

## Editorial

The inaugural meeting of IALE(UK), 'Landscape ecology in Britain', took place at Nottingham University in September 1992. It is notable that IALE(UK) meetings have always been well attended by delegates from outside Britain. Hence, rather than press for a '10-years-on-type' meeting of IALE(UK) in 2002, we opted for our second thematic conference. After the success of the hedgerow conference last year, the focus this year was on birds - a taxon that has always been popular in landscape ecology. See inside for Geoff Griffiths' report on this year's successful meeting.

How has the status of landscape ecology changed in the intervening ten years? Firstly, the term 'landscape ecology' has become more widely used. It is not necessary now to search the specialist journals for papers in landscape ecology - mainstream journals are peppered with them.

Landscape ecology is changing too; the technology has moved on apace. Early studies often suffered from a lack of empirical data and the biological aspects of landscape change were still largely influenced by island biogeography. We are now beginning to get to grips with the ways in which landscapes differ from mainland-island analogues and, in particular, to recognise the importance of the landscape context. In effect, the landscape is supplanting the ecosystem as the object of study. The ecosystem concept was useful but it was always rather abstract. Ecologists had to find pristine (or near pristine) and large ecosystems in which to study energy flow and nutrient cycling. Landscape ecology recognises that ecosystems are heterogeneous and that the flows between patches may often be as important as those within patches.

So all-in-all, a successful 10 years. To help IALE(UK) promote the discipline for the next 10 years (OK, the next year at least) have you (re-)joined? It's worth it even if it's just for the discount on the annual conference. Have a successful 2003!!

Duncan McCollin  
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## News Items

### IALE (UK) Annual Conference 2002

#### Avian Landscape Ecology, University of East Anglia

This was a highly successful conference organized by Dan Chamberlain and staff from the BTO on behalf of IALE (UK) at the University of East Anglia. This is the first time that IALE (UK) has held a conference on a single taxonomic group...birds. Despite early worries that this might deter 'traditional' (whatever they are!) landscape ecologists we had both the old timers and lots of new faces who, despite their 'birdy' credentials, thankfully arrived without barbour jackets, Wellingtons and large telescopes! In total there were over 100 delegates from many countries.

There were 5 themes:

*Fragmentation and Forest Ecology;*  
*Scale and Distribution;*  
*Methodological Issues;*  
*Conservation (Agricultural Ecology.)*

In all there were over 50 papers presented in 2 ½ days – a packed programme but, with a consistently high level of innovative research and excellent presentation quality, the level of interest was always high. The oral papers were complemented by an equally good selection of posters.

The papers in the first session on *Fragmentation and Forest Ecology* provided convincing evidence that landscape-scale factors, such as reduced forest cover and small patch size, influence bird distribution and abundance. The papers and posters in this session were wide ranging, with results on the problems of measuring habitat quality in English woods (Hinsley *et al*); comparisons between forests in west and east North America (Smallbanks); effects of forest structure on woodpeckers in NE Poland (Angelstam *et al*); population trends in the boreal forests of Finland (Brotons *et al*); studies on bird dispersal in fragmented habitats (Bosschieter and Goedhart); measures of the impact of sensitive species to forest fragmentation in Quebec (Carignan and Drapeau); impact of forest management on the Black Grouse and Nightjar in the UK (Watts *et al*); nest site selection of Siberian Tits in Finland (Siffczyk *et al*); woodland restoration in Sussex (McKenzie) and methods for collecting

information on forest pattern and structure from Airborne Laser Scanning (Hill *et al*).

This range of landscapes, species and temporal and spatial scale of analysis was continued in the second session, *Distribution and Scale*. There were studies ranging from the dispersal of water birds in Australia at broad continental scales (Roshier and Reid) to the small scale analysis of grain size for bird communities in complex landscapes in Italy (Florenzano and Lapini). However, many studies were concerned with developing models at multiple spatial scales and understanding interaction between these scales; at European level (Fuller); in relation to the behaviour of different species (Sutherland); for predicting the distribution of Golden Plovers (Buchanan and Pearce-Higgins); in a study of avian distribution patterns in NE England (McCollin) and in France (Pontevigne *et al*). There were also interesting posters on the historical impact of land use change in Scotland and Norway (Summers and Strann and in Romania (Purschke and Angelstam).

The session on *Methodological Issues and Innovative Applications* included results on remote sensing to identify bird habitats in France (Deconchat *et al* and Laurent *et al*); on Bayesian techniques for predicting habitat occurrence in the UK (Baylis *et al*); and on random draw models for predicting avian species richness (Dolman and Blackburn). The range of techniques now available for the collection of habitat data, for bird survey and for predicting descriptors of bird community structure, is impressive; these techniques are now better known by ornithologists in landscape ecology and being applied to conservation problems, the subject of the next session on conservation.

Unsurprisingly in a world dominated by concerns about the long-term survival of species, this was one of the longest sessions. The paper on abundance and occupancy in conservation biology (Gaston) set the scene for following papers on using birds as indicators of ecological integrity in Canada (Carignan and Villard); on the conservation of individual species including the Harlequin Duck in Iceland (Gardarsson) and the Northern Bald Ibis in Morocco (Rice *et al*). A number of papers stressed the close links between human use and management of the land and birds, as in the paper by Stoate on birds in the Sahel and the paper by Lepczyk *et al* on landowner perceptions in rural-urban landscapes. Finally there were a number of interesting papers and posters on ecological restoration based on corridors in Italy (Pungetti and van der Sluis) and Cheshire, England (Jones *et al*).

The final session on *Agriculture* was more policy linked with important contributions on the development of agri-environment schemes (Atkinson and

Robinson) and in relation to management issues relating to pesticide use (Ewald *et al*); availability of winter stubbles (Robinson *et al*); abundance of seeds/fruit and hedgerows (Jackson *et al*); design of arable landscapes (Stoate and Murray) and availability of linear habitats as source for juvenile birds (Moreby).

It was a pity to have missed the excursion (as a closet birdwatcher myself), but it was a great success. Altogether an excellent conference for which Dan and his team should be congratulated and warmly thanked.

GH Griffiths  
Secretary, IALE (UK)

## Postgraduate Section

One of the aims of IALE (UK) is to provide a forum in which researchers and practitioners in landscape ecology can discuss ideas and make contact with people who have similar interests. The aim of a post-graduate section to IALE (UK) is to provide an opportunity for us to informally discuss, question, answer and support each other during our work in the multidisciplinary aspects of landscape ecology. Please also see items in this newsletter about the IALE Summer School in Darwin, Australia and the Student Conference Travel Award.

### Please contact

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Bella Davies, Oxford Brookes (brdavies@brookes.ac.uk)

Georgianne Griffiths, University of Plymouth ([gjgriffiths@plymouth.ac.uk](mailto:gjgriffiths@plymouth.ac.uk))

## Book Review

Book reviews are invited—not only for new books. Are there books you read which you would like to recommend to others? This is the place for you.

Reviews of the following books will appear shortly:

Farina, A. (2000) *Landscape Ecology in Action*. Kluwer. ISBN 0-7923-6166-0 (pb)

Turner, MG, Gardner, RH & O'Neill RV (2001) *Landscape Ecology in Theory and Practice*. Springer. ISBN 0-387-95123-7 (pb)

## Student Conference Travel Award

The IALE(UK) awards a number of travel grants to students studying landscape ecology at a UK university. The award is open to all students with an interest in landscape ecology who are attending a taught course at Masters level or who are undertaking a degree by research. In general, awards are designed to assist postgraduate students to attend the annual conference of IALE(UK) and for research postgraduates to attend other meetings, including the European and International Meetings of the IALE.

This year IALE(UK) are proposing to fund students (maximum £350) who are hoping to attend the International IALE Congress in Darwin 2003. Students should apply by 14<sup>th</sup> March with a short proposal (abstract, affiliation and provisional costs) to:

Dr G.H. Griffiths  
The Secretary of IALE(UK)  
School of Human and Environmental Sciences  
Department of Geography  
The University of Reading, Whiteknights  
PO Box 227 Reading RG6 6AB  
*email: [g.h.griffiths@reading.ac.uk](mailto:g.h.griffiths@reading.ac.uk)*

## IALE (UK) – Annual General Meeting, 12<sup>th</sup> September 2002

Present: Committee 19 Members

1. **Minutes** of the last AGM were read and approved. There were no matters arising.

### 2. **Chair's Report**

The Chair reported that IALE in Europe was thriving, with new organizations in France, Iberia and Sweden. Two initiatives were of significance for IALE; the establishment of IALE Europe at Alterra, Wageningen, in the Netherlands and the emergence of IALE Europe. Landscape Europe is essentially consultancy but with a remit to promote landscape ecology research at European level. IALE (UK) is currently taking a leading role in stimulating European level including meetings: Landscape ecology of the Atlantic Mountains and the ECOLAND Forum: landscape monitoring at European level

### 3. **Treasurer's Report**

The Treasurer gave a detailed breakdown of income and expenditure for the year (enclosed). The Treasurer stressed the importance of book sales and hoped that this year's annual conference, with good participant numbers, would improve the balance. There was a proposal to increase the annual subscription from £15 to £20, unchanged for many years, and this was carried with one abstention and one against. David Howard pointed out that the accounts do not show book assets, an important part of the financial business of IALE (UK).

### 4. **Secretary's Report**

The secretary had had no response for his request for nominations for elected positions. The composition of the Executive therefore remains unchanged, with the addition of new ordinary members:

Bob Bunce:	Chair
John Dover:	Treasurer
Geoff Griffiths:	Secretary
Jon Marshall:	Membership Secretary
Duncan McCollin:	Newsletter Editor
David Howard:	Publicity
Lex Comber	
(with Jonathan Porter and Philip James)	Web Team
Janet Jackson:	Ordinary member

Gloria Pungetti:	Ordinary (European Officer)
Shelley Hinsley:	Ordinary member
Paul Bellamy:	Ordinary Member
Sarah McKenzie:	Student Co-ordinator
Bella Davies:	Student Rep
Georgianne Griffiths:	Student Rep
Richard Smithers:	Conference Organiser (2003)

## **5. Annual Conference**

The Chair congratulated Don Chamberlain and BTO staff on the organization of an excellent conference. There was discussion about moving the Annual Conference to pre-Christmas now that the BES have moved their annual meeting to September where it potentially conflicts with IALE. The Secretary opposed this with a concern about number of delegates in this busy pre-Christmas period. It was agreed to go ahead for a trial year.

## **6. Future Meetings**

The programme of future meetings was discussed.

## **7. AOB**

There was no AOB. The date of the next AGM will be during the Annual Conference.

## Accounts for IALE AGM 2002

Summary	2000	2001	2002
Balance at end of previous year (31st August)	8599.10	5396.26	7793.57
Income	4766.54	12074.20	3722.87
Total available funds	13365.64	17470.46	11516.44
Expenditure	7969.38	9676.89	7955.61
<b>Balance</b>	<b>5396.26</b>	<b>7793.57</b>	<b>3560.83</b>
<b>Income</b>			
Subs	990.00 <sup>[1]</sup>	926.00	1050.00
Book Sales	2589.50	1461.50 <sup>[2]</sup>	1870.00
Postage (International orders)	27.00	60.81	63.15
Interest	118.00	101.10	142.58
Publishers Licencing	1022.00	0	0
1999 Conference		2841.80	0
2000 Conference		6620.27 <sup>[3]</sup>	612.86
2001 Conference			0
Misc.		40.00	7.00
Credit		22.72	-22.72
<b>Total</b>	<b>4746.50</b>	<b>12074.20</b>	<b>3722.87</b>
<b>Expenditure</b>			
International subs	<i>paid 2001</i>	923.35	902.05
Travel Awards	1394.00	0	270.00
Book Production	3333.00	2225.37	4245.00
Web Domain	102.00	0	105.71
Deposit for 2000, 2001, 2002 Meeting	750.00	634.50 <sup>[8]</sup>	1609.00
Conference Accomodation	0	5184.38	0
Foot & Mouth Meeting		114.36	274.97
PanEuropean Meeting	711.21	22.00	0
Committee Expenses	967.00	308.08	272.74
Committee Travel expenses		65.76	0
WLO Book Purchase	90.01	0	0
Admin Assistant Pay	150.00	183.00 <sup>[4]</sup>	179.05
Room Hire	142.00	0	0
Advert BES Newsletter	294.00	0	0
Tax on interest	23.54	16.09	28.52
Untraced	12.62 <sup>[5]</sup>	0	0
Printed Stationery			57.57
Bank Charges			7.00
Refunds			4.00
<b>Total</b>	<b>7969.38</b>	<b>9676.89</b>	<b>7955.61</b>

## Estimated Committed Funds for 2001/2002 year

Proceedings for 2002 Conference	0
Deposit 2003 Conference	0
International Subs 2002	980
Student Grant	0
Outstanding expenses	210
<b>Total committed</b>	<b>1190</b>
Balance at 31/8/02	3560.83
<b>Excess for future projects</b>	<b>2370.83</b>

## Conference Accounts 2001

	£
Income/Expenditure to CEH account	-2500 <sup>[9]</sup>
Proportion of Books paid by conference	-1698
Deposit	-634.5
<b>TOTAL</b>	<b>-4832.5</b>

<sup>[1]</sup> 2000 figure includes some back dues.

<sup>[2]</sup> significantly reduced sales, very poor take-up of 2000 volume

Year	1998	1999	2000	2001	2002
1992	84	52.5	114	88.5	15
1993	0	9*			
1994	147	133	203	140	91
1995	182	1106	1302	140*	
1996	385	210	218	105	77
1997	<b>497</b>	301	252	189	98
1998		<b>990</b>	890	330	370
1999			<b>723</b>	217	217
2000				<b>252</b>	161
2001					<b>841</b>
<b>Totals</b>	<b>1295</b>	<b>2801.5</b>	<b>3702</b>	<b>1461.5</b>	<b>1870</b>

\*Out of Print

<sup>[3]</sup> 2000 Conference - some outstanding monies still owed

<sup>[4]</sup> Includes cost of recovery of funds for 2000 conference

<sup>[5]</sup> lost receipt(s)

<sup>[6]</sup> excludes cost of recovery of funds for 2000 conference

<sup>[7]</sup> proportion of costs not recovered from conference receipts

<sup>[8]</sup> deposit not recovered from conference receipts

<sup>[9]</sup> conference receipts confused and in deficit - CEH written off @ £2,500

John W. Dover  
Treasurer

Date: 8 September 2003

International  
Association for  
Landscape  
Ecology

**Landscape Ecology  
Summer School,  
Darwin, Australia,  
7<sup>th</sup>-12<sup>th</sup> July, 2003**

*'Landscapes and Sustainability'*



*Organised to link with the 2003  
IALE World Congress*

## **The Summer School and its Aims**

The Summer School has been organised to make use of the opportunity provided by the many teachers and researchers from the international landscape ecology community who will be visiting Darwin, for the 6<sup>th</sup> IALE World Congress, in July 2003.

The course has been designed to support the training and development of the next generation of landscape ecologists, and is intended for young researchers at an early stage in their PhD studies.

The aims of the Summer School are:

- ◆ *To explore the global aspects of landscapes and sustainability and to compare and contrast different national perspectives, approaches and issues and in particular which role Landscape Ecology can play in developing strategies for a sustainable future.*
- ◆ *To allow young scientists from around the world to make contact with established scholars to reflect upon current issues in Landscape Ecology in a critical way.*
- ◆ *To enable young scientists to develop and discuss their own thinking in the context of other approaches and perspectives.*

## **The Organisation and the Venue**

The Summer School is organised by the Institute of Landscape Ecology, University of Basel (Dr. Marion Potschin) and the School of Geography, University of Nottingham (Prof. Dr. Roy Haines-Young) and will be hosted by the School of Biological Environmental and Chemical Sciences and the Key Centre for Tropical Wildlife Management at the Northern Territory University (NTU). Students will reside in NTU accommodation.

## **The Summer School Themes**

The teaching at the Summer School has been organised around a number of session themes:

- ◆ *'Rio+10' and the landscape agenda*
- ◆ *Understanding pattern and process in sustainable landscapes*
- ◆ *Cultural landscapes and sustainability*
- ◆ *Participation and transdisciplinary approaches to landscape ecology*
- ◆ *Using GIS and other tools for developing and evaluating scenarios of landscape change*

In addition there will be an opportunity to study and discuss the issues facing the management landscapes in Australia's 'Top End', in the Northern Territories. This will include a one-day field trip with local experts.

## **Graduation and Accreditation**

Students will graduate from the Summer School at a ceremony organised as part of the World Congress, with a certificate of attendance showing the number of hours of postgraduate study represented by the course, so that their work can be accredited by their home institutions.

## **The Lecturers of the Summer School**

The lecturers for the Summer School have been drawn from the international landscape ecology community, and have given their time freely to the event. They have been selected on the basis of their excellence in teaching and research.

The Staff teaching and organising the Summer School include:

- *Professor Richard Aspinall*, Geographic Information and Analysis Centre & Department of Earth Sciences, Montana State University, USA
- *Dr David Bowman*, Key Centre for Tropical Wildlife Management, Darwin, Australia
- *Colin Creighton*, Water Resources, Land & Water, Canberra, Australia
- *Dr Marion Potschin (Joint Course Director)*, who holds teaching and research posts at the University of Basel & the University of Nottingham, England
- *Professor Roy Haines-Young (Joint Course Director)*, Chair of Environmental Management at the University of Nottingham, England
- *Prof. Margaretha Ihse*, Chair in Ecological Geography, Department of Physical Geography, Stockholm University, Sweden
- *Dr Kathrine Freemark* Research Scientist - Environment Canada
- *Professor Gary Fry*, Department of Land Use & Landscape Planning, Agricultural University of Norway

- *Dr Diane Pearson*, School of Biological, Environmental and Chemical Sciences, Faculty of Science, Information Technology and Education, Northern Territory University, Australia
- *Dr Helle Skånes*, Ecological Geography, Department of Physical Geography, Stockholm University, Sweden
- *Dr Peter Whitehead*, Key Centre for Tropical Wildlife Management, Darwin, Australia

## **Applications and Course Fees**

**The fee for the Summer School is A\$900** (about 500 Euros). This does not include the conference fees. The Summer School has been organised on a non-profit basis. The teachers are giving their time freely, and course fees cover the costs of materials & staff subsistence, the field trip, accommodation and meals.

**Prospective students may apply to their own IALE Regional Committees for financial support. Scholarships are available from IALE International for students from developing countries to attend the conference.**

A limited number of places (25) are available at the Summer School. The closing date for applications is 17<sup>th</sup> March 2003.

Further details of the Summer School can be obtained from:

[www.landscape-ecology.info/summerschool.htm](http://www.landscape-ecology.info/summerschool.htm)

or by contacting

Marion Potschin    [Marion.Potschin@unibas.ch](mailto:Marion.Potschin@unibas.ch)



## International Network of Expertise on Landscapes

The **mission** of LANDSCAPE EUROPE is to pro-actively function as an interdisciplinary Landscape Network with European coverage enhancing the interaction between natural and social sciences while focusing on the multi-functionality of landscapes. The Network co-ordinates research, information exchange or management, education and policy support in this field. LANDSCAPE EUROPE builds upon the existing landscape expertise and generates new expertise. It addresses the major driving forces of landscape development in Europe.

The key **added value** of the network is to actively promote the interaction between natural and social sciences while focusing on the multi-functionality of landscapes.

LANDSCAPE EUROPE *Network* specifically **aims** to:

1. enhance scientific research focusing on the landscape level
2. co-ordinate data management
3. support international, regional and national policy
4. education and training

The network seeks to achieve these aims by taking the following **operational approaches**:

- adapting a problem/policy-support orientation
- promoting multi-functionality
- generating stakeholder involvement
- seeking interdisciplinary approach
- aiming at integration between landscape ecology and social science (incl. aesthetics, perception, cultural and historical aspects)
- integrating societal sectors
- linking up with other network initiatives

LANDSCAPE EUROPE has been established to act as a **focal point** for knowledge exchange, strategic planning and project implementation as part of the expert community in the wider field of landscape-oriented disciplines with the goal to provide European-wide co-operation and, if possible, agreement on key issues of scientific and policy concern. By doing so, LANDSCAPE EUROPE seeks to act as a reliable and well-acknowledged expert partner in the field of landscape and countryside research, management and reporting offering its services for national governments and international institutions such as the Council of Europe, the

European Union, the European Environmental Agency (including its topic centres for Nature Protection and Biodiversity and Terrestrial topics), OECD, FAO, UNESCO as well as to NGO's active in the area of nature and landscape protection.

**Partner institutes** of LANDSCAPE EUROPE have a proven record in landscape-related disciplines such as the development of monitoring systems, landscape perception, landscape conservation, mitigation and restoration, cause-effect studies, landscape history and studies on driving forces-pressure-state-response models. The partnership of LANDSCAPE EUROPE is based on three criteria:

1. Substantial commitment to the objectives, mission and goals of LANDSCAPE EUROPE
2. Pro-active participation in providing widely accessible and actively supported clearinghouse functions on European landscapes
3. Willingness to provide concrete (measurable) input for developing LANDSCAPE EUROPE towards a common framework of their professional activities

LANDSCAPE EUROPE is facilitated by a **co-ordinating office** (at Alterra, Wageningen, NL) in charge of the co-ordination and network tasks. LANDSCAPE EUROPE considers close and fruitful working relations with existing international institutes with high profile in the field of landscapes such as the ECNC (European Centre for Nature Conservation, Tilburg, NL) as well as research groups from all over the World as indispensable to complement its expertise and to achieve the impact it is seeking.

#### **LANDSCAPE EUROPE Network structure**

- **Network Members** the institutes subscribing the mission of the Network and paying an annual subscription fee of 2,500 Euros
- **Network Assembly:** the yearly gathering of Network Members, to which under specific conditions also observing and interested partners may participate
- The Network Members in each country appoint a **country representative** to act on behalf of them in the Network General Board
- **Network General Board** consists of the country representatives: they have voting power, appoint the Executive Board and approve the policy developed and implemented by the Executive Board
- **Executive Board:** 5 members + chair, elected by the assembly of country representatives for periods of 2 years, and appointing the chair out of their midst (no restriction on periods); membership of Executive Board is personal, but can be delegated to a colleague
- The **Network Office** is the executive unit, directed by the Executive board
- Network Structure is being formalised in statutes of a **registered foundation** with independent legal status

**Initial Executive Board (to be approved by the first Network Assembly, November 2002)**

- Évora: Teresa Pinto Correia
- UFZ: Rudolf Krönert (treasurer)
- Alterra: Bas Pedroli (general secretary)
- CEH: Les Firbank
- NERI: Jesper Fredshavn
- Charles University Prague: Zdenek Lipsky

**Membership 2002**

*Partner*                      *Institute, contact & selected recent European projects*

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**Coordinator**      **Alterra – Green World Research**  
D. Wascher (D.M.Wascher@Alterra.wag-ur.nl)  
*PASTORAL, GREENVEINS, ENRISK, BIOHAB, ELPEN, ELCAI, PAN*

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PEER – Research agencies

**National Environmental Research Centre, NERI (Denmark)**

J. Fredshavn (jrf@dmu.dk) *NordLaM, BIOHAB, MoBIO*

**Centre of Ecology and Hydrology, CEH, (United Kingdom)**

L. Firbank (LGF@ceh.ac.uk) *BIOFORUM, BIOHAB*

**UFZ Centre of Environmental Research (Germany)**

R. Krönert (kroenert@alok.ufz.de) *URGE*

**Cemagref (France)** D. Terrasson (daniel.terrasson@cemagref.fr)

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Research agencies

**Swiss Institute Forest, Snow & Landscape, WSL (Switzerland)**

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**Instituut voor Natuurbehoud, INB (Belgium)**

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**University of Western Hungary, UWH (9400 Sopron, Hungary)**

É. Konkoly Gyuró (egyuro@efe.hu)

**Univeristy of Tartu - Institute of Geography, UT (Estonia)**

Ü. Mander (mander@math.ut.ee)

**Institute of Ecology & Conserv. Biology, IECB (Austria)**

T. Wrбка (Thomas.Wrbka@univie.ac.at) *ENVIP-Nature*

**Universidad de Alcala – Fund. F. Gonzalez Bernaldez (Spain)**

J. Vicente de Lucio (martamugica@europarc-es.org)

**Swedish University of Agricultural Sciences, SLU (Sweden)**

K. Lisitzin (katri.lisitzin@lpul.slu.se, George.Gobran@eom.slu.se)

**Wageningen Agricultural University (The Netherlands)**

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Associated multilat. treaty

**Ramsar – Convention on Wetlands (The Netherlands, Greece)**

T. Papayannis, (thymiop@hol.gr)

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Associated networks

**European Centre for Nature Conservation, ECNC (NL)**

R.Wolters (wolters@ecnc.nl) *ELISA, ENRISK, ELCAI, BIOFACTS*

**Landscape Tomorrow, LT (Germany)**

K. Helming, ZALF (khelming@zalf.de)

**Land-Use and Land-Cover Change (LUCC) Wageningen AU**

T. Veldkamp (tom.veldkamp@geomn.beng.wau.nl)

*DIVERSITAS, IHDP, IGBP, WCRP, SCOPE*

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[www. alterra-research.nl/landscapeurope](http://www.alterra-research.nl/landscapeurope)

# Recent Contents

## Landscape Ecology

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Carolyn B. Meyer, Sherri L. Miller, C. John Ralph (2002) Multi-scale landscape and seascape patterns associated with marbled murrelet nesting areas on the U.S. west coast. pp. 95-115

C.C. Petit, E.F. Lambin (2002) Impact of data integration technique on historical land-use/land-cover change: Comparing historical maps with remote sensing data in the Belgian Ardennes. pp. 117-132

Peter T. Wolter, Mark A. White (2002) Recent forest cover type transitions and landscape structural changes in northeast Minnesota, USA. pp. 133-155

John A. Ludwig *et al.* (2002) A leakiness index for assessing landscape function using remote sensing pp. 157-171

N.C. Coops, P.C. Catling (2002) Prediction of the spatial distribution and relative abundance of ground-dwelling mammals using remote sensing imagery and simulation models. pp. 173-188

### Volume 17 No 1

Steinhardt U, Volk M (2001) An investigation of water and matter balance on the meso-landscape scale: A hierarchical approach for landscape research. pp. 1-12

Oline DK, Grant MC (2001) Scaling patterns of biomass and soil properties: an empirical analysis. pp. 13-26

Gimona A, Birnie RV (2001) Spatio-temporal modelling of broad scale heterogeneity in soil moisture content: a basis for an ecologically meaningful classification of soil landscapes. pp. 27-41

Lopez RD, Davis CB, Fennessy MS (2001) Ecological relationships between landscape change and plant guilds in depressional wetlands. pp. 43-56

Sondgerath D, Schroder B (2001) Population dynamics and habitat connectivity affecting the spatial spread of populations - a simulation study. pp. 57-70

Litaor MI, Seastedt TR, Walker DA (2001) Spatial analysis of selected soil attributes across an alpine topographic/snow gradient. pp. 71-85

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## Diary

### IALE Meetings

2003 13-17 July	<b>IALE World Congress</b> Darwin, Australia See <a href="http://www.ntu.edu.au/facilities/science/sbes/iale-z/worldcongress.html">http://www.ntu.edu.au/facilities/science/sbes/iale-z/worldcongress.html</a>
1-3 October	IALE(UK) Annual conference 'Landscape Ecology of Habitat Mosaics' Grange-over-Sands, Cumbria. <i>contact:</i> David Howard, CEH, Merlewood
2004 Easter / Whitsun	IALE(UK) Annual Conference 'Landscape Ecology of Woodlands' <i>contact:</i> Richard Smithers, Woodland Trust
2005	Advances in Landscape Ecology <i>contact:</i> John Dover