



Bulletin

International Association for Landscape Ecology

IALE WORLD CONGRESS 2003 IN AUSTRALIA / NEW EXECUTIVE COMMITTEE

The IALE world congress in Australia is history. Many of the participants enjoyed the fruitful discussions with colleagues from all over the world. Thanks to the organizers for a state-of-the-art conference! Prior to the congress a new executive board was elected (procedure see Bulletin Vol. 21, No. 2/3). The return rate of ballot forms was low and the new executive committee has to find a way to increase participation in this vital issue of IALE. Out of a total of 60 ballots 57 were valid. There was only one vacant position with more than one candidate, i.e. Secretary General. Marion Potschin won this position with 44 votes. For the period of 2003 - 2007 the following people will serve on the executive committee:

- *President*: R.G.H. Bunce (2003-07)
- *Past President*: R. Hobbs (1999-03)
- *Vice Presidents*: N. Nakagoshi (2003-07), L.R. Iverson (2003-07), M. Ihse (1997-05), F. Burel (1997-05)
- *Secretary General*: M. Potschin (2003-07)
- *Treasurer*: R.H.G. Jongman (1995-07)
- *Bulletin Editor*: F. Kienast (1999-07)
- *Chairman of Council*: Jesper Brandt (1995-07)

Due to personal reasons the report of the newly elected president of IALE, Bob Bunce, will appear later this year.

REPORTS RELATED TO THE DARWIN CONFERENCE APPEAR IN BULLETIN VOL. 21/NO.5

MEETING REPORT "LANDSCAPE STRUCTURE"

by T. Blaschke¹

Workshop 2003 of the working group „Landscape Structure“ of IALE Germany, April 16-17 2003, Salzburg, Austria.

The working group “Landscape Structure” of IALE Germany (www.iale.de) has existed since the foundation of the German IALE chapter in 1999. It meets at least once a year. This year’s 2-day workshop, with over 70 participants, focused on landscape metrics and their applications.

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The workshop was hosted by ZGIS (www.zgis.at) the GIS center of excellence and the LARG group at the Department of Geography and Geoinformatics, University of Salzburg, Austria (www.geo.sbg.ac.at/larg). There were parallel hands-on software sessions which were very appreciated by the participants. In laboratory sessions we explored well-known software packages such as Fragstats 3.3 and Patch Analyst, but also specialized or less widespread programs (at least in Europe) such as APACK, LEAP, SIMMAP, and RULE. The LARG team also demonstrated self-developed software such as IMT (Interactive Metrics Tool) and a first version of IDEFIX (in-

...continued from p. 1 (Landscape structure)

indicator database for scientific exchange), a landscape metrics database that we have coupled to ArcGIS. These two software applications will be available at the end of the year for free as an output of an EU-funded research project. Presentations included a report on new developments from a working group in Dresden that described a new type of buffer metric which seeks to overcome problems of compactness measures in a 'shrink and grow' manner. Thematically, an astonishingly broad spectrum of applications was covered which had in common the analysis and modeling of landscape structure. Although not explicitly addressed in the workshop title, GIS was considered as a widely available technology and nobody shied away from touching ArcView in the lab sessions. It seems that GIS is intrinsically linked to the exploration of landscape structure. Still, many problems clearly remain unsolved while some new research questions surfaced. Mainly the interpretation of metric values and their translation into meaningful indicators remains problematic. Corresponding research was reported from Germany, Austria, Italy and Denmark. It clearly demonstrated the GIS-based analysis potential. Although the individual studies and their results encourage a wider use of landscape metrics, intensive discussions addressed issues of scaling, data dependency and transferability. Especially when coupled with habitat models, these issues can become problematic and hinder a wider, operational use beyond individual projects. While this year's workshop was dominated by software applications and landscape metrics, next year's meeting in Stuttgart seeks to bridge landscape ecology and habitat modeling more explicitly. We anticipate exciting reports from interdisciplinary groups including landscape ecologists, zoologists and vegetation scientists.



Participants of the meeting „Landscape Structure“ of IALE Germany

LANDSCAPE ECOLOGY LABS FROM AROUND THE WORLD

Here you are invited to present YOUR INSTITUTE! We start the series with the Institute of Landscape Ecology of the Slovak Academy of Sciences (<http://www.uke.savba.sk>)

The Institute of Landscape Ecology of the Slovak Academy of Sciences (ILE SAS) is an interdisciplinary scientific institution for basic and applied research in landscape ecology. It is the successor of the Institute of Landscape Biology of SAS. It was the first institution in former Czechoslovakia that dealt with the scientific challenges of landscape ecology in the period when this discipline was not yet established. At the sixth International Symposium on Problems on Landscape Ecological Research, organised by ILE SAS in Piestany in 1982, the International Association of Landscape Ecology (IALE) was founded. The main research topics of our institute are:

- analyses, syntheses and interpretations of abiotic, biotic and socio-economic landscape elements for landscape-ecological planning
- influence of anthropogenous factors on landscape processes, ecological optimisation, landscape utilisation and methodology of ecological carrying capacity
- ecological problems of agricultural landscapes, territorial system of ecological stability, preservation of biodiversity and geocodiversity
- territorial system of stress factors, structure of the present landscape
- biodiversity and production ecology of forest ecosystems, mainly under stress caused by pollution, climatic changes and tourism
- management of protected areas endangered by negative interference

The Institute was involved in setting up the methodology for landscape-ecological planning LANDEP, suggested as the principle methodology for integrated approach to management of natural resources in Agenda 21 (The Summit in Rio de Janeiro, 1992). ILE SAS is a partner of the European Topic Centre on Nature Protection and Biodiversity and part of the currently created Network of Excellence in the field of long-term ecosystem research. It participates in following EU-sponsored Projects: BIOSCENE, BIOPRESS, EVALUWET, GLORIA-EUROPE, CARBOMONT, BIOPLATFORM, BIOFORUM, BIOHAB. ILE SAS is the publisher of two journals: *Ekológia* (Bratislava) and *Zivotné prostredie*.

IN MEMORY OF PROF. EMIL HADAC (1914-2003)

by P. Kovár¹

Dr. Emil Hadac, Professor Emeritus at Charles University and the first director of the Institute of Landscape Ecology, Cz. Academy of Sciences, died in Prague on 23 April 2003. E. Hadac was one of the most respected phytosociologists, phytogeographers and ecologists of his time. He graduated from Charles University, Prague, in 1938. Among his teachers in Prague was Vladimir Krajina, who emigrated to Vancouver, Canada in 1948 due to communist attacks. Hadac spent two years in Norway and Svalbard which influenced him deeply and brought him a long friendship with Scandinavian scientists, e.g. E. Dahl. Later E. Hadac became the director of the Peat Research Institute and later Professor at the College of Education in Plzen. In 1971 he became the director of the Institute of Landscape Ecology, however, because of his non-conformist attitudes towards e.g. the solution of environmental problems and the organization of science in the former communist state, he was replaced by a politically more adapted director in 1978. He published over 200 papers in professional journals, one monograph, four regional studies, one textbook, and five popular scientific books. A partial bibliography of his publications was published in *Preslia* 46:271-277 (1974), 56: 282-284 (1984), and 66: 275-277 (1994). He was honorary member of the Czech Regional Organization of the IALE. Prof. R.T.T. Forman personally expressed thanks of the community for Hadac's life-long activity in science at the Prague Conference of IALE "Nature and Culture in Landscape Ecology - Experiences for the 3rd Millennium" in 1998.

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A NEW LANDSCAPE ECOLOGY BOOK!

Monographs in Landscape Ecology: Landscape Interfaces, Cultural Heritage in Changing Landscapes; edited by Hannes Palang, Institute of Geography, University of Tartu, Estonia & Gary Fry, Norwegian Agricultural University, Oslo, Norway. Kluwer Academic Publishers, Dordrecht Hardbound, ISBN 1-4020-1437-6, July 2003, 405 pp.

The book highlights the extreme diversity of landscape studies by exploring the interfaces in the landscape. Instead of taking a viewpoint of some of the disciplines we try to map the links between them, indicate points for common understanding and cooperation. These interfaces happen between different cultures, between natural and human sciences, past and present, lay people and experts, time and space, preservation and use, ecology and semiosis. It compares how different cultures interpret landscapes, how cultural values are assessed, explores new tools for assessment, picks up the discussion about landscape authenticity, and finally draws perspectives for further research. It is not a textbook on its own, rather it is additional reading for any course dealing with landscapes on advanced levels, for geographers, landscape ecologists, landscape architects and everybody concerned with landscapes.

More information: <http://www.wkap.nl/prod/s/LAEC>

forthcoming issue Vol. 21, no. 5: Darwin - IALE
Summer School report by
Sigrun Rohde & Keith Ferdinands

The IALE Bulletin is distributed six times a year to the members of the IALE. The IALE - International Association for Landscape Ecology was founded in 1982 to promote communication between scientists, planners and interdisciplinary scientific research. IALE Executive Committee: **President:** Bob Bunce 2003-2007, ALTErrA Green World Research, Wageningen UR, Postbox 47, 6700AA Wageningen, The Netherlands, bob.bunce@alterra.wur.nl; **Secretary General:** Marion Potschin 2003-2007, Universität Basel, Geographisches Institut, Spalenring 145, CH 4054 Basel, potschin@ubaclu.unibas.ch; **Treasurer:** Rob Jongman 1995-2007, ALTErrA Green World Research, Wageningen UR, Postbox 47, 6700AA Wageningen, The Netherlands, rob.jongman@alterra.wur.nl; **Past President:** Richard J. Hobbs 2003-2007, School of Environmental Science, Murdoch University, Murdoch, WA 6150, Australia, rhobbs@essun1.murdoch.edu.au; **Vice Presidents:** Margareta Ihse 1997-2005, Department of Physical Geography, Unit of Ecological Geography, Stockholm University, SE-106 91 Stockholm, Sweden, ihse@natgeo.su.se; Françoise Burel 1997-2005, Lab. Evolution, Université de Rennes 1, Campus de Beaulieu, 35042 Rennes Cedex, France, francoise.burel@univ-rennes1.fr; Nobukazu Nakagoshi 2003-2007, Hiroshima Univ., Dept of Environmental Studies, 1-7-1 Kagamiyama, Higashi-Hiroshima 739-8521, Japan, nobu@hiroshima-u.ac.jp; Louis R. Iversen 2003-2007, USDA Forest Service, 359 Main Rd., Delaware, OH, 43066, USA, liverson@fs.fed.us; **Bulletin Editor and Deputy Secretary General:** Felix Kienast 1999-2007, Swiss Federal Institute of Forest, Snow and Landscape Research, Division of Landscape Dynamics and Management, 8903 Birmensdorf, Switzerland, felix.kienast@wsl.ch; **Chairman of Council:** Jesper Brandt 1995-2007, Roskilde University, P.O. Box 260, DK 4000 Roskilde, Denmark, brandt@geo.ruc.dk

IALE on the Internet: IALE International: <http://www.iale.ws>

MEETINGS

June 7-9, 2004

Multiple landscape, merging past and present in landscape planning, Wageningen, the Netherlands

The workshop is organized under the auspices of the NWO (Netherlands Organization for Scientific Research - programme Protecting and Developing the Dutch Archaeological-Historical Landscape), ISOMUL (the International Study Group On Multiple Use of Land) and the Land Use Planning Group (Wageningen University). Landscape history is a topic of the current debate in Europe and the United States. Archaeologists, historical geographers, ecologists and historians have made tremendous progress in producing data on the genesis of man-made landscapes. Politicians and planners take a public interest in the results of archaeological and historical research. Nevertheless, many questions remain about the role of historical data in strategic policy documents and, particularly, in operational decision-making in land use planning and landscape design. Action research, joint learning, interdisciplinary research, prospection and stakeholder participation pose challenges for scholars, practicing planners and politicians.

The primary aim of the workshop is to discuss the contribution of scientific knowledge to the archaeological-historical landscape in landscape planning and design. A further aim of the workshop is to identify future research questions from the perspective of practitioners and scholars.

You are invited to submit an extended abstract for your paper on the website <http://www.wau.nl/rpv/isomul/workshop2004>. Papers will be published as proceedings and distributed at the workshop to all participants. The organizing committee will present selected papers in a special edition of a refereed journal in the field of landscape research and planning.

More information: Arnold van der Valk, Ilja de Boer, Land Use Planning Chair (Ilja.deBoer@wur.nl) or <http://www.wau.nl/rpv/isomul/workshop2004>

March 30 - April 4, 2004

The 19th Annual Symposium of the International Association of Landscape Ecology US Chapter: „Transdisciplinary Challenges in Landscape Ecology“, Las Vegas, Nevada, USA

More information and registration: <http://www.cof.orst.edu/org/usiale/annualmt.htm>

We need **your input** to generate an up-to-date Bulletin with **your meetings**, **your books**, and **your ideas**. Send contributions as Word Text files to felix.kienast@wsl.ch

October 30 - November 01, 2003

Annual meeting of the German Regional IALE Chapter: „Land use changes“, University of Applied Sciences, Faculty Landscape Management and Nature Protection, Eberswalde, Germany.

More information and registration: usteinhardt@fh-eberswalde.de

April 4-7, 2004

CALL FOR PAPERS: Farming and Rural Systems Research and Extension, European Farming and Society in Search of a New Social Contract – Learning to Manage Change, Sixth IFSA European Symposium, Vila Real, Portugal.

The countryside is no longer seen as a space of food and fibre production. It is understood as multifunctional. Policies have changed considerably over the last decade, and new changes are being discussed at the moment under the EU framework. The 6th IFSA Symposium will be a major opportunity to contribute to this on-going and crucial discussion. The five topics proposed for reflection in the Workshops emerged from this general concern: food quality and safety; sustainability of small farming; natural resources management and landscape construction; knowing and learning to manage change; developing new tools to support sustainable agriculture and rural development. As before, the 6th IFSA Symposium will be an occasion to present and share research results and to advance ideas on future research projects and initiatives. Join us and be part of this collaborative learning endeavour!

More information and registration: <http://www.utad.pt/~des/ifsa/>

October 8-11, 2003

The second meeting of Iale-France will be held in in Gap (in the French Alps)

More information: Sylvie.Vanpeene@grenoble.cemagref.fr

August 25-27, 2004

Restoration on the edge, Society for Ecological Restoration (SER), Victoria, British Columbia

SER's 16th Annual International Conference will focus on restoration on the western edge of North America and the eastern edge of the Pacific Ocean, the edge between culture and nature, ecosystems on the edge of loss, and the edge of making restoration a normal part of landscape management.

More information: <http://www.ser.org/meeting/brochure.pdf>