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## LANDSCAPE EUROPE – Newsletter Issue No. 18 – November 2013\*

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### 1. **Introduction**

Dear LANDSCAPE EUROPE readers,

We would like to introduce you a new issue of the Landscape Europe Newsletter.

This issue starts with a summarising contribution from Peter Bezák (ILE SAS, Slovakia) about the Symposium “Collaborative research for the European Landscape Convention” that was organized within the IALE 2013 congress this September in Manchester, UK. The next contribution shortly describes an interesting NASA project that is mapping last 200 years of land use and land cover changes in the Carpathian Basin.

In the chapter of network news we are happy to introduce you our new partner and member of the LE-network the Swiss Federal Institute for Forest, Snow and Landscape Research (WSL) from Birmensdorf, Switzerland. Welcome.

In the Events part we would like to remind you some upcoming and interesting conferences (GI\_2014 Forum, 1<sup>st</sup> European Conference for the Implementation of the UNESCO-SCBD Joint Programme on Biological and Cultural Diversity, The challenge of the European Landscape Convention 2014, PECSRL 2014) and a course for PhD students and young scientists.

Following part offers you a selection from recent publications, recently published books and forthcoming books.

The newsletter is closed with a calendar of future events.

I hope you will find this issue of LE-newsletter an interesting reading.

On behalf of LANDSCAPE EUROPE, I wish you success in the upcoming period and looking forward to receive your comments and inputs for the future issue of the LE-newsletter.



**Jana Borovská and the ILE SAS team**

*Network coordination Office*

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\* This is the 18<sup>th</sup> Newsletter of LANDSCAPE EUROPE, the International Network of Expertise on the Landscape. You can find more information on LANDSCAPE EUROPE on our website: [www.landscape-europe.net](http://www.landscape-europe.net). Please feel free to forward the newsletter to other interested people in the broad field of landscape science that seeks to integrate natural, social and economic research. If you do so, please ask them to mail [jana.borovska@savba.sk](mailto:jana.borovska@savba.sk) with their contact information.

## 2. Contributions

### Collaborative research for the European Landscape Convention



#### Changing European Landscapes:

Landscape ecology, local to global

IALE 2013 European Congress • Manchester

Symposium was organised by Bas Pedroli (UNISCAPE) and Peter Bezak (LANDSCAPE EUROPE) within IALE2013 congress (9-12 September) in Manchester.

The symposium “Collaborative research for the European Landscape Convention” was held within IALE2013 congress and addressed issue of science-policy interaction in considering the opportunities of collaborative landscape research in planning and management.

Alltogether 6 contributions were presented:

- Landscape character mapping – collaborative, participatory process for the land and forest development and planning in Zanzibar Island (Tanzania)
- From landscape character assessment enhancements towards a policy issue. The regional landscape strategy in Azores, Portugal.
- Building a methodology and tools to make the European Landscape Convention popular through challenge, learning, innovation and cooperation
- Perception and use of landscape concepts in the procedure of Environmental Impact Assessment; case study – Switzerland and Romania
- Collaborative landscape research in Reunion Island: modelling and 'managing boundaries' to foster dialogue and knowledge integration
- Traditional agricultural landscapes: research contribution to a new common agricultural policy (2014-2020) in Slovakia

Presentations showed variety of methods of work with the stakeholders in different geographical conditions however reflecting objectives of the European Landscape Convention. At the end of the symposium organisers facilitated discussion between contributors and audience by the following questions:

- How can research influence landscape decision making?
- What are the necessary tools and procedures for genuine involvement of society in landscape research, and of knowledge (both lay and expert knowledge) in landscape governance?
- What kind of landscape expertise must be available to seriously enhance a desirable future of the European landscape? Contributors decided to communicate the targets and procedures discussed in the symposium in the common publication.

## 200 Years of Land Use and Land Cover Changes and their Driving Forces in the Carpathian Basin in Central Europe – a project of NASA Land-Cover

**Project duration:** 1 May 2011 – 30 April 2014

**Principal Investigator:**

Volker C. Radeloff, Department of Forest and Wildlife Ecology, University of Wisconsin-Madison, USA

**Project Partners:**

Institute of Environmental and Earth Sciences, University of West Hungary, Sopron, Hungary  
 Institute of Geography and Spatial Management, Jagiellonian University, Kraków, Poland  
 Institute of Landscape Ecology, Slovak Academy of Sciences, Branch Nitra, Nitra, Slovakia  
 Leibniz Institute of Agricultural Development in Central and Eastern Europe, Halle (Saale), Germany

Land-Use History Group, Swiss Federal Institute for Forest, Snow and Landscape Research Birmensdorf, Switzerland

Department of Geography, Humboldt-University Berlin

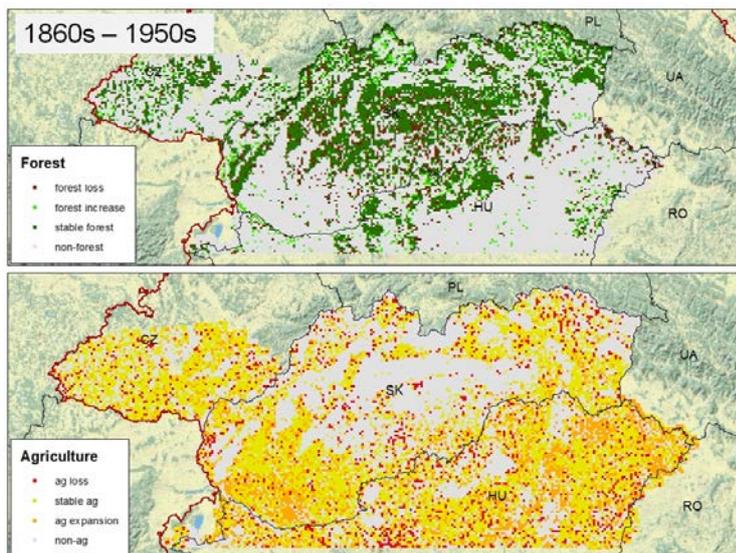
The project proposes to study long-term agricultural change in the Carpathian Basin (i.e., the Pannonian Plain and the Carpathian Mountains) in Central and Eastern Europe, a region that has experienced several major socio-economic transformations during the 19th and 20th centuries (i.e., WW I; the end of the Austro-Hungarian Monarchy; WW II; the rise and fall of socialism; and the eastward expansion of the European Union).

**Project goals:**

1<sup>st</sup> goal is to improve knowledge about long-term agricultural land use change by reconstructing historic land use change since the mid 1800s for a comprehensive sample of case study regions across the Carpathian Basin.

2<sup>nd</sup> goal is to quantify the rates and patterns of recent agricultural change from satellite imagery.

3<sup>rd</sup> goal is to understand the drivers of recent agricultural change.



Besides these scientific goals, the project will strengthen collaborations among American, Hungarian, Polish, Slovak, Swiss, and German scientists, and ensure maximum synergy among their research activities.

### 3. *Network news*

**Welcome to a new member of LE network :  
Swiss Federal Institute for Forest, Snow and Landscape  
Research – WSL**



WSL (Swiss Federal Institute for Forest, Snow and Landscape Research) is the newest member of Landscape Europe. The institute looks for ways to sustainably manage landscapes and forests for maximum benefit to people's quality of life. Researchers at WSL develop scientifically based solutions to handle the natural hazards that typically occur in mountainous countries, providing maximum protection at affordable costs. WSL research is internationally recognised, and provides the fundamental knowledge for sustainable environmental policies in Switzerland. WSL researchers develop methods for solving socially relevant problems together with partners in industry, in the wider scientific community, and in society. The research institute has close collaboration with institutes and universities in Switzerland and many other countries. There is a strong participation in the research programmes of the European Union. For years WSL has been carrying out research projects with partners in Eastern Europe. WSL employs about 500 people in Birmensdorf, Davos, Lausanne and Bellinzona. It has the following research topics:

#### ***Landscape research***

WSL monitors the present status of landscapes, and develops methods for observing, evaluating, and protecting Switzerland's valuable landscapes. This is a very important task for a country with a strong tourism industry. The energy transformation calls for sustainable energy landscapes where wind, solar and other renewables do not outcompete other landscape services.

#### ***Pollutants and climate change***

Depositions of airborne pollutants exceed the limits in many regions of Europe. WSL investigates how this affects plants, and how climate change affects vegetation and land use.

#### ***Biodiversity***

How is biodiversity affected by future land use and climate change? WSL develops mitigation strategies and investigates the important role of the Alps in the European biodiversity strategy.

#### ***Managing the forest***

Today's energy transformation shows that forest is a valuable resource for timber and raw material. WSL develops management options for sustainable use of forests in mountain regions. The knowledge is transferred around the world.

#### ***Avalanches, snow and permafrost***

WSL is well-known for avalanche and snow research at its facilities in Davos. Researchers investigate how avalanches start, how they sweep downhill, and what energies are involved. Daily bulletins informing about avalanche dangers are provided to tourism industries for natural hazards protection.

#### ***Torrents, rockfalls***

In addition to snow research, WSL monitors and investigates other natural hazards that might be increasing in frequency as the climate is warming.



*Text to Foto:* Lago Maggiore, Ascona and Locarno. Photo F. Kienast

In mountain landscapes we find steep gradients between intensively used land and abandonment. Sometimes the plots are only a few hundred meters apart. This requires special care and adapted management techniques. WSL is keen to develop and propagate them.

### Link to Landscape Europe

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## 4. Events

### Call for Papers – GI\_Forum 2014

**GI\_Forum 2014**  
July 1 - 4, 2014 | Salzburg, Austria

**UNISCAPE** EUROPEAN NETWORK OF UNIVERSITIES FOR THE IMPLEMENTATION OF THE EUROPEAN LANDSCAPE CONVENTION

EUROPEAN LANDSCAPE NETWORK International NGO enjoying Participatory Status with the Council of Europe

1-4 July 2014, Salzburg, Austria

**Abstracts online only from 1 December 2013 at [www.gi-forum.org](http://www.gi-forum.org).**

GI\_Forum is organized by the Department of Geoinformatics – Z GIS in cooperation with the Austrian Academy of Sciences and the German University of Technology in Muscat, Oman and runs concurrently with the highly regarded German language conference on Applied

Geoinformatics – AGIT. The two symposia share the innovative AGIT EXPO exhibit and stimulating social events.

The GI\_Forum 2014 provides a platform for dialogue among technologists and critical thinkers, GIScientists and educationalists in an ongoing effort to address these issues and thus support the creation of an informed GISociety. Bearing in mind different perspectives of these topics from a variety of professions, presentations, workshops and exhibitions will concentrate on innovations in technologies, science and education in the spatial domain and their possible contribution to a more just, ethical and sustainable society. **Prominent keynote** speakers will highlight new developments, offer insights into trends and visions, and at the same time be available for our **Young Researchers' Corner** for more individualised interaction with young researchers.

### Themes & Application Fields.

The GI\_Forum presents original research on innovations in the field of geospatial technologies across a range of scientific and technological domains. GI\_Forum solicits contributions in full paper and extended abstract versions in, but not limited to the following topics:

- Innovations in geospatial technologies
- Advances in GIScience
- Spatial technologies
- Monitoring Global Change
- Citizenship and education
- Education with digital earth
- Learning Environments in Primary and Secondary Education

### Submission

GI\_Forum 2014 gives authors choices about the type of submission they want to make in order to accommodate a variety of interdisciplinary contributions. Submissions must be in English language.



**Call for abstracts - Linking Biological and Cultural Diversity in Europe**

**1st European Conference for the Implementation of the UNESCO-SCBD Joint Programme on Biological and Cultural Diversity**

**8-11 April 2014, Florence, Italy**

**Deadline for abstracts: 15th December 2013**

In 2014, in the context of JP-BiCuD, a series of regional workshops and conferences will be organized in Europe and North America, Asia and the Pacific, Arab region, Africa and Latin

America and the Caribbean. The first conference will take place in Florence, Italy, to address the links between biological and cultural diversity from the European perspective.

### Key Topics

- Interactions between cultural and biological diversity and identification of linkages between cultural and biological diversity in the European context
- Historical development of biodiversity patterns associated with "natural" and "cultural" landscapes, including the interacting actors, factors and processes
- Traditional agricultural and forest management practices related to bio-cultural diversity
- Development of methods and approaches for the assessment of the links between biological and cultural diversity and the resulting "bio-cultural" diversity
- Development of integrated management strategies at landscape level
- Implementation of international, regional and national agreements dealing with cultural and biological diversity

### Criteria for selection

All abstracts will be reviewed and evaluated by members of the Conference Scientific Committee. Primary selection criteria include scientific quality, topical significance, and relevance to the Conference themes and to the particular topic to which the abstract is submitted.

A selection of papers will be offered to be published in a book with the publisher Springer Verlag. Conference organizers will explore alternative publication options as special issues of journals for papers and/or posters presented in their sessions.

**Registration:** the conference has no registration fee. The organization will provide conference materials, buffet and conference dinner at no cost. Participants are requested to pay for their own travel expenses and lodging.

**Link:** <http://landscapeunifi.it/en/unesco-cbd-eng>

**Course: Introduction to meta-analysis and research synthesis in ecology**

**7-11 April 2014, Coimbra, Portugal**

**Organizer:** IMAR-CMA and University of Coimbra

The course is directed to Ph.D. students, post-docs and researchers in biology or environmental science with basic statistical knowledge.

### Aims of the course:

This course aims to promote and facilitate the thoughtful and critical use of meta-analysis for research synthesis in ecology by:

- Explaining the principles and advantages of meta-analysis for research synthesis
- Demonstrating the range of applications of meta-analysis in ecology
- Promoting understanding of the assumptions and limitations of meta-analysis
- Providing firsthand experience in question formulation, data extraction, database design, use of software for meta-analysis and report preparation

**Link:** <http://www1.ci.uc.pt/imar/meta-analysis/index.php>



## COMBINING SCIENTIFIC EXPERTISE WITH PARTICIPATION: THE CHALLENGE OF THE EUROPEAN LANDSCAPE CONVENTION

**28-29 April 2014, Location: Université Libre de Bruxelles (ULB), Brussels, Belgium**

The adoption of the European Landscape Convention (ELC) in 2000 represents a major event in taking landscape into account at the European level. As of June 2013, 38 Council of Europe member states have ratified the Convention.

After more than a decade of practice, the Conference will be an opportunity for scientists who have been working in line with the ELC to present the tools developed and to reflect on their tangible, measurable and observable effects.

Landscape atlases e.g., as well as numerous studies provide policy makers and practitioners with a language and a common foundation. **The main practical question is how to understand the real scope of scientific inputs into landscape management.** The Conference will also be an opportunity to **examine how tools are developed in landscape characterization and how they can help to act in accordance with societal needs.**

### **Session Topics:**

#### ***Session 1 – Tools And Methodologies***

The ELC calls on signatories to identify and assess landscapes in their territories. The introductory session will discuss the type of tools developed and the scientific methodologies proposed. The session will be focused on the position taken by research institutes in framing this topic objectively, at different scales and with a plurality of approaches. What are those methods, their strengths and weaknesses? How can quality objectives be defined in evolving territories?

#### ***Session 2 – Contribution Of Historical Approach In Understanding Landscapes***

Landscape as perceived exists only through the eyes of populations, at a given moment. This

historical relativity takes its full meaning when this evolution is analysed on the basis of the changes in landscape planning. How can the study of this evolution and its interpretation be useful to landscape management or protection and meet the present and future generations' aspirations? What do we learn from our ancestors' achievements, and how can these be integrated into the current landscape management?

#### ***Session 3 – Contribution Of Population Testimonies While Constructing Landscape Decision Tools***

It is currently accepted that a comprehensive knowledge of landscapes cannot ignore the way they

are perceived by the inhabitants. The latter's knowledge (sometimes gained over generations) is a

precious source of information to elaborate management tools and help decision making. When and

how can this knowledge be integrated? Are there some "universal" decision tools that can be developed from such testimonies?

How can one combine those feelings with more systematic and measurable observations? Are

landscapes and testimonies in coherence? Which system of meaning are we setting up through these places lived, loved, hated or ignored?

#### **Session 4 – Lessons Drawn From More Than A Decade Of Practice**

Which lessons can be drawn about the real and tangible influence of the tools developed while studying landscape? How can their impact on the decisional sphere be assessed? How are landscape atlases used in territorial policies? Finally, the different types of appropriation of those tools, their use – also in education – and support for other types of research will be highlighted.

The conference languages will be English or French (no translation provided).

**Link:** <http://igeat.ulb.ac.be/en/elc2014>

**E-mail:** [igeatlandscape2014@ulb.ac.be](mailto:igeatlandscape2014@ulb.ac.be)



#### **PECSRL 2014**

The Permanent European Conference on the Study of the Rural Landscape

"Unraveling the Logics of Landscape".

**The conference will be held at two locations:**

- 1. Gothenburg, Sweden: 8-10 September**
- 2. Mariestad, Sweden: 11-12 September**

The Permanent European Conference on the Study of the Rural Landscape (PECSRL) is an international network of landscape researchers and a platform for new initiatives, meetings and publications with focus on the past, present and future of European landscapes, relating to landscape research, landscape policy and landscape management. The network meets every two years in different European countries for lectures, discussions, working groups and landscape excursions.

The leading topic for the 26th conference is: "Unraveling the Logics of Landscape". Despite conceptual oscillations through times, the concept of landscape remains highly subjective, whereupon unraveling its 'logics' opens up to a plurality of interpretations. Accordingly, by focusing on the interconnections present in the non-haphazard production of landscape, the conference will elaborate on how the rural landscape is valued, monitored, changed, harbored, used and misused, be it through actions, representations or metaphors. We hope to see you in Sweden to take part and share convictions, doubts and ideas on how to best unravel the complex logics of landscape.

Link: <http://www.pecsrl2014.com/>



UNIVERSITY OF GOTHENBURG



## 5. *Recent publications*

### Publications

Virve T. Ravolainen, Kari Anne Bråthen, Nigel G. Yoccoz, Julie Kollstrøm Nguyen, Rolf A. Ims, 2013: Complementary impacts of small rodents and semi-domesticated ungulates limit tall shrub expansion in the tundra. *Journal of Applied Ecology*, DOI: 10.1111/1365-2664.12180

van Asselen, S. and Verburg, P. H. (2013), Land cover change or land-use intensification: simulating land system change with a global-scale land change model. *Global Change Biology*, 19: 3648–3667. doi: 10.1111/gcb.12331

Martin, Y., Van Dyck, H., Dendoncker, N. and Titeux, N. (2013), Testing instead of assuming the importance of land use change scenarios to model species distributions under climate change. *Global Ecology and Biogeography*, 22: 1204–1216. doi: 10.1111/geb.12087

Delattre, T., Baguette, M., Burel, F., Stevens, V. M., Quénol, H. and Vernon, P. (2013), Interactive effects of landscape and weather on dispersal. *Oikos*, 122: 1576–1585. doi: 10.1111/j.1600-0706.2013.00123.x

Brodier, S., Augiron, S., Cornulier, T. and Bretagnolle, V. (2013), Local improvement of skylark and corn bunting population trends on intensive arable landscape: a case study of the conservation tool Natura 2000. *Animal Conservation*. doi: 10.1111/acv.12077

Bruzzone, S. (2013), Climate Change and Reorganizing Land Use: Flood Control Areas as a Network Effect. *International Journal of Urban and Regional Research*, 37: 2001–2013. doi: 10.1111/j.1468-2427.2012.01162.x

Jones, N., de Graaff, J., Duarte, F., Rodrigo, I. and Poortinga, A. (2013), Farming systems in two less favoured areas in Portugal: their development from 1989 to 2009 and the implications for sustainable land management. *Land Degrad. Dev.* doi: 10.1002/ldr.2257

Klaus, V. H. (2013), Urban Grassland Restoration: A Neglected Opportunity for Biodiversity Conservation. *Restoration Ecology*, 21: 665–669. doi: 10.1111/rec.12051

Bottollier-Curtet, M., Planty-Tabacchi, A.-M., Tabacchi, E. (2013), Competition between young exotic invasive and native dominant plant species: implications for invasions within riparian areas. *Journal of Vegetation Science*, 24: 1033–1042. doi: 10.1111/jvs.12034

Kolářová M, Tyšer L, Soukup J (2013). Impact of site conditions and farming practices on the occurrence of rare and endangered weeds on arable land in the Czech Republic. *Weed Research* 53, 489–498.

Coops, N. C., Morsdorf, F., Schaepman, M. E. and Zimmermann, N. E. (2013), Characterization of an alpine tree line using airborne LiDAR data and physiological modeling. *Global Change Biology*, 19: 3808–3821. doi: 10.1111/gcb.12319

Koch, A., McBratney, A., Adams, M., Field, D., Hill, R., Crawford, J., Minasny, B., Lal, R., Abbott, L., O'Donnell, A., Angers, D., Baldock, J., Barbier, E., Binkley, D., Parton, W., Wall, D. H., Bird, M., Bouma, J., Chenu, C., Flora, C. B., Goulding, K., Grunwald, S., Hempel, J., Jastrow, J., Lehmann, J., Lorenz, K., Morgan, C. L., Rice, C. W., Whitehead, D., Young, I. and Zimmermann, M. (2013), Soil Security: Solving the Global Soil Crisis. *Global Policy*, 4: 434–441. doi: 10.1111/1758-5899.12096

Almoradie, A., Cortes, V.J. and Jonoski, A. (2013), Web-based stakeholder collaboration in flood risk management. *Journal of Flood Risk Management*. doi: 10.1111/jfr3.12076

Millett, J., Edmondson, S. (2013), The impact of 36 years of grazing management on vegetation dynamics in dune slacks. *Journal of Applied Ecology*, 50: 1367–1376. doi: 10.1111/1365-2664.12113

Caprotti, F. and Romanowicz, J. (2013), Thermal Eco-cities: Green Building and Urban Thermal Metabolism. *International Journal of Urban and Regional Research*, 37: 1949–1967. doi: 10.1111/1468-2427.12049

Theurillat, T. and Crevoisier, O. (2013), The Sustainability of a Financialized Urban Megaproject: The Case of Sihlcity in Zurich. *International Journal of Urban and Regional Research*, 37: 2052–2073. doi: 10.1111/j.1468-2427.2012.01140.x

Janković, V. (2013), A historical review of urban climatology and the atmospheres of the industrialized world. *WIREs Clim Change*, 4: 539–553. doi: 10.1002/wcc.244

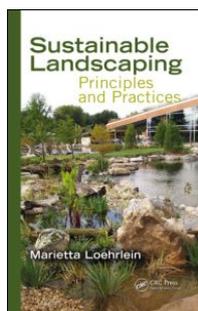
Courtney G. Flint, Iris Kunze, Andreas Muhar, Yuki Yoshida, Marianne Penker, Exploring empirical typologies of human–nature relationships and linkages to the ecosystem services concept, *Landscape and Urban Planning*, Volume 120, December 2013, Pages 208-217, ISSN 0169-2046, <http://dx.doi.org/10.1016/j.landurbplan.2013.09.002>.

T. Pinto-Correia, L. Kristensen, Linking research to practice: The landscape as the basis for integrating social and ecological perspectives of the rural, *Landscape and Urban Planning*, Volume 120, December 2013, Pages 248-256, ISSN 0169-2046, <http://dx.doi.org/10.1016/j.landurbplan.2013.07.005>.

Francesco Orsi, Davide Geneletti, Axel Borsdorf, Mapping wildness for protected area management: A methodological approach and application to the Dolomites UNESCO World Heritage Site (Italy), *Landscape and Urban Planning*, Volume 120, December 2013, Pages 1-15, ISSN 0169-2046, <http://dx.doi.org/10.1016/j.landurbplan.2013.07.013>.

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## Books



### **Sustainable Landscaping Principles and Practices**

Author: **Marietta Loehrlein**

Issued: 26 September 2013, CRC Press, 325 pages

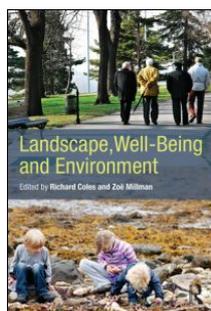
**Sustainable Landscaping: Principles and Practices** examines landscape practices that adversely affect the environment, which occur in the process of constructing, implementing, and managing residential and commercial landscapes. It explores ways to change these practices to have a more positive effect, describing the principles of sustainable landscaping and proposing solutions to challenges that can arise.

This book covers a wide range of landscape practices that fall under the broad subject of sustainability, providing detailed coverage of principles including the following:

- Conducting sustainability audits
- Using plants to maximize their benefits
- Regulating solar heat gain and loss with seasonal climate changes
- Directing wind using plants to minimize heat loss in winter and maintain cooling breezes in summer
- Addressing water quantity and quality
- Managing storm water
- Understanding and improving soil health
- Minimizing the impact of pesticides and herbicides
- Conserving energy and reducing air pollution
- Managing resources and reducing waste

Each topic is introduced by providing background information and terminology, followed with practical solutions that are being implemented by landscape professionals. Written for a general audience—from students of landscaping to homeowners and professionals in the landscaping industry—this book provides background information and practical solutions, offering sustainable approaches to the way landscapes are designed and managed.

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### **Landscape, Well-Being and Environment**

Edited by **Richard Coles, Zoe Millman**

Issued: 23 October 2013, Routledge, 226 pages

Well-being is now firmly established as an overarching theme of key concern to all professionals that work, manage or design the environment. However, well-being is a complex multi-dimensional issue rooted in the ways that we encounter, perceive and interpret the environment. No single discipline can claim to have sufficient knowledge to fully explain the types of interactions that occur, therefore there is a need to draw together a wide

range of professions who are exploring the consequences of their actions upon the well-being of individuals and communities.

This edited work addresses the above, consisting of a collection of studies which embrace different aspects of environment, landscape and well-being to consider current approaches to well-being research and practice that fall outside the traditional concepts of well-being as part of medical research, making links with architecture, landscape design, environmental perception, social interaction and environmental sustainability.

The contributors originally presented at the international conference, 'Well-Being 2011' jointly hosted by Birmingham City University and the Royal Institute of British Architects (RIBA); the

chapters have been developed to present a coherent series of themes reviewing a wide range of literature, presenting case studies appropriate to diverse audiences.

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### **Ecosystem Services Global Issues, Local Practices**

Edited by: **Sander Jacobs, Nicolas Dendoncer, Hans Keune**

Issued: November 2013, Elsevier

ISBN 978-0-12-419964-4

*Ecosystem Services: Global Issues, Local Practices* covers scientific input, socioeconomic considerations, and governance issues on ecosystem services. This book provides hands-on transdisciplinary reflections by administrators and sector representatives involved in the ecosystem service community. *Ecosystem Services* develops shared approaches and scientific methods to achieve knowledge-based sustainable planning and management of ecosystem services

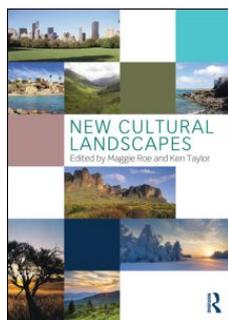
Professionals engaged in ecosystem service implementation have two options: de-emphasize the ecological and socioeconomic complexity and advance in the theoretical, abstract field, or try to develop research that is policy relevant and inclusive in an uncertain environment. This book provides a wide overview of issues at stake, of interest for any professional wishing to develop a broader view on ecosystem service science and practice.

#### **Audience**

Academics conducting interdisciplinary ecosystem service research, practitioners and policy makers aiming to incorporate ecosystem services into their work, and students from natural and social sciences

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## **Forthcoming Books**



### **New Cultural Landscapes**

Edited by **Maggie Roe, Ken Taylor**

Issued: **14 January 2014, Routledge, 296 pages**

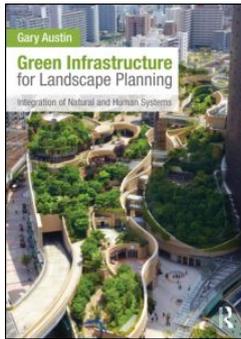
ISBNs: 978-0-415-59806-4 and 978-0-415-59805-7

While historical and protected landscapes have been well studied for years, the cultural significance of ordinary landscapes is now increasingly recognised. This groundbreaking book discusses how contemporary cultural landscapes can be, and are, created and recognised.

The book challenges common concepts of cultural landscapes as protected or 'special' landscapes that include significant buildings or features. Using case studies from around the world it questions the usual measures of judgement related to cultural landscapes and instead focuses on landscapes that are created, planned or simply evolve as a result of changing human cultures, management policy and practice.

Each contribution analyses the geographical and human background of the landscape, and policies and management strategies that impact upon it, and defines the meanings of 'cultural landscape' in its particular context. Taken together they establish a new paradigm in the study of landscapes in all forms.

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## **Green Infrastructure for Landscape Planning Integrating Human and Natural Systems**

Author: **Gary Austin**

Issued: 21 January 2014, Routledge, 294 pages

ISBN 978-0-415-84353-9

Green infrastructure integrates human and natural systems through a network of corridors and spaces in mixed-use and urban settings. Austin takes a broad look at green infrastructure concepts, research and case studies to provide the student and professional with processes, criteria and data to support planning, design and implementation.

Key topics of the book include:

- The benefit of green infrastructure as a conservation and planning tool
- Requirements of ecosystem health
- Green infrastructure ecosystem services that contribute to human physical and psychological health
- Planning processes leading to robust green infrastructure networks
- Design of green infrastructure elements for multiple uses.

The concept of ecosystem services is extensively developed in this book, including biological treatment of stormwater and wastewater, opportunities for recreation, urban agriculture and emersion in a naturalistic setting. It defines planning and design processes as well as the political and economic facets of envisioning, funding and implementing green infrastructure networks.

The book differs from others on the market by presenting the technical issues, requirements and performance of green infrastructure elements, along with the more traditional recreation and wildlife needs associated with greenway planning, providing information derived from environmental engineering to guide planners and landscape architects.

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## **Coffee Agroecology**

### **A New Approach to Understanding Agricultural Biodiversity, Ecosystem Services and Sustainable Development**

Authors: **Ivette Perfecto, John H. Vandermeer**

Issued: 31 May 2014, Routledge, 256 pages

Based on principles of the conservation and optimization of biodiversity and of equity and sustainability, this book focuses on the ecology of the coffee agroecosystem as a model for a sustainable agricultural ecosystem. It draws on the authors' own research conducted over the last 20 years as well as incorporating the vast literature that has been generated on coffee agroecosystems from around the world.

The book uses an integrated approach that weaves together various lines of research to understand the ecology of a very diverse tropical agroforestry system. Key concepts explored include biodiversity patterns, metapopulation dynamics and ecological networks. These are all set in a socioeconomic and political framework which relates them to the realities of farmers' livelihoods.

The authors provide a novel synthesis that will generate new understanding and can be applied to other examples of sustainable agriculture and food production. This synthesis also explains the ecosystem services provided by the approach, including the economic, fair trade and political aspects surrounding this all-important global commodity.

## 6. Outlook

### **2014**

#### **CoR Consultation of EU Local and Regional Authorities on the mid-term review of Europe 2020**

Date: 7 March 2014

Location: Athens, Greece

Link: <https://portal.cor.europa.eu/europe2020/Pages/welcome.aspx>

#### **Land Transformations: Between Global Challenges and Local Realities**

Date: 19-21 March 2014

Location: Berlin, Germany

Link: <http://www.glp-osm2014.org/>

#### **Second International Conference on Remote Sensing and Geo-information of Environment**

Date: 7-10 April 2014

Location: Pafos, Cyprus

Link: <http://www.cyprusremotesensing.com/rscy2014/>

#### **1st European Conference for the Implementation of the UNESCO-SCBD Joint Programme on Biological and Cultural Diversity**

Date: 8-11 April 2014

Location: Florence, Italy

Link: <http://landscapeunifi.it/en/unesco-cbd-eng>

#### **COMBINING SCIENTIFIC EXPERTISE WITH PARTICIPATION: THE CHALLENGE OF THE EUROPEAN LANDSCAPE CONVENTION**

Date: 28-29 April 2014

Location: Université Libre de Bruxelles (ULB), Brussels - Belgium

Link: <http://igeat.ulb.ac.be/en/elc2014>

#### **Second contemporary challenges of international environmental law conference**

Date: 5-7 June 2014

Location: University of Ljubljana, Slovenia

Link: <http://www.environmentlawconference.com/>

#### **Biogeochemical Processes at Air – Soil - Water Interfaces and Environmental Protection**

Date: 23-26 June 2014

Location: Imola, Italy

Link: <http://aswep-essc.unibo.it/index.php>

#### **Monitoring and Management of Visitors in Recreational and Protected Areas**

Date: 20-23 August 2014

Location: Tallinn, Estonia

Link: <http://www.tlu.ee/en/mmv7>

#### **PECSRL 2014**

Date: 8-12 September 2014

Location: Gothenburg and Mariestad, Sweden

Link: <http://www.pecsrl2014.com/index.html>

**ELS 2014 - the Earth Living Skin: Soil, Life and Climate Changes**

Date: 22-25 September 2014

Location: Castellaneta Marina (TA), Italy

Link: <http://www.els2014.eu/d/55/Home/>

**First GSBI Conference - Assessing soil biodiversity and role for ecosystem services**

Date: 2-5 December 2014

Location: Palais des Congrès, Dijon, France

Link: <http://www.gsbiconference.elsevier.com/>

**2015**

**AGROecological assessment and Functional-environmental Optimization of Soils and TERrestrial ecosystems**

Date: 18-22(-26) May 2015

Location: Moscow, Russian Federation

Link: [http://eussoils.jrc.ec.europa.eu/events/Future\\_events/7\\_Congr\\_ESSC\\_Circ\\_1.pdf](http://eussoils.jrc.ec.europa.eu/events/Future_events/7_Congr_ESSC_Circ_1.pdf)

## 7. LE membership

### **Membership**

The following institutes are now members of LANDSCAPE EUROPE:

#### **Full members:**

- The Institute of Landscape Ecology of the Slovak Academy of Sciences (ILESAS)
- Alterra Wageningen UR (Alterra)
- The Centre for Ecology & Hydrology (CEH)
- Helmholtz - Zentrum für Umweltforschung GmbH (UFZ)
- Joint Research Centre (JRC)
- Swiss Federal Institute for Forest, Snow and Landscape Research (WSL)

#### **Associate members:**

- Aarhus University – Department of Environmental Science (AU-ENVS)
- National Research Institute of Science and Technology for Environment and Agriculture (IRSTEA)
- The Research Institute for Nature and Forest (INBO)
- The Norwegian Forest and Landscape Institute (NFLI)
- The University of Vienna, Department of Conservation Biology, Vegetation and Landscape Ecology (UNIVIE)
- The University of Bucharest (UNIBUC)
- The University of Tallinn, Centre for Landscape and Culture, Estonian Institute of Humanities (TU)
- The University of Salzburg (Z\_GIS)
- Agricultural Economics Research Institute (LEI – Wageningen UR)
- The University of the Aegean (Aegean)
- The German Federal Agency for Nature Conservation (BfN)
- The Leibniz Institute of Ecological Urban and Regional Development (IOER)
- Charles University of Prague, Faculty of Science, Department of Physical Geography and Geo-ecology (KU)
- The University of Udine, Department of Crop and Environmental Science (DISAA)
- The University of Alcalá de Henares (UAH)

#### **Executive Board**

Current composition of the Executive Board:

- Alterra (NL): Bas Pedroli
- CEH (UK): Paul Scholefield
- UFZ (D): Christoph Görg
- JRC (int): Maria Luisa Paracchini
- ILESAS (SK) Peter Bezák
- WSL (CH) Felix Kienast

Network Co-ordinator: Peter Bezák (ILESAS, SK)

#### **Website and Forum page**

The website of LANDSCAPE EUROPE, [www.landscape-europe.net](http://www.landscape-europe.net), has up to date information on conferences, publications, international vacancies and other events. For more information on the website, please contact the webmaster [robert.kanka@savba.sk](mailto:robert.kanka@savba.sk).