



IALE BULLETIN

New IALE Working Group: Spatial Analysis of Organisms in the Environment

In natural ecosystems, organisms are distributed due to environmental conditions, disturbances, and interactions with their conspecific and heterospecific neighbours. The relationship between species and their environment and interactions such as competition, facilitation, and regeneration may create different types of spatial distributions of species in an ecosystem. The spatial arrangement of organisms can be represented by point patterns where each point stands for the mapped location of an individual organism in a given area.

Spatial ecology deals with the spatial distribution of organisms and a general objective of spatial analysis is to reveal the relationship between observed spatial distributions of species and the mechanisms underlying these spatial distributions. The recent advances in analysing spatial patterns of organisms in spatial ecology have greatly contributed to better understanding the distribution of organisms in space and time.

A prerequisite for exploring the ecological information provided by spatial distributions of organisms is to precisely describe the spatial structure of point patterns with statistical methods. Over the past decades, statisticians have developed structurally different summary statistics for this purpose. Moreover, rapid advances in computer science and technology have resulted in an increased application of spatial statistics. In addition, development of remote sensing and geographic information system (GIS) technology has led to the identification of spatiotemporal patterns of organisms and has increased the possibility to identify how human activities have influenced animal and plant habitats. Consequently, ecologists have started to introduce spatial variation and complexity of ecosystems into their analyses, including changes of spatial patterns over time.

Therefore, the working group "Spatial Analysis of Organisms in the Environment" started by a graduate initiative in the IALE-Iran can serve as a forum to develop

application-specific approaches for the use of spatial analysis in ecological studies. The working group will perform the following work:

- Reveal the importance of the topic and increase the application of spatial analysis among scientists working on ecological dynamics and processes in terrestrial ecosystems
- Organize symposia at IALE World or regional meetings where we can explore opportunities for joint research projects between statisticians and ecology scientists.
- Set up workshops on related topics (e.g., application of MATLAB, ArcGIS, and R Software such as "Spatial Statistics Tools" in ArcMap and "SPATSTAT" package in R to different topics of spatial ecology)
- Develop and prepare publications (e.g., special issues in journals, booklets) directly focusing on the topic

Cape gannet colony at Lamberts Bay, South Africa (©Photo: Benjamin Burkhard 2015)



The Iranian chapter of IALE is going to hold the 2nd International Conference of IALE-Iran in October 2016 (The 1st International Conference of IALE-Iran was held in October 2013). The IALE-Iran highly supports the WG to do the following activities in the conference:

- set up a workshop on spatial analysis of plant ecosystems using R Software
- develop a special issue of Iranian Journal of Applied Ecology (IJAE) focusing on spatial analysis of terrestrial ecosystems

Moreover, we plan to invite colleagues or the members who are interested to participate in the conference and present their achievements by giving lectures or conducting workshops.

The widespread application of spatial analysis in ecological studies makes it possible to consider special parts in IALE World Congresses or related topics in IALE Annual Conferences and prepare special issues to be published by technical journals (e.g., Ecological Modelling, Spatial Statistics).

List of initial WG members:

Yousef Erfanfard, PhD (the WG leader)
Dept. of Natural Resources and Environment, Shiraz University,
Shiraz, Iran

Sima Fakheran, PhD (the president of IALE-Iran)
Dept. of Environmental Sciences, Faculty of Natural Resources,
Isfahan University of Technology, Isfahan, Iran

Arne Pommerening, PhD
Dept. of Forest Resource Management, Faculty of Forest
Sciences, Swedish University of Agricultural Sciences SLU,
Umea, Sweden

Joachim Saborowski, PhD
Dept. of Ecosystem Modelling, University of Goettingen,
Goettingen, Germany

Hong Hai Nguyen, PhD
Faculty of Silviculture, Vietnam Forestry University, Hanoi,
Vietnam

All interested colleagues are warmly welcome to contact:

Yousef Erfanfard
(erfanifard@shirazu.ac.ir)

IALE FINANCIAL REPORT FOR 2015

The administrative management of the IALE finances for 2015 has been monitored systematically. The initial (€ 7,485.03) and the final budget (€ 23,243.03) highlight a positive balance of € 15,758.00. In particular, the income is related to membership fees, with a high contribution given by the individual fees (€ 5,148.63), probably due to the 2015 World Congress. In addition, this year we have received a donation of WSL Switzerland from € 5,000. Total IALE 2015 expenses resulted in € 10,338.85. However, at the moment we have not refunded the 2015 early registrations provided by IALE Europe and by the following IALE Regional Chapters: Germany, Denmark, Italy, and Czech Republic. These costs will be charged on the 2016 balance. This late refund has been due to the closure of the German account, in order to avoid the administrative costs for two bank accounts.

Therefore, since 2016 the only official bank account will be ING Bank N.V., Postbus 94780, 1090 GT AMSTERDAM, The Netherlands, see the IALE web-page for details.

In addition, since August 2015 the Bulletin Editor is unable to cover the costs needed for the Bulletin preparation from other sources, resulting in additional expenses. However, the IALE Executive Committee has continued to use Skype calls to manage the society in order to save costs. In any case, due to the good 2015 balance, we have about € 15,000 available for proposals to support young scientists travel, new chapters, and working groups. Finally, I'd like to publically thank Ralf-Uwe Syrbe for his help and for his suggestions given his long experience in managing IALE finances.

by *Irene Petrosillo* (IALE International Treasurer)

Item	€ In / Out
Start	7,485.03
Income	26,096.85
Chapter fee 2015	12,023.65
Individual fee 2015	5,148.63
Late fee 2014	3,698.34
Interests	226.23
Donations	5,000.00
Expenses	10,338.85
Subscriptions to Landscape Ecology	3,444.75
Directory	2,228.00
Administration costs	2,609.33
Congress travel support	1,500.00
Balance	15,758.00
End	23,243.03
Budget available for reservations	15,758.00

US IALE Congress 2016

Greetings from Asheville!

The *US-IALE 2016 Annual Meeting* will be held April 3 - 7, 2016 at the Asheville Renaissance Hotel in Asheville, North Carolina. Make plans now to join other landscape ecology practitioners, professionals and students! The theme of the meeting will simply be "Landscape Change." With this simple zen-like theme, we strive to capture the defining characteristic and the inherent nature of our modern world in the Anthropocene epoch. Program highlights will include plenary sessions with featured speakers, symposia and contributed papers, in-depth workshops on key topics, field trips, and networking events!

Organized by: the Eastern Forest Environmental Threat Assessment Center and the Southern Research Station of the USDA Forest Service.

Local Organizers: *William W. Hargrove*, Ph.D., Research Ecologist (Co-

Chair); *Kurt Riitters*, Ph.D., Research Ecologist & Team Leader (Co-Chair); *Danny C. Lee*, Ph.D., Center Director; *Steven P Norman*, Ph.D., Research Ecologist; *Stephanie Worley-Firley*, Biological Science Information Specialist

Venue: The host hotel, the Asheville Renaissance Hotel, is one of the most centrally located Asheville, NC hotels and is just minutes away from Biltmore Estate and the Blue Ridge Parkway.

www.renaissanceasheville.com

US-IALE fosters landscape ecology in the United States, providing a link among practitioners in landscape ecology in the U.S. and the international community, and promoting interdisciplinary research and communication among scientists, planners, and other professionals concerned with landscape ecology.

Thank you to our sponsors!



2016 SIEP-IALE International Congress and Call for abstracts

Challenges of Anthropocene and the role of Landscape Ecology
ASTI 26-28 MAY 2016

FIRST ANNOUNCEMENT

For the first time in the history of the earth, a single species, that of humanity, is acting as a powerful evolutionary force in seeking to adapt the environment to its needs. Humans are the leading agents in global changes, and must assume responsibility for these transformations. These pose difficult but also stimulating challenges, where the Anthropocene, as an unique phase in the history of the earth, opens many new possibilities.

SIEP-IALE has addressed the contradictions of global changes since its 2004 conference „Planning for Uncertainty.“ In the current proposed Congress we intend to compare these anew in the form of specific challenges that must be recognized, interpreted, collected and addressed.

Tangible challenges, including climate changes and their landscape impacts from the urban at one end of the spectrum to the natural at the other; biodiversity loss, even as projects for ecological networks are being implemented; biological invasions and disturbance regimes; exceeding the limits of resource use, with a corresponding intensification of pressures altering the ecosystems functioning and threatening the landscapes health and their populations; new processes of urbanization causing the concentration of human population in cities and uncontrolled urban growth as well as the depopulation of large mountainous and hilly regions.

Intangible challenges are mostly related to cultures: from the cultural mix faced by multiethnic cities, requiring urban landscapes capable of adapting to new conditions, to the overarching theme of

the urban culture who has little interest in countryside and nature but who also decides its fate.

The accelerating landscapes formation and transformation and the consumption of primary resources caused by human activities generates further uncertainty that undermines the reliability of predictions, plans, or programming.

The extent of human control and the complexity of urban-technological systems continue to increase, requiring an ever more refined system of management and process governance.

The landscape integrates and restores the effects of all the individual transformations that occur by human or natural causes. For this reason Landscape Ecology offers the ideal means to identify ways to answer to the challenges of managing a context with a constantly accelerating dynamic.

The Congress underscores the challenges and seeks responses to a series of questions:

- Climate changes: beyond the ongoing effort to reduce greenhouse emissions, is it more strategic to take a technological or an adaptive approach?
- The human population grows, diversifies, and concentrates in cities: what sort of urban landscapes can be predicted for a resilient city with regard to environmental, social, and economic needs?
- Depopulated areas, ecosystems with new dynamics and decreasing biodiversity: what can be anticipated in terms of wilderness for the natural and cultural landscapes in the future?
- The conservation of primary resources in a highly dynamic and increasingly impoverished world: how to make the best value of the resources?
- Monitoring and managing change: what are the methods and adaptive tools that respond to the need to plan for uncertainty?

We are planning to publish an Extended Book of Abstract (ISBN) and to select the best papers for a Special Issue in a Peer Review Scientific Journal.

Deadline for Abstract submission is 19 February 2016

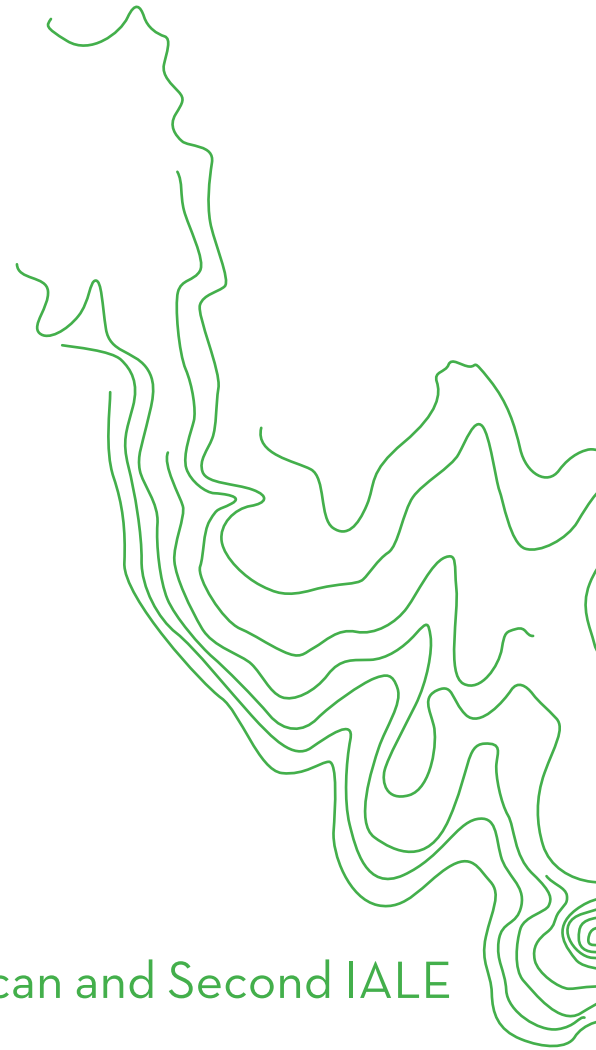
INFO AND CONTACTS: info@siep-iale.it

ABSTRACT SUBMISSION

The Scientific Committee invites the submittal of abstracts for either oral or poster presentations.

Deadline for Abstract submission is 19 February 2016

Please find more information about the abstract submission process and abstract preparation guidelines on the congress website: <http://www.siep2016.eu/call-for-abstract-en.html>



IUFRO Landscape Ecology Latin-American and Second IALE Latin-American Congress

28 November to 02 December 2016, Temuco, Chile

Congress call

The group of landscape ecology belonging to IUFRO (International Union of Forest Research Organizations) (IUFRO 8.01.02 Working Party on Forest Landscape Ecology) and IALE (International Association of Landscape Ecology), in conjunction with the University of La Frontera and the Catholic University of Temuco invited to participate at the Latin American Congress of IUFRO Landscape Ecology and the Second Latin American Congress of IALE to be held in the city of Temuco (Province of Cautín, Chile) from November 28 to December 2, 2016, under the theme:

“Bringing our society to the nature: conservation, management and restoration of multi-functional landscapes”

The event aims to foster communication and exchange of experiences and knowledge in technical and scientific, methodological and practical aspects relating to conservation, management and restoration of natural landscapes throughout Latin America. The event will serve as a platform for institutions, professionals, researchers and students interested in landscape ecology to interact and share experiences on current research topics, practical experiences and policy implementation.

The call for abstracts is now open until 1st of July 2016. The presentations will be evaluated for the Scientific Committee and the decision will be available at the beginning of August 2016 for their check of final acceptance.

Please find more information at the Congress website: www.iufrole2016.ufro.cl

Contact Organization
iufroiale2016@gmail.com

Stay up to date using Landscape Online Conference Tweet.

ISSN:1865-1542

Landscape Online
open access peer reviewed

Since 2007, IALE Germany provides the international, peer-reviewed, and open access online journal www.LandscapeOnline.de. The focus lies on contributions on landscape research with inter- or transdisciplinary aspiration. Landscape Online is meanwhile indexed by many literature search data bases. Since 2012 it is also listed in the Scopus literature database by Elsevier, the largest citation and abstract data base for scientific publications.

Since this year, Landscape Online offers a new service to all IALE chapters. IALE chapters can announce their own conferences with international relevance at the *Landscape Online Conference Tweet* – a new service, *announcing international scientific conferences with relevance to landscape ecology and research*.

Furthermore, you are able to *implement the Landscape Online Conference Tweet on your own chapter website*. Therefor you simply need to add the code of a widget in your website. Furthermore you can modify and adjust the look and feel of the widget individually (f.i. size, colors), fitting best to your chapters website.

If you want to see how it works in real time please have a look at the website of IALE Germany: www.iale.de/en/veranstaltungen.html

If you are interested implementing the Landscape Online Conference Tweet on your chapter website, if you want to add a conference to the Landscape Online Conference Tweet or if you have any further questions please contact **Werner Rolf**: management@landscapeonline.de

Currently the following events are listed at the *Landscape Online Conference Tweet*:

5th LE:NOTRE Landscape Forum | 16-20 March 2016 | Paphos, Cyprus | forum.ln-institute.org

53rd IFLA World Congress: Tasting the Landscape | 20-22 April 2016 | Turin, Italy | www.ifla2016.com

Ecological Modelling Global Conference | 8-12 May 2016 | Towson, MD, USA | isemconference.com

1st International Conference on Citizen Science | 19-21 May 2016 | Berlin, Germany | www.ecsa2016.eu

Ecosystem Services – Landscape Ecology Integrative Role | IALE Poland conference | 22-24 June 2016 | www.py.wgssr.uw.edu.pl/landscape

Eco Summit 2016 | Ecological Sustainability | 29 Aug - 1 Sep 2016 | Montpellier, France | www.ecosummit2016.org

150 years of ecology – lessons for the future | Annual Meeting of GfÖ | 5-9 Sep 2016 | www.gfoe-2016.de

European Ecosystem Services | 19-23 Sep 2016 | Antwerp, Belgium | www.esconference2016.eu

World Congress: Silvo-Pastoral Systems | 27-30 Sep 2016 | Evora, Portugal | www.silvopastoral2016.uevora.pt

IUFRO 125th Anniversary Congress | 19-22 Sep 2017 | Freiburg, Germany | www.iufro2017.com

“Concepts and methods for ES assessment – connecting actors”

Workshop of the IALE-D working group “Ecosystem Services” at Christian-Albrechts-Universität zu Kiel, 10-11 March 2016

The workshop started with three informative input presentations on publishing scientific articles (by Felix Müller, CAU Kiel), on the state of the art of the ESMERALDA project (by Benjamin Burkhard, CAU Kiel), and on the development of national ecosystem services indicators (by Ralf-Uwe Syrbe, IÖR Dresden). Ten young scientists from institutions in Bonn, Dresden, Garmisch-Partenkirchen, Hohenheim, Nürtingen, Kiel, Warnemünde/Klaipeda and Berlin joint the interactive workshop and discussed on

current topics of the ecosystem services concept and their own project work (incl. projects on ecosystem service assessments in terrestrial, freshwater and coastal/marine ecosystems).

The workshop aimed at the identification of current methodological challenges in the work with the ecosystem services concept, as perceived by the young scientists. With the help of short project presentations, mind-mapping exercises, and discussion sessions, we worked on a common understanding of rating

systems for ecosystem services. During the discussions, we developed an approach, how to manage re-scaling of different data sets for sound and comparable assessments and finally for decision support in planning and policy-making.

The results of the workshop will be presented and further discussed at the IALE-D annual conference, which will take place on the island of Rügen, Germany (**12-14 October, 2016**). Also, a contribution for the IALE-D journal “Landscape Online” and its living special issue on concepts and

methods for ecosystem service assessments is in progress.

We would like to give our sincere thanks to IALE Germany, who supported the participation of the young scientists! Many thanks also to our very active participants; we are looking forward to our next meeting and ongoing cooperation.

by *Marion Kruse* (mkruse@ecology.uni-kiel.de) and *Susanne Frank* (Susanne.Frank@uni-bonn.de)



Group picture of IALE-D working group workshop in March 2016 in Kiel, Germany, © CAU Kiel

Landscape ecology should be more visible at the Global Landscape Forum

We had the opportunity to attend the 2015 Global Landscapes Forum (GLF) in Paris and this experience drew questions about the place of landscape ecology in the current discussions about climate change and development. These forums combines into one event two of the world's most influential annual conferences on the role of forests and agriculture in mitigating and adapting to climate change: Forest Day and Agricultural and Rural Development Day. Held alongside the UN climate negotiations, these forums create a platform for positioning landscapes in the new international agreements on climate and sustainable development. Moreover, after Warsaw (2014, COP19) and Lima (2015, COP20), an invitation-only expert symposium was held in London (June 2015), involving experts on public and private finance to discuss opportunities and barriers to sustainable landscape investments. Finally, the third GLF held in Paris last December (2015, COP21) gathered together more than 3,200 participants. They came from all around the world and from all parts of the society: farmers, scientists, NGO's, entrepreneurs, and even bankers. Stakeholders, researchers, investors and donors had a vibrant debate on how best to meet the new Sustainable Development Goals (SDGs), with plenty of presentations where landscape was one of the most frequent keyword. Transcending sector-based approaches and enhancing

the integrated landscape management were clearly pointed out as the heart of the intertwined challenges associated with climate and development.

Surprisingly, despite this very strong focus on landscape scale and its relevance for many serious topics, landscape ecology as a science was very rarely cited and acknowledged. Landscape sciences was more often used as if landscape ecology was not sufficient to encompass all the questions they wanted to tackle. At the end of the forum, we wondered why such situation, why the frameworks, methods and tools provided by landscape ecology are not more mobilized to help in problem solving?

At least, it would be probably useful for IALE to follow these events and to see how our association could be represented as a contributor in the debates. But this would probably not be sufficient. Our feeling was that landscape ecology has things to say, but also things to hear from sibling social movements who explore other dimensions of our objects of study. Our landscape is probably not exactly the same as the landscape used by the participants of these forums. One key difference lays in the place acknowledged for humankind. In many landscape ecology studies, people are a secondary component of landscapes while in many presentations during the forum, people were in the foreground and

landscape was a resource and a production for and of their activities. One consequence of this point of view is that there were not one unique way for describing landscape, it was socially dependent. In landscape ecology we look for invariant properties from spatial patterns, while in the forum, the same patterns were not perceived the same way by different people, according to their culture, needs, social position.

We have learnt a lot from this forum. The scope of landscape ecology needs definitively to be enlarged and the next GLF could be a good opportunity to confront our approaches to others who try more pragmatic and human centered approaches.

More information can be found here: <http://www.landscapes.org/glf-2015/> by Marc Deconchat (INRA Castanet Tolosan, France) and Davide Rizzo (Institute of Life Sciences Pisa, Italy)



Regional ESP Conferences in 2016

The Ecosystem Services Partnership (ESP) Conferences in 2016

The Ecosystem Services Partnership (www.es-partnership.org) will organize several conferences in 2016 focusing on the use of the ecosystem services concept in policy and practice to find 'nature based solutions' for pressing environmental and socio-economic problems in Asia (organized in South Korea, *30 May-3 June*), Europe (in Antwerp, Belgium, *19-23 Sept.*), Latin America (*14-18 November* in Brazil or Colombia), Africa (in Kenya, *21-25 November*) and N. America, together with ACES (in Florida, USA, 5-9). See www.es-partnership.org/esp/79104/5/0/50 for further information.

Asian conference on Ecosystem Services for Nature Based Solutions (*30 May-3 June*, S. Korea).

From *30 May – 3 June 2016* the Korean network on Ecosystem Services (KESNET), together with the Ecosystem Services Partnership and many Asian partners, will organise a training (*30-31 May*) and conference (*2-3 June*) to „Reconnect People with Ecosystems to achieve Nature-based Solutions for Environmental and Socio-economic Problems“ in Ansan City, S. Korea (see: www.esconference.org/asia2016). More than 15 Countries will be represented and engage in over 15 Thematic Workshops. Please join the conference to share ideas, find partners and discuss future collaboration and establish an Asian Ecosystem Services Network !

European Ecosystem Services Conference (*19-23 September*, Belgium)

From *19-23 September 2016* the European Ecosystem Services Conference ‚Helping nature to help us‘ will take place in Antwerp, Belgium (www.esconference2016.eu). The conference is organized by several EU funded research projects (OPERAs and OpenNESS), ECOPLAN and the Ecosystem Services Partnership (ESP), and hosted by the University of Antwerp. It will be the biggest European event in 2016 that links science, policy and practice on ecosystem services and natural capital.

The Latin American Conference

will be organised from *October* in Cali Colombia.

Email: m.quintero@cgiar.org

Africa conference on Ecosystem Services (*21-25 November*, Kenya)

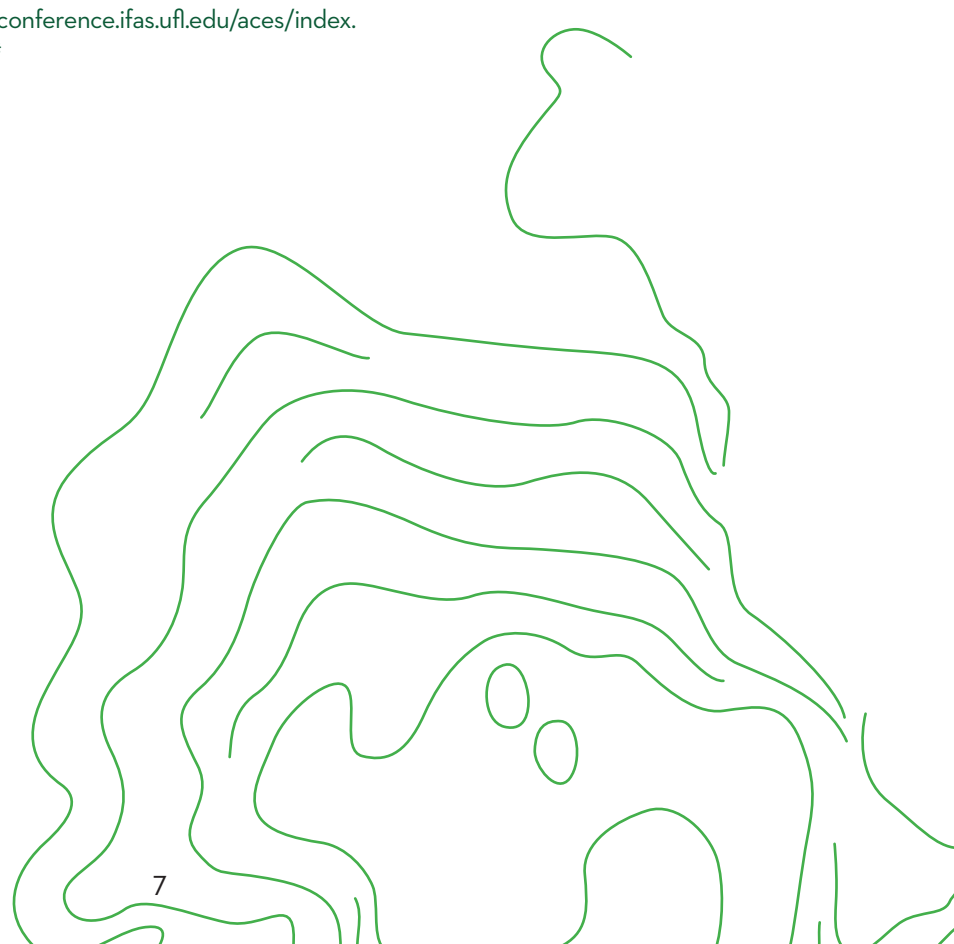
The African ESP Regional conference will be held in Kenya, *21-25 November 2016*.

Chair of the National Organising Committee is Dr. Peter A Minang, Science Domain Leader, Environmental Services with ICRAF. Email: a.minang@cgiar.org

ACES and ESP conference on Ecosystem Services (*5-9 December*, Florida, USA)

ACES: A Community on Ecosystem Services represents a dynamic and growing assembly of professionals, researchers, and policy makers involved with ecosystem services. The ACES 2016 Conference brings together this community in partnership with Ecosystem Markets and the Ecosystem Services Partnership (ESP), providing an open forum to share experiences, methods, and tools, for assessing and incorporating ecosystem services into public and private decisions. Further information:

www.conference.ifas.ufl.edu/aces/index.html#





IFLA 2016

53rd IFLA WORLD CONGRESS
INTERNATIONAL FEDERATION
OF LANDSCAPE ARCHITECTS
APRIL • 20th - 22nd • 2016 • TURIN • ITALY

TASTING THE LANDSCAPE

53rd IFLA WORLD CONGRESS
Turin, April 20th - 22nd 2016

Putting the landscape, its care and its transformation at the center of the environmental and cultural debate in Italy and throughout the world. In fact, the landscape is an integral part of the development of a country: it improves the quality of life, makes its regions more attractive and thus favors their economic development.

This important objective was the starting point for organizing the 53rd IFLA (International Federation of Landscape Architects) World Congress, which will be held in Turin, Italy, from April 20th to April 22nd, 2016.

The theme chosen for the congress is *Tasting the Landscape*, understood according to the experiential, sensory and metaphoric meanings held within the word "taste": meanings that go back to the sensory dimension of places, and that invite us not to forget the emotional and perceptive aspects of the landscape. This chosen title places emphasis on the landscape project as an instrument that produces quality, well-being, resources, and common assets as well as on the central role of the landscape professional in the processes of restoration and regeneration

of places and regions. As the focus of our studies, we have chosen the peri-urban area, that is, that place at the border between the city and the countryside where the majority of the sustainability challenge for the city of the new millennium plays out.

The congress is organized by *AIAPP – The Italian Association of Landscape Architecture*, representing IFLA in Italy, in collaboration with the *City of Turin*.

Hashtag **#IFLA2016**

www.ifla2016.com
info@ifla2016.com

Facebook: IFLA2016 Torino
Twitter: @ifla2016
LinkedIn: IFLA016 – Tasting the Landscape



Nature & Culture: Heritage in Context

7th Annual Conference on Heritage Issues in Contemporary Society

May 16-19, 2016
Prague, Czech Republic

The dichotomy between nature and culture in heritage conservation has often seemed like an either/or proposition. But in recent years, heritage designations at the international, national, regional and local levels are beginning to reflect the fact that nature and culture are indivisible. This is true for the application of all of heritage's associated disciplines: landscape, architecture, archaeology, folklore, ethnobotany, history, ethnography, planning, agriculture and public health, just to name a few. In fact, there is probably no discipline in the humanities, social or natural sciences that is not affected by either culture, nature or, more often, both.

What this means for researchers and professionals is a necessity for inter- and multi-disciplinary conservation and preservation efforts. Gone are the days when heritage professionals can oppose ecological conservation efforts – and vice versa – without significant effects to the resources. On the other hand, increased efforts to achieve the conservation of integrated natural and cultural systems will result in higher adaptability and resilience, critical outcomes in the era of climate change.

This three-day conference is the 7th in a series of annual conferences exploring the relevance of heritage in present-day society. This year's conference is sponsored by the Center for Heritage & Society at the

University of Massachusetts, in conjunction with the Faculty of Environmental Sciences at the Czech University of Life Sciences. The Czech Republic is a particularly appropriate location to explore these themes since both nature and culture are an integral part of Czech culture and society.

The Conference explores this link between nature and culture in an interconnected series of events designed to highlight different ways of thinking about heritage, nature and their interface. The event will include a three-day scientific symposium, organized field trips to explore key cultural and natural heritage sites, and a juried film and photograph exhibition. For all questions about the conference, please email us at conference.chs@umass.edu

Nordic Water 2016

8-10 August 2016, Kaunas, Lithuania

“The Role of Hydrology Towards Water Resources Sustainability” is a conference series focused on water resources, hydrology and related sciences. The conference will bring together scientists to discuss about recent trends in water research and water resources management. The XXIX Nordic Hydrological Conference will be held at the Vytautas Magnus University, Kaunas, Lithuania.

CONFERENCE SUB-THEMES:

1. Hydrological implications of climate and environmental change.
2. The role of hydrology on terrestrial ecosystems and greenhouse gas emissions.
3. Advanced methods and technology in hydrological modelling.
4. Agricultural, forest and urban green water management.
5. Interactions between surface and groundwater.
6. Hydrology and EU water policy with special focus on water quality and flood risk management.
7. Water ecology and restoration of disturbed water ecosystems.
8. Hydropower and the use of water resources (renewable energy sources).

FEES AND REGISTRATION:

Participants who wish to give a presentation (oral or poster) must submit an abstract. The abstracts must be formulated according to the template.

We warmly invite you to Kaunas, Lithuania, for Nordic Water 2016 !!!

Conference website: www.lei.lt/nordicwater2016/Conference
 e-mail: diana.meilutyte-lukauskiene@lei.lt

One Ecosystem Journal: Innovation in ecology and sustainability research publishing

Focused on the fields of ecology and sustainability, **One Ecosystem** is an innovative open access scholarly journal that goes beyond the conventional research article publication. Launched in January 2016, the new journal is now open for submissions ranging across the **entire research cycle**, including data, models, methods, workflows, results, software, perspectives and policy recommendations.

Ecosystem services, Ecology and Sustainability are research areas that address highly relevant scientific and societal topics. One Ecosystem aims to respond to the newest developments in scholarly publishing, adapting them for and applying them to these fields.

The journal offers a wide set of article templates, including domain-specific ones, such as Ecosystem services mapping, Ecological models or Environmental monitoring, allowing scientists to publish and get credit for their work at any stage of the research cycle. Through the technologically advanced **ARPHA publishing platform** and innovative publishing model, all data that underpin a given study will be made free to everyone and integrated into relevant and domain-specific global data repositories.

„We need better incentives for scientists who want to share their data. One Ecosystem provides such incentives by linking peer review to open data“ adds Joachim Maes, European Commission - Joint Research Centre.

„We believe that open access to all the relevant products of the scientific cycle is key to both scientific advancement, and innovation in the real world. With One Ecosystem we aim at fostering open exchange of information to address sustainability challenges.“ - Deputy Editor-in-Chief Davide Geneletti, University of Trento.

Open access to content and data is quickly becoming the prevailing model in academic publishing and research funding schemes. By making research outputs public, the new journal opens up new mechanisms for integration of information, collaboration, appraisal, and dissemination. Committed to openness and innovation, One Ecosystem offers a novel community-based peer-review introduced for the first time in these academic disciplines. The journal gives authors and reviewers the opportunity to opt for an entirely open review process.

Making use of the unique **ARPHA Writing Tool**, One Ecosystem does not only enable authors to prepare their manuscripts directly within the system, but also allows to submit pre-submission reviews from the very start. These reviews or supporting statements from experts in the subject will facilitate the manuscript evaluation and speed up the publishing process.

„With One Ecosystem we want to accelerate scientific progress in the frontier research fields of ecology and sustainability. We are convinced that this new format of writing, reviewing and open access publishing of scientific findings is the future“, explains the Editor-in Chief of One Ecosystem - Benjamin Burkhard, University of Kiel.

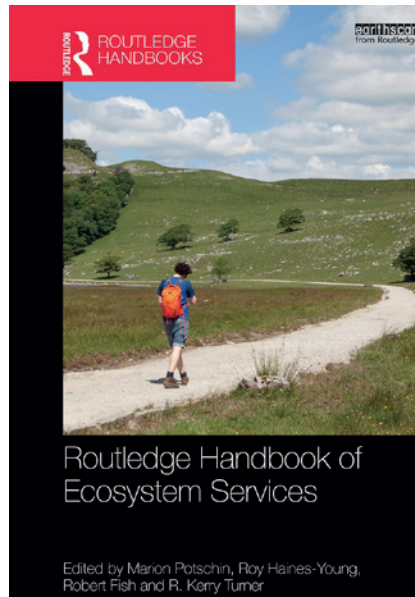
Submit your research work here: www.oneecosystem.pensoft.net/



The Handbook of Ecosystem Services is now published

The Routledge Handbook of Ecosystem Services, edited by Marion Potschin, Roy Haines-Young, Rob Fish and Kerry Turner is now published. The volume included input from people in the IALE community who contributed chapters on Indicators for Ecosystem Services, Mapping Ecosystem Services, and Ecosystem Services in the Mediterranean Basin, Forrest ecosystem Services and several other topics.

The book contains over 50 chapters and seven briefing notes, and spans the spectrum of ecosystem issues from concepts, methods through to applications. In his forward Sir Robert Watson, Professor of Environmental Sciences, at the University of East Anglia in the UK wrote: *“This handbook, written by world-class academic and policy experts, is long overdue, and provides a much-needed guide to address this challenge. It is an authoritative reference text written in easy to read sections that is essential reading for academics, decision-makers and civil society.”*



If you would like to buy a copy or encourage your library to do so, a discount is available by using the code in the flyer attached.

For more information see: www.routledge.com/products/9781138025080

We are especially looking for people willing to write a review on the book. If you are interested, e.g. chairs of regional chapters please get in touch with Marion.Potschin@Nottingham.ac.uk and Benjamin Burkhard (IALE secretary) at bburkhard@ecology.uni-kiel.de

by *Marion Potschin*
(University of Nottingham)

New publication:

“Routledge Handbook of Ecosystem Services” edited by Potschin, M.; Haines-Young, R.; Fish, R. and K. Turner, 630pp. See: www.routledge.com/products/9781138025080



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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