



Bulletin

International Association for Landscape Ecology

WE WELCOME IALE BRAZIL (IALE-BR)

by Vânia R. Pivello & Jean Paul Metzger

The Brazilian Chapter of the International Association for Landscape Ecology (IALE-BR) was launched during the VII Brazilian Congress of Ecology (VII CEB) held in Caxambu, Brazil, in November 20-25th. Its president is Dr. Jean Paul Metzger, from the University of São Paulo, and the executive committee counts on 2 secretaries, 2 treasurers, 8 counselors and 4 student delegates. IALE-BR presently has 63 regular members, most of them biologists, ecologists, geographers and forest engineers.

Landscape Ecology in Brazil started with the "Forum of Landscape Ecology and Environmental Planning" in June 2000, and a Landscape Ecology section in the Brazilian Congress of Ecology (CEB) in 2001. The idea of IALE-BR emerged during the last Brazilian Congress of Ecology in Fortaleza (2003), since an increasing number of Brazilian researchers are interested in the field of landscape ecology. The Landscape Ecology section of the 7. Congress of Ecology, last November, received 52 abstracts which represented 5.7% of the 912 abstracts. These 52 abstracts dealt with a variety of Landscape Ecology topics.

To have an overview of the main topics that are being investigated in the Landscape Ecology community in Brazil as well as to identify research gaps, we classified the LE abstracts following Wu and Hobbs' (2002) "key issues and research priorities in LE", i.e. 1) ecological flows in landscape mosaics; 2) causes, processes and consequences of land use and land cover change; 3) nonlinear dynamics and landscape complexity; 4) scaling; 5) methodological advances; 6) relating landscape metrics to ecological processes; 7) integrating humans and their activities into LE; 8) optimization of landscape pattern; 9) landscape conservation and sustainability; 10) data acquisition and accuracy assessment. According to the scope of the abstracts, we used 6 of these "key issues" and suppressed issues 3, 4, 8 and 9, either because there was no abstract under the subject (issues 3 and 8) or because the topic was always treated together with another issue (issues 4 and 9).

Moreover, issue 6 was modified to "relating landscape structure, metrics and quality to ecological processes and patterns", and a category "other" was included to embrace 2 abstracts that could not be included into any other class.

The resulting classification shows a high proportion of abstracts in issues 2, 5 and 10; only one abstract on issue 1 was presented, and issue 6 was poorly explored. Most abstracts were descriptive and a few contained critical analyses. Abstracts on issues 2 and 10 were associated with data obtained through remote sensing (i.e. impacts caused by forest fragmentation, deforestation and development). Issues related to methodological advances (number 5) included new uses of GIS, the use of novel remote sensing images, and the development of indices related to environmental quality. Most of the abstracts on issue 7 dealt with the zoning or management of specific areas, aiming at conserving the natural resources and sustainability – therefore integrating Wu and Hobbs' key issue 9 to issue 7. A few abstracts related landscape structure / metrics to ecological processes and distribution patterns of some animal communities (issue 6), and the only abstract on issue 1 correlated the movement of bird species to landscape connectivity.

IALE-BR Executive Committee:

President: Jean Paul Metzger, jpm@ib.usp.br

Vice-President: José Eduardo dos Santos

First Secretary: Vânia R. Pivello, vrpivel@ib.usp.br

Second Secretary: Marcelo Lima

First Treasure: Mateus Batistella

Second Treasure: Sílvio Ferraz

Counselors: Ana Luiza Coelho Netto, Carlos Hugo Rocha, Cláudio Bohrer, Eduardo Mariano Neto, Ernesto C. de Castro, Geraldo Majela M. Salvio, Maria Luiza Porto, Rozely Ferreira dos Santos

Student delegates: Alexandre Camargo Martensen, Deisy Tress, Maria Lúcia Florini, Sueli Thomaziello



IALE WORLD CONGRESS 8-12 JULY 2007

ALL information on: <http://www.iale2007.com>

In 2007 the International Association for Landscape Ecology (IALE) will have its 25th anniversary. The 7th World Congress will be held in that year and returns to the continent where it was founded. However, now in the modern Europe with old and new chapters here and in other continents the congress will be a great opportunity for landscape scientists from the whole world to share their ideas.

The scientific concepts and tools that started to be developed 25 years ago are now generally applied in research on sustainability, biodiversity, land use change, conservation planning, ecological networks, and global change. They have also been used to set national biodiversity programmes, e.g. in the UK, the Netherlands and Slovakia.

The congress will bring together 25 years of achievements in Landscape Ecology and will focus on the scientific principles and their practical applications to conservation planning, land and water management, and land-use planning both now and in the future. The discussions will show the increasing importance of remote sensing and geographic information systems, spatial statistics and modelling at the present day. The congress will also demonstrate how landscape ecology is playing an increasingly important role in spatial planning in terms of landscape and biodiversity.

The congress will offer

- o A world review of Landscape Ecology
- o Symposia with presentations of key topics
- o Open sessions with papers covering topics not included in the symposia
- o Workshops for brainstorming on potential new topics
- o Short presentations for early career scientists and others who wish to stimulate discussions
- o Poster sessions
- o A final summary of the key conclusions of the symposia the organisers
- o Identification of future themes and key issues in the final round table discussion
- o Discussion of European policy issues associated with Landscape Ecology
- o Documentation of the proceedings by books of papers delivered at the conference and a subsequent substantive book.
- o A lively social programme
- o Conference excursions
- o An open day at the worlds largest centre of landscape ecology



A world congress - in the middle of the most beautiful places in the Netherlands!

from: visibleearth.nasa.gov

CALL FOR INTENSIVE COURSES

Linked to the IALE World Congress 2007 Wageningen University offers space to hold intensive courses. As the Congress is intended to cover all aspects of Landscape Ecology, such courses can cover different fields reflecting the ecological and cultural diversity of the world and the tools and methods used in landscape ecology.

The Scientific Committee invites proposals for intensive courses. The main target audience of the courses are young career scientists and PhD students. Proposals for courses will be collected by Marion Potschin. Those who are interested to organise an intensive course are requested to fill in the proposal form and send it to Marion Potschin (marion.potschin@nottingham.ac.uk). The form can be found at the congress website <http://www.iale2007.com> under courses.

SPECIAL ISSUE OF LANDSCAPE AND URBAN PLANNING

The special issue (outcome of a Symposium at the IALE Conference in Darwin) is now finally printed:

„Landscapes and Sustainability“; Special issue of Landscape and Urban Planning 75 (3-4): 155-332. Edited by Marion Potschin and Roy Haines-Young
<http://www.sciencedirect.com/science/journal/01692046>

Landscape issues are frequently discussed in the context of sustainability, but it is often not clear what contribution Landscape Ecology, as a discipline, makes to the general sustainability debate. Do we as landscape ecologists merely make reference to sustainability to legitimise what we normally do? Or does a landscape perspective provide something that is distinctive or unique in terms of the way we frame sustainability issues or resolve them?

The aim of this special issue of Landscape and Urban Planning is to explore this question by bringing together papers by authors from across the science–social science spectrum to debate the concept of sustainability and landscape. The focus of this issue is to discuss the relationships between ecosystem structure and function at the landscape scale and the outputs of environmental goods and services.

AN INTERESTING JOURNAL

The international journal "Landscape and Ecological Engineering" is published by the International Consortium of Landscape and Ecological Engineering (ICLEE), a consortium of East Asian societies as an official periodical of each society. The journal is, therefore, not limited to specific disciplines and approaches, but solicits papers reporting research results that emphasize on the solution of environmental problems and management.

Loss of biodiversity, desertification, global warming, and other environmental issues have become increasingly recognized, requiring the advancement of environmental conservation and restoration from a global perspective. Although various worldwide scientific and engineering efforts, including those in Asian countries, have contributed to ameliorating the environmental crisis, growing pressures of economic and industrial development in Asia necessitate much further effort with consideration of sustainable development of human society. In addition, climatic conditions in eastern Asia, such as the Asian monsoon climate, and the ecological communities of the region diverge greatly from those in the West. The investigation should then be conducted within a framework appropriate to these given conditions.

Landscape and Ecological Engineering (LEE) is published to meet the global responsibility in protecting and improving the environment unique to each region. The journal promotes the development of theoretical concepts in environmental conservation and restoration and takes a leadership role in establishing effective techniques for their application. For truly useful research that provides practical solutions, it is essential to exchange information among a wide array of experts across multidisciplinary fields and many countries, and particularly to coordinate between researchers and their activities.

LEE: <http://www.springeronline.com/journal/11355>

ICLEE will have an International Conference on Ecological Restoration in East Asia from June 16 to 18, 2006 in Osaka, Japan.

More information: <http://www.soc.nii.ac.jp/jsrt/ICLEE/index.htm>

CALL FOR PAPERS

June 23, 2006

**Convention 2006,
The new landscapes**

Landscape ecology faces the environmental surprises and novelties. Pesaro - Urbino, Italy



Topic of the convention is to study new structures and dynamics determined by the most recent landscape transformations.

We want to investigate new landscapes directly or indirectly created by human activities to identify new outlines of research and suitable management scenarios. We especially refer to three types of induced changes which concern ecosystems, economy and society:

- a Landscapes created by direct transformation of soil use due to urbanization and construction of new infrastructure.
- b Landscape changes caused by lowering of human activities, such as land abandonment.
- c New Landscapes that have evolved as a result of natural forces (e.g. as a result of global change, glacier shrinkage or landslides).

A discussion concerning global effects of local transformations will close the convention.

DEADLINES

April, 15: Abstract submission to the secretary: info@Siep-Iale.it, please indicate if you want to contribute with an oral communication or a poster.

April, 30: Abstract acceptance communication and proceedings guidelines.

May, 30: Congress inscription and proceedings submission (in the format requested by guidelines). Proceedings will be submitted to referee.

To get further information please contact SIEP-IALE secretary: info@Siep-Iale.it, or phone/fax 00392/799386.

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@wur.nl; **Secretary General:** Marion Potschin 2003-2007, School of Geography, University of Nottingham, Nottingham NG7 2RD, Marion.Potschin@nottingham.ac.uk; **Treasurer:** Rob Jongman 1995-2007, ALTERRA Green World Research, Wageningen UR, Postbox 47, 6700AA Wageningen, The Netherlands, Rob.Jongman@wur.nl or rob.jongman@planet.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:** Louis R. Iverson 2003-2007, USDA Forest Service, 359 Main Rd., Delaware, OH, 43015, USA, liveron@fs.fed.us; Nobukazu Nakagoshi 2003-2007, Hiroshima Univ., Dept of Environmental Studies, 1-7-1 Kagamiyama, Higashi-Hiroshima 739-8521, Japan, nobu@hiroshima-u.ac.jp; Maria Kozova 2005-2009, Comenius University in Bratislava, Faculty of Natural Sciences, MI. dol. B-2, 842 15 Bratislava 4, Slovakia, kozova@fns.uniba.sk; Sandra Luque 2005-2009, Cemagref - Institute for Agricultural and environmental engineering research, 2, rue de la papeterie, BP 76, F-38402 St-Martin-d'Hères, cedex, France, sandra.luque@cemagref.fr; **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@ruc.dk.

IALE on the Internet: IALE International: www.landscape-ecology.org

MEETINGS

June 16-18, 2006

3rd Conference of IALE Asia-Pacific Region: INTERNATIONAL CONFERENCE ON ECOLOGICAL RESTORATION IN EAST ASIA. Osaka, Japan

This meeting will enhance exchange of information on theoretical concepts in environmental conservation and restoration, and takes a leadership role in establishing effective techniques for their application.

More information:

<http://wwwsoc.nii.ac.jp/jsrt/ICLEE/index.htm/>

June 20- 30, 2006

Advances in Forest Landscape Modeling: Approaches, Standardization, Validation, and Application. Beijing

Purposes of the Workshop

The purpose of the workshop is to bring together world experts to evaluate the history and development of forest landscape models (FLMs), the new challenges, application of FLM's, and new analytical methods that are needed. By bringing together model developers and users with diverse social and cultural backgrounds, a workshop can facilitate the exchange of ideas and rapidly advance the science of FLM's.

This workshop will make it possible for forest landscape modelers in Asia to demonstrate the achievements they have made and the challenges they are facing. The workshop also will allow world experts to understand the forest management questions unique to Asia and to share their expertise.

Objectives of the Workshop

The workshop presentations and discussions will focus on the following areas.

- 1) Presentation and discussion of new approaches and recent developments related to FLM's.
- 2) Model evaluation— approaches and methods for analyzing spatial and nonspatial uncertainties and sensitivities.
- 3) Model validation—approaches and methods.
- 4) Model reusability, standardization, and interchangeability.
- 5) Demonstration of model applications, including the work of planners and managers using FLM's to assist in decision making.

More information: <http://www.landscape.ac.cn>

June 14-16, 2006

Landscape change. Learning from the past - visions for the future. Tromso, Norway

More information: <http://www.njf.nu/>

June 26 - July 2, 2006

3rd Workshop and Short Intensive Course on Wetland Water Management. Biebrza, Poland

This course will be held within the „Center of Excellence in Wetland Hydrology - WETHYDRO“ project framework and is mainly addressed to young professionals. The aim of the course is to present the role of the water management in preservation and/or restoration of the wetland ecosystems. We want to achieve this aim by investigation of different wetland habitats, which might be used as a reference for Central and Western European major types of fens and marshes.

More information: <http://levis.sggw.waw.pl/wethydro>

October 4 - 7, 2006

Implementation of Landscape Ecology in the new and changing conditions. 14. Int. Symposium on Problems of Landscape Ecological Research. Institute of Landscape Ecology, Slovak Academy of Sciences, Stara Lesna, High Tatras Mts., Slovakia

More information: <http://www.uke.sav.sk/>

November 13 - 14, 2006

NatureProtection: GIS. International Symposium on Geoinformatics in European Nature Protection Regions. Dresden, Germany

This symposium aims at raising awareness in scientific, economical and political fields of action concerning the importance of establishing and maintaining spatial data networks in and between European nature protection regions by means of geoinformatics. We are especially looking forward to discuss and develop strategies of transnational networking for the management of green corridors interconnecting European regions.

More information: <http://www.natureprotection-GIS.de>



ALL OLD IALE BULLETINS ONLINE

Thanks to Jesper Brandt that searched through the old archives of IALE and an enormous scanning effort done by students and professionals at the Swiss Federal Institute of Forest, Snow and Landscape Research (WSL), you have access to all IALE Bulletins that have come out since the foundation of the organization. Unfortunately the quality of some Bulletins was so poor that text recognition could not be performed. Thus only scanned images are displayed.

Please visit the following Web-Site for download:

<http://www.wsl.ch/land/iale/bulletin.php>