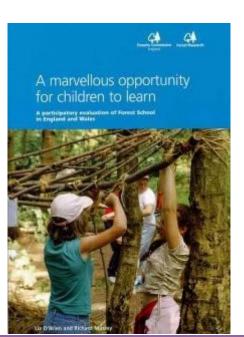




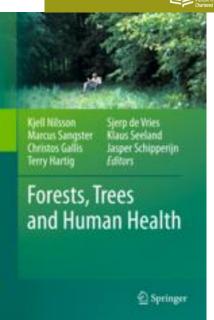
We have stopped moving Tackling physical inactivity - a role for the Public Forest Estate in England?

Forest as very highly valued by the public in England, as the consultation in 2011 that proposed silling of the Public Forest Endle FPSI legitified. The widespread outry to be consultation handle between the people value forests and access to them for many diverse reasons (O'Brien and Morris, 2013). Thousands commensed on the importance of having a FPI and how the management of this resource by Forest Enterprise England (FPI) afforded everyone with verelicining its and good facilities the provide opportunities for all ages. This briefling note highlight the importance of the PFI in England and the contribution it can make to tacking the nacional crisis of physical inactivity. These lod of its procletion is encourage and an animal priority that needs to be addressed in part. by providing many attractive locations and spaces that are suitable for, and on help in, encouraging physical activity. Tractive is forout physical incomments of the complexity and the providence of the providence of

The evidence coalfined in this brinking note draws on research in forest but also generates and green infrastructure in which were are drawn in important or lay composer. We conclude that the FEF in figliand is extremely versalist and has the potential to contribute to cost efficience solutions for the health sector targeted at preventing III health and also in recovery and treatment programmes. It is uniquely placed to replicate and provide opportunities for indicated-case growth of successful instates.







Peter Scott / Nenes



Flight of the swans



Great Crane Project





The multiple benefits of wetlands

- √ Flood attenuation
- ✓ Water quality
- √ Livelihoods
- √ Habitat
- √ 'Sense of place'

Conserving wetlands



Innovative solutions



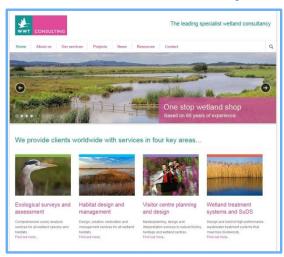


WWT working wetlands

WWT centres



WWT consultancy



Nature based solutions



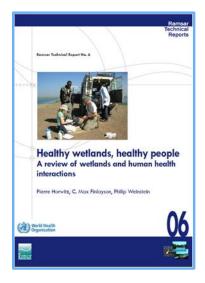


WWT wetland research

Wetland monitoring



Health and wellbeing



Qualitative research





WWT current projects

Transforming lives and landscapes: community action for the Salt Hill Stream in Slough











Wellbeing valuation and the University of Manchester Living Campus

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Campus Masterplan

- £1 billion 10 year plan 2012-2022
- World-class single campus for students and staff





Living Campus plan

A living campus...

- which is distinctive, with a strong sense of place
- to learn, work, enjoy, reflect and live in
- where we work alongside nature and nature works alongside us









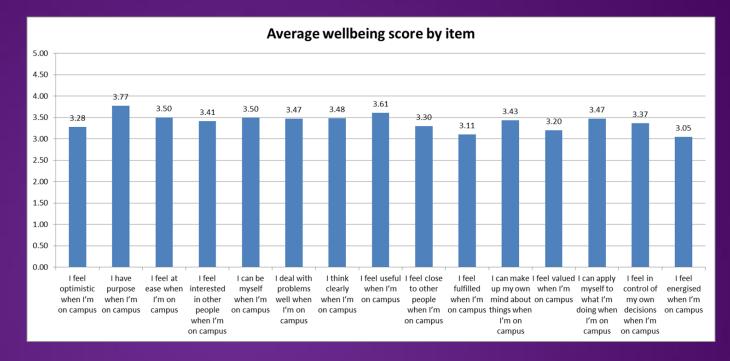
Outcome measures

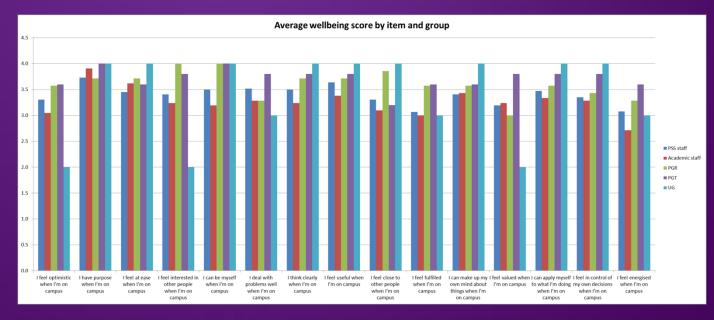
- Wellbeing impacts on staff and student groups
- Newly developed scale
- Items based on 5 psychological components
- Baseline data collected summer 2016

STATEMENTS	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
I feel optimistic when I'm on campus	1	2	3	4	5
I have purpose when I'm on campus	1	2	3	4	5
I feel at ease when I'm on campus	1	2	3	4	5
I feel interested in other people when I'm on campus	1	2	3	4	5
I can be myself when I'm on campus	1	2	3	4	5
I deal with problems well when I'm on campus	1	2	3	4	5
I think clearly when I'm on campus	1	2	3	4	5
I feel useful when I'm on campus	1	2	3	4	5
I feel close to other people when I'm on campus	1	2	3	4	5
I feel fulfilled when I'm on campus	1	2	3	4	5
I can make up my own mind about things when I'm on campus	1	2	3	4	5
I feel valued when I'm on campus	1	2	3	4	5
I can apply myself to what I'm doing when I'm on campus	1	2	3	4	5
I feel in control of my own decisions when I'm on campus	1	2	3	4	5
I feel energised when I'm on campus	1	2	3	4	5

MANCHESTER 1824

The University of Manchester

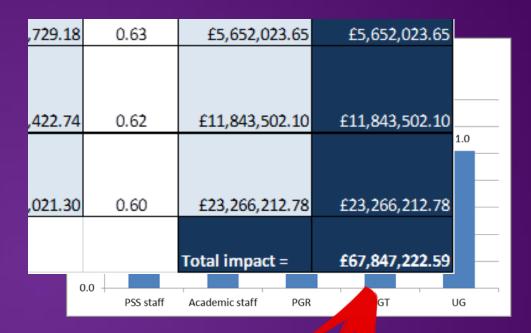






Wellbeing valuation

 Using Social Return on Investment (SROI)



Group	Total population at UoM	Average hours spent on campus per week	Working weeks per year	Financial proxy description	Proxy	Annual value produced	Wellbeing score (out of 75)	Wellbeing score (as a %)	Deadweight proportion	Annual value produced minus deadweight		Annual value produced minus deadweight and attribution	Impact per year
PSS staff	4855	35. 19	48	Value of relief from depression or anxiety is	£7,089.29	£34,418,506.01	50.81	0.68	0.32	£23,317,172.0	0.58	£13,547,276.94	£13,547,276.94
Academic staff	6490	35.03	48	£36,766 p.a. (Source: Measuring the Social Impact of Community	£7,056.05	£45,793,765.39	47.79	0.64	0.36	£29,177,170.5	0.46	£13,538,207.12	£13,538,207.12
PGR	3555	17.43		Investment: A Guide to Using the Wellbeing Valuation Approach,	£3,510.60	£12,480,179.42	54.00	0.72	0.28	£8,98 ,729.1	0.63	£5,652,023.65	£5,652,023.65
PGT	8310	17.12	31	2014, HACT), or £4.20 p.h., adjusted for	£3,089.69	£25,675,299.39	55.80	0.74	0.26	£19,10 ,422.74	0.62	£11,843,502.10	£11,843,502.10
UG	26725	16.40	31	of hours spent on campus per year	£2,133.77	£57,025,031.32	51.00	0.68	0.32	£38,77 ,021.30	0.60	£23,266,212.78	
												Total impact =	£67,847,222.59



Wellbeing valuation at UoM

- Long term monitoring of LC plan
- Staff and student wellbeing scores
- ROI data to understand the value of green infrastructure on campus

