

Future Landscape Ecology

ialeUK 2010 conference
13th - 16th September 2010, Brighton
Conference Registration

Conference:
13th – 16th September 2010
University of Brighton

Field excursions:
16th September
Cuckmere Haven & Friston Forest
- Naturalistic management
Knepp Estate
- Re-Wilding Project



Conference Themes

14th September: Species responses to landscapes; Assessing vulnerability and resilience; Future scenarios.

15th September: Problem solving; Workshop sessions; Landscape-scale adaptation and management.

Early Bird Deadline: 31st July 2010

Final Registration Deadline: 31st Aug 2010

All completed membership and registration forms must be returned (with payment) by the specified deadline to:

Mrs Louise Mandry, PABS, University of Brighton, Cockcroft Building,
Lewes Rd, Brighton BN2 4GJ
Tel: 01273 642091
E-mail: s.l.mandry@brighton.ac.uk

Conference Workshops

Challenges to Sussex
Landscapes
(Phil Belden)

GIS Innovations
(Dr. Niall Burnside)

Integrating National Policy
(Defra)



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Welcome

The International Association for Landscape Ecology warmly invites you to our 17th Annual Meeting.

Landscape ecology is the study of interactions, across space and time, between the structure and function of physical, biological and cultural components of landscapes; marine, freshwater, and on land.

We aim to bring together scientists from the many fields in landscape ecology with policy makers, planners and practitioners interested in developing future landscapes that function for both biodiversity and people.

Now more than ever, there is a need to consider future landscapes and future demands on landscape ecology. Biodiversity is critical both for its intrinsic value and the key role it plays in providing ecosystem services upon which we all ultimately depend. Yet competing economic uses of land, water resources and the marine environment are leading to continued loss of biodiversity and degradation of natural systems. How can landscape ecology help us to address these future challenges?

Comprehensive proceedings, published in book format, will be given to all delegates on arrival. There will be two days of presentations on science, policy and practice, networking events and workshops, followed by field trips to landscape-scale projects.

With the recent designation of the South Downs National Park, Brighton and Hove makes an ideal and timely location for this conference. We are very grateful to Dr Dawn Scott and the Biogeography and Ecology Research Group at Brighton University for hosting this exciting conference and hope you will be able to join us.

Richard Smithers, Chair, ialeUK

Conference Themes

14th September: Species responses to landscapes; Assessing vulnerability and resilience; Future scenarios.

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Additional poster presentation space will be provided on a first come, first served basis. Please ensure your posters are in an A0 landscape format.

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Keynote Speakers

Derek Yalden

Derek started his academic career studying Zoology at the University of London, progressing on to Royal Holloway College for his Ph.D. For 40 years he has been based within the Zoology Department at the University of Manchester. He has been long standing member of the Mammal Society, Fauna Preservation Society and British Herpetological Society and is currently President of the Mammal Society. He was heavily involved in the very first mammal atlas. Following an expedition to Ethiopia in 1968 he developed a passionate interest in their mammals. In the 1980's he developed an interest in the recent history of the mammals and birds in the British Isles which culminated in writing "The History of British Mammals" (1999) and "The History of British Birds" (2008).

Peter Brotherton

As Head of Biodiversity for Natural England, Pete's remit spans evidence, policy and strategy development. He currently leads the secretariat of the 'Making Space for Nature' review of England's wildlife sites and ecological network. He is also heavily involved in establishing a new framework for biodiversity delivery in England, aiming to embed an ecosystem approach and promote working at a landscape-scale. A member of the England Biodiversity Group, and former chair the UK BAP Targets Review group, Pete's previous roles include Natural England's Species Recovery Manager and Head of English Nature's Biodiversity Unit. Before joining English Nature in 1999, Pete was an academic at Cambridge University where his research included the evolution of monogamy in dik-dik and cooperative behaviour in meerkats.

Paul Wilkinson

Paul is Head of Living Landscape for The Wildlife Trusts and has responsibility for leading and supporting the achievement of the vision across the UK. He previously worked as the Director of Regional Policy for The Wildlife Trusts in the East of England, during which time he was a member of the East of England Regional Assembly and chaired the region's Biodiversity Forum for 6 years. Paul is a Member of the Institute of Ecology and Environmental Management, has also been the Norfolk Biodiversity Coordinator and worked as the Development Manager for an environmental education charity in Norfolk.

Peter Freer-Smith

Peter is the Forestry Commission's Chief Scientist and a visiting Professor at Southampton University. He is a co-author of the Read report: 'Combating Climate Change - a role for UK forests', which examines the potential of the UK's trees and woodlands to mitigate and adapt to changing climate, forming part of the UK response to the IPCC 4th Assessment Report. Peter's PhD was on the Impacts of Air Pollutants on Trees; he went on to two post-doctoral research projects at Lancaster before moving to a lecturer's post at the University of Ulster. He joined the Forestry Commission in 1987 and was appointed Forestry Commission Chief Scientist in 2009.

Kalev Sepp

Kalev is a Professor of Landscape Management and Nature Conservation at the Estonian University of Life Sciences (EMU). He lectures on nature conservation, landscape ecology and management. He is a head of studies on environmental science at the Estonian University of Life Sciences, head of the Scientific Council of the Institute of Agricultural and Environmental Sciences. He is a Vice-President of the International Union for Nature Conservation (IUCN), an elected Councillor of IUCN (2004-2012). He is a member of the EU FP7 Programme Committee for Environment (including climate change). His research covers evaluating the human impact to agricultural landscapes, methodological approaches for landscape and biodiversity monitoring, applying the concept of ecological networks in spatial planning and using a concept landscape functions in environmental management and the relationship between landscape structure and species composition.

Richard Smithers

Richard was elected chair of the International Association for Landscape Ecology (UK) last year. He is senior conservation adviser for the Woodland Trust and has been involved in developing landscape-scale thinking nationally for more than ten years. Working at the science-policy interface, he has particularly contributed to major projects assessing climate change impacts and developing adaptation strategies. This has included: co-founding the UK Phenology Network, as a web-based project; chairing the MONARCH project's science sub-group; helping steer development and application of Forest Research's BEETLE model; and leading development of the England Biodiversity Strategy Climate Change Adaptation Principles.

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Mark Brookes/SDJC

Conference Workshops

Challenges to Sussex Landscapes

(Phil Belden)

GIS Innovations

(Dr. Niall Burnside)

Integrating National Policy

(Defra)

Field Trip

Knepp Estate

Knepp is a 3500 acre estate in West Sussex. Until recently the land was devoted to traditional arable and dairy farming. However, in 2001 focus was shifted to a pioneering 're-wilding' management approach. This includes a series of regeneration and restoration projects aimed at ecosystem services, nature conservation and less intensive meat production. The field trip includes a tour of the estates projects including the restoration of over 2.2km of river, naturalistic grazing, and the adoption of community and educational programmes. There will be opportunities to discuss the processes and issues surrounding the application of this type of approach to this and other landscapes.

Friston Forest & Cuckmere Haven

Friston Forest is found on the Eastern tip of the South Downs National Park, East Sussex. The site comprises a 60 year old plantation where traditional cattle breeds have been introduced to recreate pasture woodland. The Cuckmere Valley has one of the least developed estuaries in the South East, and is one of the most iconic local landscapes. The dominant chalk cliffs are constantly eroding and existing rare habitats are threatened by sea incursion. The site is being considered or managed coastal and river re-alignment in order to 're-naturalise' the existing landscape. There will opportunities to discuss future landscape options and their appropriate application in the short and long term at both these sites.

Conference Venue and Location

The conference venue is run by the University of Brighton situated on the Moulsecoomb campus, the scientific heart of the University. The Huxely Building will be the venue for registration, drinks reception, talks, posters and workshop sessions. Moulsecoomb Place is within a very short walk of the venue being directly opposite the building. Both venue and accommodation are easy to access from central Brighton either by a 6 minute train journey or via the very frequent bus services into the city centre. Bus stops are a few minutes' walk from the venue. Brighton is famous for its historic Pavilion, North Laines shopping areas, beach and pier. The conference meal will be held at a venue in central Brighton. The accommodation is halls of residence which is arranged in flats of 6 single occupancy bedrooms with shared facilities of kitchen/communal area, bathroom, shower room and 2 toilets. Breakfasts will be served in the Cockcroft Building Mezzanine Cafe just a few minutes' walk from both the venue and the accommodation. Should delegates require different or en-suite alternatives there is a wide variety of accommodation within central Brighton.

Information on Brighton, alternative accommodation and maps to the venue are available via the [ialeUK](http://ialeUK.org.uk) website.



Key Contacts

Conference Registration: Mrs Louise Mandry, PABS,
University of Brighton, Cockcroft Building,
Lewes Rd, Brighton BN2 4GJ
Tel: 01273 642091
E-mail: s.l.mandry@brighton.ac.uk

General Enquiries: conference2010@iale.org.uk

ialeUK gratefully acknowledge the financial support of sponsors and the staff time that supporting organisations have contributed

For further information about the International Association for Landscape Ecology please visit www.iale.org.uk

Future Landscape Ecology

Booking Form

All completed registration forms must be returned to Louise Mandry no later than Tuesday 31st August 2010

Mrs Louise Mandry, PABS, University of Brighton, Cockcroft Building, Lewes Rd, Brighton BN2 4GJ
Tel: 01273 642091 E-mail: s.l.mandry@brighton.ac.uk

The conference begins in the evening of Monday 13th September with presentations running until the evening of Wednesday 15th September and field trips on Thursday 16th September

Conference:

13th – 16th September 2010
University of Brighton

Field excursions:

16th September
Cuckmere Haven & Friston Forest
- Naturalistic management
Knepp Estate
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PERSONAL DETAILS

Title: Full name:

Organisation: Role:

Email: Telephone:

Address:
.....
..... Postcode:

Please state any special requirements (i.e. dietary or other):

Office use

If you do not wish to have your details on the delegate list tick here:

CONFERENCE BOOKING 2010 (Please tick appropriate box and enter total cost)	Mon 13th	Tues 14th	Weds 15th	Thurs 16th	TOTAL (£)
Early Bird Conference Fee (booked before July 31st)					
• Whole conference (members £135, non-members £185)					
• Single day (members £90, non-members £115)					
Conference Fee Booked after July 31st:					
• Whole conference (members £165, non-members £215)					
• Single day (members £110, non-members £135)					
Optional Extras: - please indicate by ticking					
• Conference Meal (Tues evening) - £30 not including drinks	Yes				
	No				
• Field Trip (choose either Option) - £25 including lunch	Knepp Estate				
	Friston Forest & Cuckmere Haven				
• Bed & Breakfast (non en-suite) - £35 per night, min 2 nights)	Mon 13th	Tues 14th	Wed 15th	Thurs 16th	
TOTAL (£)					

Conference fee includes registration, delegate packs, conference proceedings, Monday evening wine reception, Tuesday & Wednesday teas/coffees and lunches, but excludes evening meals.

We will award a 30% discount off the registration fee for the first 10 students to apply with an officially stamped letter confirming they are a student.



FUTURE LANDSCAPE ECOLOGY

University of Brighton
13th – 16th September 2010

Monday 13th September

Time	Session
17.00 – 18.30	Registration
18.30 – 19.30	Drinks reception: ‘A Taste of Sussex’

Tuesday 14th September

Time	Session
08.30 – 09.00	Registration and coffee
	Species responses to landscapes
09.00 – 09.40	Keynote speaker: Prof. Derek Yalden, President of The Mammal Society Vertebrates in the landscape: past, present and future
09.40 -10.05	Tom Oliver (NERC Centre of Ecology & Hydrology) <i>et al.</i> : Landscape heterogeneity and population stability- implications for conservation policy
10.05 – 10.30	Dave Murray-Rust (University of Edinburgh) : Aporia: an integrated model of humans, animals and landscape
10.30 – 10.55	Steve Waite (Hartpury College) <i>et al.</i> : Habitat diversity determines ghyll woodland species diversity: adding complexity to the species area relationship, a new predictive model?
10.55- 11.20	Refreshments
	Assessing vulnerability and resilience
11.20 – 12.00	Keynote speaker: Peter Brotherton, Head of Biodiversity, Natural England Making space for nature – a review of England’s wildlife sites and ecological network
12.00 – 12.25	Claire Brown (UNEP World Conservation Monitoring Centre) : Early

	Findings of the UK National Ecosystem Assessment
12.25-12.50	Sarah Taylor (Natural England): Regional biodiversity climate change vulnerability assessment
12.50 – 13.15	Chris Pope (Isle of Wight Biodiversity Partnership): The Isle of Wight: landscape scale ecology on a small island.
13.15 – 14.00	Lunch
Future scenarios	
14.00 -14.40	Keynote speaker: Prof. Peter Freer-Smith, Research Director, Forest Research How will forestry's contribution to the low carbon economy change the UK landscape?
14.40 – 15.05	Silvia Haslam (University of Cambridge): The depressing future of British rivers
15.05 – 15.30	David Bourke (NUI, Galway), et al.: Projecting the impact of climate change on the spatial distribution of Ireland's vulnerable species and habitats.
15.30 – 15.55	Andy Cundy (University of Brighton) et al.: Coastal wetland accretion and response to sea-level rise: reading the recent sedimentary record
15.55 -16.20	Refreshments
16.20 -16.45	Ian MacKenzie (University of Edinburgh) et al.: Bioenergy to biodiversity: downscaling scenarios of European land use change
16.45 – 17.10	Mark Metzger (University of Edinburgh) et al. : Scenario tools and landscape ecology
17.10 – 18.00	ialeUK Annual General Meeting
19.00	Conference dinner

Wednesday 15th September

Time	Session
08.30 -09.00	Registration and coffee
Problem solving	
09.00 – 09.40	Keynote speaker: Prof. Kalev Sepp, Head of Landscape Ecology Laboratory, Estonian Agricultural University

	Defining High Nature Value farmland - Estonian experiences
09.40 -10.05	Margaret Carlisle (University of Aberdeen) et al.: INSPIRE and Nature-SDIplus: further progress towards a Spatial Data Infrastructure for nature conservation in the EU
10.05 – 10.30	Emilio Padoa-Schippa (University of Milano-Bicocca) et al.: Where is the boundary? Defining the urban region of Milano
10.30 – 10.55	Refreshments
10.55 – 11.20	Monique Gulickx (University of Wageningen) et al.: Analysing and mapping landscape functions: a new challenge in land change research
11.20 – 11.45	Sana Arshad (Islamia University of Bahawalpur): Development of a landscape ecology approach to integrate science and policy for future management of wetland ecosystems in Pakistan
11.45 – 12.45	Workshop sessions
Huxley 401	GIS Innovations (Niall Burnside, University of Brighton)
Huxley 406	Integrating National Policy (Defra)
Huxley 407	Challenges to Sussex Landscapes (Phil Belden, South Downs Joint Committee)
12.45 – 14.00	Lunch & Poster Session
	Landscape-scale adaptation and management
14.00 – 14.40	Keynote speaker: Paul Wilkinson, Head of Living Landscapes, Wildlife Trusts A Living Landscape: a vision for UK wildlife in a changing climate
14.40 – 15.05	Iain Mann (English National Park Authorities Association): Landscape scale climate change adaptation in England's National Parks
15.05 – 15.30	Nick Macgregor (Natural England): Assessing the vulnerability of England's landscapes to climate change
15.30 – 15.55	Chris Bolton (Natural England): Landscape as an integrating framework
15.55-16.20	Refreshments
	Thoughts for the future

16.20-17.00	Keynote speaker: Richard Smithers, Chair of ialeUK How might future landscape ecology help avert common tragedy?
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Thursday 16th September

09.00-16.00	Field trips
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