



# Bulletin

## International Association for Landscape Ecology

### NEW YEARS GREETINGS

#### FROM THE IALE PRESIDENT FELIX KIENAST

Greetings to all IALE members, and best wishes for 2013. The year 2012 was a busy year in landscape ecology, with numerous regional meetings and events. Landscape-ecological knowledge is increasingly used at many levels of education, government and private institutions, and we have a growing interest in South America, the Middle East, India and China. We are very proud that IALE Iran is the first Middle East region that was founded in 2012. In order to strengthen the input of landscape ecology in related fields, we also started talks with other professional societies. A formal collaboration with the Ecosystem Service Partnership (<http://www.es-partnership.org>) was established in 2011/12 and will strengthen IALE and its unique focus on landscapes.

Despite this success, however, IALE membership is slightly decreasing, be it due to the financial crisis in many parts of the world, or the currently observed trend for short-term commitment by individuals to professional societies. Decreasing membership unfortunately means decreasing IALE funds available for regions, early career travel support, or loans. In the last Skype call in November the IALE EC discussed possibilities to increase income with a number of measures, including: (a) donations from larger organizations or private sponsors; (b) stronger participation in the financial success of IALE sponsored meetings, and; (c) increased membership fees. The last of these is currently being discussed among the IALE council members, and we are actively seeking ideas from the membership at large on how best to increase our funding base.

The IALE EC is proud to return 80-90% of our income to the regions in the form of early career support, loans or the support for newly emerging regions. Please consult the Bulletin or the Web Page to learn

more about supported activities (see <http://www.landscape-ecology.org/index.php?id=6>). In this Bulletin we launch the third call for financial support. Thanks to a great effort by our Bulletin Editor, Benjamin Burkhard, the Web page has been reorganized and is constantly being updated. The Bulletin has considerably more contributions from meetings, reports from early career scientists, and reports from awardees, and now serves as one of the principal means by which information is shared among members.

In 2013 we will continue to invest time and energy to meet your expectations of an innovative professional society. Many regional conferences and workshops will take place, including: the US-IALE annual meeting in Texas in April 2013, the IALE-Europe meeting in fall 2013 in Manchester, and an inaugural scientific meeting of IALE Iran in fall 2013. Please consult the IALE web site (<http://www.landscape-ecology.org/>) for details.

I am convinced that with your efforts our Society will overcome the membership difficulties we face at the moment, and I kindly invite you to voice your needs both in terms of financial support and networking via email ([felix.kienast@wsl.ch](mailto:felix.kienast@wsl.ch)) or other forms of communication.

We have a challenging mission and program – so please spread the word among your colleagues and encourage them to become member of IALE.

Yours **Felix Kienast**  
IALE President 2011 - 2015



## CALL FOR NOMINATION OF TWO VICE-PRESIDENTIAL POSITIONS FOR THE IALE EXECUTIVE COMMITTEE 2013-2017

The IALE Executive Committee consists of a president, the past-president, four vice-presidents, a secretary-general, a treasurer and a Bulletin editor/deputy secretary-general. The members are elected for a four-year term, with the last election in 2011. In general, two vice-presidents are elected to a four-year term just preceding the IALE World Congress, which is held every four years, and the other two vice-presidents are elected between the general elections, the next to occur in 2013.

The vice-presidents are intended to provide regional representation and should reflect the international character of the Association. They may be re-elected to consecutive terms. Of the present vice-presidents, Bojie Fu (China) and Sandra Luque (France) have terms ending in the summer of 2013, whereas the two other Vice Presidents Giovanni Zurlini and Jean-Paul Metzger, have terms ending in the summer of 2015. An election of two vice-presidents will thus be carried out in summer 2013. According to the IALE statutes (G1) a request for nominations of candidates for the two vice-presidential positions is hereby distributed to the members. The nominating committee is chaired by the present Chairman of the IALE Council (Xiuzhen Li, China) and the Past-President of IALE (Bruce Jones, USA). They will appoint three additional members to the Nominating Committee, in a manner intended to provide regional representation and valid information concerning the received nominations.

Nominations shall be made by two members in good standing and shall be consented to in writing by the signature of the nominee. The nominations are due in the hands of the Deputy Secretary-General Thomas Edwards ([t.edwards@nr.usu.edu](mailto:t.edwards@nr.usu.edu)) on or **before 31 January 2013**. The [nomination form](#) may be used, but E-mails confirming the nomination and consent of the nominee will also be accepted, provided they are sent individually from these persons. The members proposing the nominations are asked to enclose a short description of motives and recommendations for the nominee. The nominee is asked to enclose a short

CV (2 pages maximum) and a position statement for the nomination (not more than 1000 letters), suitable for publication in the IALE Bulletin. This should be forwarded together with the nomination form.

The Deputy Secretary-General will deliver all valid nominations to the Chairs of the Nominating Committee. Nominations may also be made by the Nominating Committee, with the consent of the nominee. The Nominating Committee will develop a slate with (if possible) at least two eligible candidates for each of the two positions for vice-president. Candidates will be selected from the nominations received with reference to: considerations of the Statutes of the Association, needs of each particular office, the international and regional nature of IALE, the interdisciplinary character of IALE, and other criteria likely to affect the vitality of IALE.

By **31 March 2013**, the Chair of the Nominating Committee shall announce through the Bulletin and the Web site the list of candidates for all positions upon which the voting and election will be based. Additionally, the Chair will post the position statements prepared by the candidates.

By the **30 April 2013**, members in good standing can submit additional write-in candidates for any position to the Deputy Secretary-General, but such candidates must have agreed to serve if elected. After this deadline the Nomination Committee will distribute to all members currently in good standing a ballot containing the list of candidates for all positions. The ballot shall be a secret electronic ballot.

To be valid, ballots must be returned by the end of the day of **15 June 2013**. Candidates for each position will be elected by a simple majority of valid ballots cast.

**by Xiuzhen Li, Chairman of the IALE Council  
& Bruce Jones, Past-President**



...continued from page 2 (Nomination of 2 IALE Vice-Presidents)

### Nomination for positions for IALE Executive Committee

(to be in hands of the Secretary-General by mail or Fax before 31. January, 2013. E-mails confirming the nomination and consent of the nominee will be accepted, provided they are sent individually from these persons to the Secretary-General’s email address at the bottom of this form).

The mentioned two members of IALE want to nominate:

\_\_\_\_\_  
(Name)

for the election of the position of

Vice-President

to the Executive Committee of the International Association for Landscape Ecology, to be held 15. May – 15. June 2013.

Place \_\_\_\_\_

Place \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Name \_\_\_\_\_

I accept the nomination:

Place \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

The members proposing the nominations are asked to enclose a short description of motives and recommendations.

The candidate for nomination is asked to enclose a short biography and a position statement for the nomination (in all not more than 1000 letters), suitable for publication in the IALE Bulletin.

IALE Secretary-General:

Thomas C. Edwards , 5230 Old Main Hill, Logan, UT 84322-5230, USA, tel: +1 435 797-2529;  
t.edwards@nr.usu.edu

### THIRD CALL FOR FUNDING OPPORTUNITIES FROM IALE INTERNATIONAL IN 2012/13

The first and second round in the new money allocating procedure ([Bulletins 29.3](#) and [30.1](#)) was used by a number of individuals and regions. The IALE EC selected a number of proposals for both early career travel support and establishing new regions. We will report on supported projects in the Bulletins and on the Web

(see <http://www.landscape-ecology.org/index.php?id=6>).

In order to cope with a decreasing income from membership, the IALE EC had to lower the available amount to 5,000 Euros for this call to support early career travel to IALE Conferences.

We envisage the following category for funding:

If you plan to submit a proposal, please send a 1/2 to 1 page describing the activity, the aim, potential co-sponsors, schedule, names of individuals or institutions receiving the grant and send it

**Before December 25, 2012** to

Secretary General:  
Thomas C. Edwards  
5230 Old Main Hill, Logan,  
UT 84322-5230, USA  
phone: +1 435 797-2529,  
email: [t.edwards@nr.usu.edu](mailto:t.edwards@nr.usu.edu)

**by the IALE EC**

Activity	Priority	Details	Approx. total amount available for this call
Early career travel to IALE conferences in 2013	<ul style="list-style-type: none"> <li>For this call no priority for low and lower-middle income countries (<a href="http://data.worldbank.org/country">http://data.worldbank.org/country</a>)</li> </ul>	<ul style="list-style-type: none"> <li>Only IALE or IALE-supported conferences</li> <li>Only conference organizers are eligible to apply.</li> <li>Money will then be transferred to Organizers and redistributed to eligible candidates.</li> <li>IALE International funds should be used to support international or out-of-region scholars.</li> </ul>	Up to 5,000 Euro donations

### ESTABLISHMENT OF IALE-IRAN AS THE FIRST IALE CHAPTER IN THE MIDDLE EAST - IALE GRANT REPORT

I am pleased to announce the establishment of a IALE chapter in Iran, as the first IALE regional chapter in the middle east.

After working intensively for several months with Prof. Felix Kienast, President of IALE International, to do all the necessary steps for setting up a new regional chapter, in April 2012, the EC of IALE Inter-

national has accepted IALE-Iran as an official IALE chapter and then IALE-Iran was recognized by the IALE Council in May 2012.

Iran is a vast country subject to diverse climatic and environmental conditions and hence harbors an immense diversity of terrestrial and marine species. During the last decades, severeral ecological issues like landscape fragmentation, land degradation, land use change, urbanization and biodiversity loss have been emerged in Iran as a result of development. The effects of these issues in Iran could be reduced

...continued from page 4 (IALE-Iran established)

if knowledge of landscape ecology implemented by researchers and managers to understand patterns and processes behind these problems.

The establishment of the Iranian chapter of IALE can foster the process of extending scientific knowledge to practitioners and encourage communication between scientists, policy makers, planners and practitioners in the field of landscape ecology in Iran.



We are grateful that IALE International supports the establishment of our chapter and the international conference in 2013. We will do our best for scientific cooperation with IALE-International.

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 of Technology  
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 Email: [iale.iran@of.iut.ac.ir](mailto:iale.iran@of.iut.ac.ir)  
 Website: <http://iale.iran.iut.ac.ir>

by **Sima Fakheran**  
 President of IALE-Iran

## **IALE GRANT REPORT II: GUATEMALA- SUPPORT TO ESTABLISH A REGION**

A scholarship from IALE made possible the participation of Manolo García from Guatemala to the IUFRO Landscape ecology working group conference in Concepción, Chile in November 2012.

One of the main goals to attend to this conference was to present the initiative for the creation of a Mesoamerica & Caribbean Chapter in the IALE meeting held during the conference. After the discussion regarding

the creation of regional and national chapters it was suggested that the creation of working groups, at this moment, can be a better strategy to strengthen the current work in Mexico, Central America & Caribbean, and Colombia. Chile will work in association with Argentina to build up their efforts in South America.

After the meeting, representatives from the different countries in the region will continue to exchange in order to define a topic of common interest that integrates different visions into a IALE working group that will highlight a holistic landscape ecology approach needed for the region. This synergy among researchers of different regions from Latin America will help to provide solutions to the new challenges in management and conservation of natural resources. The group of researchers from Guatemala will continue identifying and contacting people working in a larger region in Central America that can have an interest to participate in a working group. Researchers are welcome to contact us and join this initiative.

by **Manolo García and Fernando Castillo,**  
 IALE Guatemala

## **IALE GRANT REPORT III: EARLY CAREER SCIENTIST SUPPORT FOR IALE-UK CONFERENCE 2012**

*"Graduated as an urban planner and a young career as a policy maker and consultant in the field of climate adaptation I have explored the importance of visualisations in the landscape planning process. Specially visualizing complex information on how climate change impacts can improve the planning process. Since 2010 I am working as part time PhD student at the Wageningen University in the Netherlands to investigate how we can improve visualisations in order to make given spatial information on climate change impacts more relevant for policy makers in the design phase of the adaptation planning process. To address my research question I am working on a theoretical framework which links spatial impact information*

*...continued from page 5 (IALE Grant report)*

*indicators and visualisation uncertainties techniques to specific framed perceptions of adaptation planning.*

*Attending the [19th ialeUK](#) conference gave me the opportunity to share my experiences with people working on landscape planning in various countries from across science, policy or practice. Both the oral and poster presentations gave me a lot of inspiration to further elaborate my research and consulting activities. Claire Vos for example also ascertained that the implementation of adaptation measures is still hampering because they are not suitable at the local scale. She introduced a theoretical framework, which applies the social-ecological system and points out the importance of local knowledge in the adaptation planning process. Susan Guy shared her experiences with mapping processes to force action and implementation. The presentation of Lorena Segura gave me a lot of inspiration by the way she selected her indicators and visualised them in a very attractive way. Chloe Bellamy and Andrew Mead both presented the possibilities of GIS to explore, analyze and combine mapping data.*



*The conference gave me also the opportunity to present my own findings and to sound my Information Visualisation Framework. The Framework is aiming at systematically clarifying, identifying and visualising user needs for adaptation planning. The close out by Richard Smithers emphasized the importance of identifying users needs in order to provide salient information. For me the conference was very successful. It gave me a lot of inspiration, which will surely benefit my research and consulting activities."*

**by Monique de Groot**

*"The conference offers a formidable opportunity to present my recent post-doctoral work in landscape modelling and to discuss with landscape modellers about the generality of my approach and the possibility to apply it to their case studies. Furthermore, as I began a new position in landscape modelling of ecosystem services, the conference was a unique occasion to enlarge my view on the way to analyse and model ecosystem services. The discussions between scientists from other disciplines will help me to find new ideas on how to model the link between environment and society, this link being insufficiently considered in my previous work. It gives a good opportunity for me to submit new ideas about the optimization of landscape arrangement to consider trade-offs between ecosystem services.*

*Finally, I am convinced that, more than gathering scientists that work on the same object, landscape congresses are excellent places for transdisciplinary researches. There is an urgent need to consider landscape as the matrix where ecological, socio-economical and physical processes occur, and the variety of disciplines invited to this congress in Edinburgh demonstrated that it is possible to work together if each discipline makes the effort to standardize its own vision of the landscape for being understood by the other disciplines. The congress convinces me that we are on good way to share an integrated vision of landscape with all its complexities."*

**by Fabrice Vinatier**

*"This summer, I attended the 19th ialeUK Conference, which was held from 4 to 6 September 2012 at The University of Edinburgh. This international conference explored how landscape ecology can help guide sustainable use of land and the services it provides to society. With about 90 participants representing various disciplines and working in a wide range of fields, the conference proved to be a valuable platform to share knowledge and discuss issues of landscape ecology.*

...continued from page 6 (IALE Grant report)

*I was delighted to give a flash presentation about my work on the development of scenarios for the spatial distribution of landscape services in a rural landscape. I appreciated the flash talks a lot, since there is only time to really focus on the most important parts that you want to convey to the audience. Even though 5 minutes is very short, all the presenters were able to give a clear presentation within the given time. Unfortunately, some were at the end of the day, in the future it would be nice to have them before the poster presentation, to facilitate the discussion and debates during the poster sessions.*

*The interactive session with the Ketso toolkit was a very valuable exercise of the conference. The goal was to discuss how landscape science, policy and practice can better work together to ensure sustainable use of land and the services it provides to society. Even though there was little time, it was good to share our knowledge in an interactive way, which provided different types of discussion and provided an opportunity to debate landscape ecology at a different level. I think it might be worthwhile to organise an interactive session with a similar group of delegates, focussing on a specific issue in order to identify potential implications and opportunities more explicitly. By any means, I appreciated the interactive session a lot and hope this will be done more often at conferences.*

*The conference has brought me a new collaboration within my research and even gave me a job opportunity for after my PhD. I am truly grateful for receiving the IALE early career support, giving me the opportunity to exchange my research and expand my professional network! I also want to thank the ialeUK committee for their support and trust. I really enjoyed my role as post-graduate coordinator and learned a lot from the committee members. Finally, I want to thank Jess Neumann for taking over this role and wish her good luck and a good time in the committee!*

**by Monique Gulickx**

## **IALE GRANT REPORT IV: EARLY CAREER SCIENTIST SUPPORT FOR II. BRAZILIAN LANDSCAPE ECO- LOGY CONGRESS 2012**

*"I would like to thank Dr. Danilo Boscolo, from IALE Brazil, for his kind invitation to give a talk in one of the open plenaries at the II Brazilian Landscape Ecology Congress. Also, I'm thankful for the "Young career scientist grant" provided by IALE International. It was a great pleasure to present my work on changing landscape, biodiversity loss and ecosystem services in Chile. My participation over the event allowed the exchange of experiences between Brazil and Chile and the development of future collaborations with students and Brazilian researchers. In particular,*

*I took the opportunity to discuss with IALE-Brazil representatives about future actions to strengthen landscape ecology in Latin America and in Chile. Another important output of my visit was Dr. Jean Paul Meztger's invitation to participate in a special issue on restoration and landscape for the Brazilian journal of Nature Conservation. During the event, I also took the opportunity to promote the 2012 IUFRO Landscape Ecology Working Party Conference that was recently held in Chile. The grant enabled collaborative links between Brazil and Chile to be strengthened.*

**by Cristian Echeverria, Chile**

## **II. BRAZILIAN CONGRESS OF LANDS- CAPE ECOLOGY – II IALE-BR**

The II. Brazilian Congress of Landscape Ecology was held in the city of Salvador, the capital of the state of Bahia, in northeastern Brazil, between September 10th and 12th of 2012.

There were a total of 261 participants, including researchers, students and environmental managers, which debated the current challenges and perspectives of Landscape Ecology in Brazil. The discussions

...continued from page 7 (IALE-Brazil Congress)

focused not only on academic research, but also on how to bring Landscape Ecology into common environmental practice and decision making on the ground. Compared to the First Brazilian Congress of Landscape Ecology, there was a huge increase in the number of attendants (from 60 to 261) and a broadening geographic spectrum of participation, including more intensive attendance from central and northeastern Brazil. Also, there was a particularly high attendance of non-academics, which demonstrates that the efforts of the Brazilian Chapter of IALE to publicize Landscape Ecology not only in the academic ground is sound.



The opening ceremony, which was followed by a confraternization cocktail, was held at the evening of the 9th of September and conducted by the president of IALE-Br, Dr. Danilo Boscolo. He presented a synthesis on the efforts of the Brazilian chapter of IALE in promoting Landscape Ecology in Brazil and the importance of previous efforts by Brazilian researchers, which made this event possible.

The following days were all started by special plenary sessions with prominent experts in Landscape Ecology. The first speaker was Prof. Jean Paul Metzger (USP-Brazil), vice-president of IALE, who presented a broad overview of the history, main concepts and interdisciplinary potential of Landscape Ecology, with special focus on how this science is being developed in Brazil. On the second day, Dr. Cristian Echeverria,

from Universidad de Concepción (Chile) presented his research on how land use changes can influence native forest cover in Latin American countries. In the last day, Dr. Milton Cezar Ribeiro (UNESP-Brazil) presented some new perspectives and potentialities for Landscape Ecology in Brazil for the next following years, especially in the field of movement and road ecology, the integration of Landscape Ecology and macroecology, and in the field of landscape genetics and spatial modeling.

The presence of Dr. Echeverria in the Conference was made possible through an Early career scientist support from IALE, which was important to promote the collaboration between Chile and Brazil, which are countries with similar environmental problems and obstacles to develop the scientific basis of landscape ecology. We certainly will consider these potentialities for exchanging experiences between Latin American countries in the next conferences.



Audience at the II. Brazilian Congress of Landscape Ecology (Photo: local organizers).

During the congress we also had nine symposia and several open sessions, in a total of 125 oral presentations and 133 posters. The open sessions were thematic based, to provide better focus and room for discussion. Open sessions themes focused on Landscape analysis and strategies for species conservation; connectivity in terrestrial and aquatic environments; technical developments in Landscape Ecology to



...continued from page 8 (IALE-Brazil Congress)

tackle tropical environments; integrating socio-environmental aspects with ecological strategies for restoration site selection in fragmented landscapes; integration between environmental monitoring and planning using Landscape Ecology conceptual backgrounds; among others.

Prior to the event, two courses were offered, one on Road Ecology and another one on Neutral Landscape Models, which attracted around 50 people, mostly graduate students and technicians from governmental agencies. In the closing ceremony, the five best oral and five best poster presentations were awarded with books and GIS software given by SCGIS (the Society for Conservation GIS), represented in the event by Dr. Alexandre Uezu (IPE-Brazil), and which organized the II Brazilian SCGIS Symposium within the congress.

In summary, we can say that the congress was a great success, and achieved its goals to promote discussions related to landscape ecology theory and practice in Brazil. The conference also boosted the collaboration between different research groups in Brazil and consolidated IALE-Br as an important national ecological association and IALE chapter, with more than 150 members. The feeling at the end of the congress was that a strong network of people dedicated to do research and apply landscape ecology to solve Brazilian environmental problems was strengthened.

by **Danilo Boscolo (President of IALE-Br)**, **Alexandre Camargo Martensen (Vice-President of IALE-Br)**, **Rozely Ferreira dos Santos (1st secretary of IALE-Br)**, **Jean Paul Metzger (IALE Vice President, South and Central America)**



Impressions from the II. Brazilian Congress of Landscape Ecology (Photos: local organizers).

## LANDSCAPES, FORESTS AND PEOPLE: THEY ARE MORE CLOSELY CONNECTED THAN IT LOOKS

IUFRO Landscape Ecology Conference in Concepción, Chile 2012

This was one of the main conclusions generated from the Biennial Conference of the IUFRO Forest Landscape Ecology Working Party 8.01.02, titled “Sustaining humans and forests in changing landscapes: forests, society and global change” that was held in Concepción, Chile from the 2nd to the 12th of November, 2012.

This Working Party seeks to promote and facilitate the application of landscape ecology concepts in the policies and practices of forested landscapes worldwide. It also encourages communication and interaction among scientists who have an interest in landscape ecology and forestry. This is why in order to join forces with the IALE Community an IALE-IUFRO working group was created in 2007. For the IUFRO conference the IALE Community from Latin America was represented at this event and a IALE Latin American meeting was held during the event in order to discuss new IALE chapters projects within the region.



From left to right: Britaldo Silveiro Soares-Filho (invited keynote speaker), Sandra Luque (new appointed IUFRO-LE working party coordinator), Rosimeiry Portela (invited keynote speaker), Daniel Flores on behalf of Fernando Peña (Organizing Committee's member), Louis Iverson (Scientific Committee's chair), Laura Nahuelhual (Organizing Committee's member), Jianguo J. Wu (invited keynote speaker), and Cristian Echeverria (Organizing Committee's chair). (Photo: local organizers)

...continued from page 10 (*IUFRO Landscape Ecology Conference*)

In particular proposals from Central America and Chile as well as a project for the “II IALE Latin American Conference” were discussed. The region offers new challenges to forest landscape ecology due to its tremendous heterogeneity of ecosystems and diverse socioeconomic conditions. South American forests represent a large fraction of the world’s biodiversity and, in turn, are characterized by progressive deforestation and degradation.

The 2012 IUFRO LE Conference brought together more than 300 delegates from 45 countries of all continents (except Antarctica). 39 Scholarships from 18 different countries were allocated to young researchers and students, partial funding was provided by IALE for 3 scholarships. In this event, delegates were able to exchange experiences and knowledge through various venues such as four pre-conference courses, four options of field trips, publication of short manuscripts in an international journal, symposia, oral and poster presentations, and a multi-day post-conference field trip. In particular, we received 252 scientific contributions such as symposia (57), oral presentations (87), posters (91) and 22 short manuscripts for publication in an ‘ISI’ journal (*El Bosque*).

The contributing topics ranged from forest landscape management to studies on spatial patterns and ecological processes including the effects of climate change and landscape management. These studies were conducted in diverse, contrasting landscapes, from the sub-Antarctic forests in Cape Horn, Chile to the Siberian forests, and including landscapes from Brazil to Australia to Turkey to Canada. It was our major interest to promptly divulgate these works through publication in an open-access scientific journal that is widely known in Latin America. With this goal, the Issue 33 (3) of the *Bosque Journal* was dedicated to the publication of the short manuscripts accepted by the conference’s scientific committee. At present two Special Issues are under way in *Landscape Ecology* and in *Forest Ecology and Management*.

Moreover, we had the opportunity to have three outstanding researchers in the plenary sessions: Dr. Jianguo Wu, Arizona State University, USA and Editor-in-chief of *Landscape Ecology*; Dr. Rosimeiry Portela, Conservation International, USA; and Dr. Britaldo Silveira Soares-Filho, Federal University of Minas Gerais, Brazil.



Post-conference field trip to Conguillio National Park in southern Chile. (Photo: local organizers)

Delegates had a productive exchange and discussion on forest and landscape ecology whilst they enjoyed their stay in a global biodiversity hotspot. This Conference provided an important impact in a place like southern Chile where forests compose and shape the landscapes. The next meeting of the IUFRO-LE working party will be in Estonia, 2015.

by **Cristian Echeverria**, Chile, **Louis Iverson**, USA and **Sandra Luque**, France



## NEW MASTER OF SUSTAINABLE FOREST MANAGEMENT

- a master's program for natural resources professionals.

The course-based Master of Sustainable Forest Management (MSFM) is designed for graduates of science-based bachelor's programs and provides advanced study in natural resource stewardship. It is a one-year program at the University of British Columbia, Vancouver Campus. It begins in August with 2 weeks of classes and field work at one of our research forests.

Program components include:

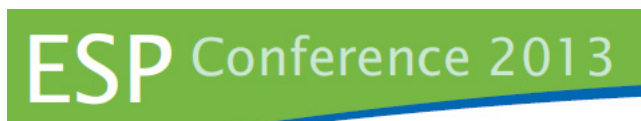
- tree and stand dynamics
- forest to landscape: structure and function
- forest management
- economics and administration of forestry
- leadership skills: communication and critical reasoning
- information acquisition and analysis
- professionalism and ethics

University of British Columbia, Faculty of Forestry  
More information: [www.cbm.forestry.ubc.ca](http://www.cbm.forestry.ubc.ca)

## 6th ANNUAL INTERNATIONAL ESP CONFERENCE 2013

26–30 August 2013, Bali, Indonesia

The emphasis of this sixth international Ecosystem Services Partnership ([ESP](#); IALE collaborating organisation) conference will be on the practical application of the 'ecosystem services' concept in planning, management and decision making illustrated with actual case studies.



The program consists of a mix of plenary sessions, workshops (organized by the ESP working groups),

open-topic sessions (proposed and organized by participants) and special sessions devoted to specific topics proposed by the collaborating organizations and sponsors.

A mid-conference excursion will provide the opportunity to observe and discuss the application of ecosystem services in practice at selected field sites. A summer school is planned on 'practical tools for assessing ecosystem services' around the dates of the conference.

Deadlines:

- 1 March 2013: Deadline for submission of workshop ideas (by ESP members)
- 1 May 2013: Deadline for submission of abstracts (for all types of sessions)
- 15 June 2013: Deadline 'early bird' registration

For more information on the program, fees and registration see [www.espconference.org](http://www.espconference.org)

by **Benjamin Burkhard (ESP Secretary)**

## ECSA 53: ESTUARIES & COASTAL AREAS IN TIMES OF INTENSE CHANGE

13–17 October 2013, Shanghai, China

The fast economic growth and related human activities in China during the last few decades are dramatically influencing the environment, from river catchments to estuaries and seas; and natural phenomena further amplify these effects. One of these rapidly changing systems is the Yangtze estuary, with Shanghai, the largest city in China, located close to it. The Yangtze is the 3rd largest river in the world, and constitutes an excellent case study for large scale impacts on ecosystems due to human activities and an excellent place for one of the major global events in 2013.

For more information, deadlines and registration see <http://www.estuarinecoastalconference.com/>

by **Xiuzhen Li (Secretary SKLEC-ECNU)**

## NEW BOOK: "RESILIENCE AND THE CULTURAL LANDSCAPE: UNDERSTANDING AND MANAGING CHANGE IN HUMAN-SHAPED ENVIRONMENTS"

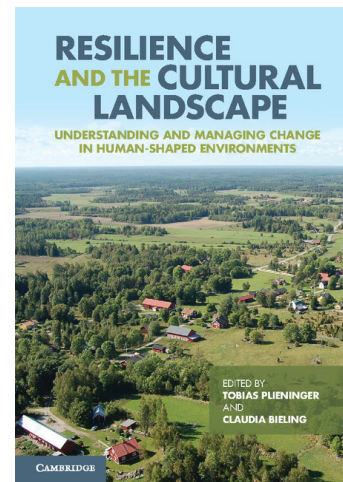
All over the world, efforts are being made to preserve landscapes facing fundamental change as a consequence of widespread agricultural intensification, land abandonment and urbanisation. The 'cultural landscape' and 'resilience' approaches have, until now, largely been viewed as distinct methods for understanding the effects of these dynamics and the ways in which they might be adapted or managed.

This book brings together these two perspectives, providing new insights into the social-ecological resilience of cultural landscapes by coming to terms with, and challenging, the concepts of 'driving forces', 'thresholds', 'adaptive cycles' and 'adaptive management'. By linking these research communities, this book develops a new perspective on landscape changes. Based on firm conceptual contributions and rich case studies from Europe, the Americas and Australia, it will appeal to anyone interested in analysing and managing change in human-shaped environments in the context of sustainability.

For more information see:

[www.cambridge.org/9781107020788](http://www.cambridge.org/9781107020788)

by Tobias Plieninger & Claudia Bieling (Book editors)



### Bulletin Deadline

Vol. 31 no.1: March 31, 2013

PLEASE: Send your contributions to the  
Bulletin Editor Benjamin Burkhard  
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The IALE Bulletin is distributed several times a year to the members of IALE. IALE - the International Association for Landscape Ecology was founded in 1982 to promote communication between scientists, planners and interdisciplinary scientific research. IALE Executive Committee:

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