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LANDSCAPE EUROPE – Newsletter Issue No. 16 – November 2012*

1. **Introduction**

Dear LANDSCAPE EUROPE readers,

We would like to keep up the tradition of publishing a periodic newsletter twice a year and bring the latest landscape issues to your inbox.

In this issue we draw your attention to the **Landscape Governance seminar**, organised by LANDSCAPE EUROPE and held within the 16th International Symposium on Problems of Landscape Ecological Research. Here, representatives of national and regional landscape policy making discussed landscape policy-science interactions with researchers. At the end of the symposium Mr. Mikuláš Huba (as representative of the “policy”) and Mr. Bas Pedroli (as representative of the “science”) signed a joint statement which was adopted during the meeting of the National Council of the Slovak Republic on 24 September 2012. They observed that, although 24 out of the 27 EU member states have signed and ratified the European Landscape Convention, there is still a great effort to be made to fully implement the Landscape Convention. Furthermore, they pointed out deficiencies in the consideration of landscape effects in sector policies, their monitoring, their reflection in the legislation and decision-making processes, the lack of public participation in landscape planning, etc. (read further in the newsletter).



I believe that the information in our newsletter will be of great interest to readers of the LANDSCAPE EUROPE Newsletter.

On behalf of LANDSCAPE EUROPE, I wish you success in the upcoming period and look forward to receiving your comments and inputs for the future issue of the Newsletter.



Peter Bezák and the ILESAS team

Network coordination office

* This is the 16th 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. 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 peter.bezak@savba.sk with their contact information.

2. Contributions

Mainstreaming ecosystem services into EU policy

Christoph Görg



PEER Research on EcoSystem Services (PRESS) initiative describes how different EU policies can help to increase the services and benefits provided by ecosystems, and calls for the inclusion of the ecosystem services approach into European policy measures affecting the use or state of natural resources.

Launched in 2010, the PRESS initiative demonstrated how European researchers, including social scientists, economists and ecologists, can combine their expertise to map and assess the natural, social and economic values of ecosystems services.

The first phase of the study, which was concluded in September 2011 with the publication of the first PRESS report, demonstrated methodologies to map the role of ecosystems and landscapes as providers of clean water and recreation and investigated how ecosystem services can be mainstreamed into agriculture, fisheries or forestry policies.

The second and final phase of the study consisted of case studies carried out on pollination, recreation and water purification to explore how assessment methods to measure and map ecosystem services might be developed at multiple spatial scales.

The results of this final phase are now available as a synthesis report at www.peer.eu and are conveyed into four main policy messages:

1. The capacity of wetlands, rivers, streams and lakes to remove or immobilise pollutants is essential to the provision of clean water for multiple uses and decreases the cost of wastewater treatment based on technological solutions only. New proposals of the European Commission to green the Common Agricultural Policy and to restore wetland ecosystems are predicted to have positive effects on water purification services, thereby improving water quality and increasing the economic benefits to society.
2. Outdoor recreation services are one of the most immediate perceived benefits of ecosystems to people. The PRESS study presents evidence of high visitation rates to natural areas, in particular forests. Surveys show that citizens are willing to pay for continued access to forest landscapes for recreational purposes. On a national scale, the value of forests for recreation may be in the range of billions of Euros. This value increases when we consider the avoided cost for health care due to the restorative and stress reduction capacity of recreational activities. Green urban areas such as city parks also have a high recreational potential. The PRESS study report describes spatial methods to identify where investments in green urban areas reach their highest potential.
3. Insects such as bees and bumblebees are key players in providing pollination services to maintain Europe's crop production, in particular production of fruit and vegetables. High resolution data of forests and riparian areas were used to map the ecosystems in which bees and bumblebees build nests and find nectar-carrying flowers. Such information is important to convince farmers to help manage and protect these landscapes as they increase their agricultural output.
4. The mapping, assessment and valuation of ecosystem services are necessary but not sufficient steps in achieving the ecosystem services targets of the EU Biodiversity Strategy. We need to develop a thorough understanding of how we determine the levels of the various ecosystem services and the impacts of current policies on

ecosystems. Sound and cost-effective management of ecosystems should also take into account those EU policies that directly and indirectly influence ecosystems and the services they provide, e.g. policies designed to bring about social and economic changes, such as those on international trade, agriculture, land use, and nature conservation.

Including the ecosystem services concept in all social and economic policies would allow for a systematic review of their impacts on services, beyond conventional environmental assessments. The PRESS initiative recommends that new policies should be flexible in design and continuously monitored in order to be able to react and adapt to new circumstances, and that baseline levels and goals should be quantified in order to be able to measure progress. It calls for the broad collaboration of stakeholders at all levels, including researchers, policy makers, and citizens.

While the PRESS initiative has come to an end, the research consortium together with many other research organizations will continue its research in the EU FP7 project OpenNESS “Operationalisation of Natural Capital and EcoSystem Services: From Concepts to Real-world Applications”, starting in December 2012.



Conclusions from the 16th International Symposium on Problems of Landscape Ecology Research: “Landscape Ecology: From Theory to Practice”

Mária Kozová, chairman of IALE-SK

On 24-26 September 2012, the 16th International Symposium on Problems of Landscape Ecology Research “Landscape Ecology: From Theory to Practice” was held in the Congress Centre of SAS in Smolenice. The Symposium was organised by the Institute of Landscape Ecology of the Slovak Academy of Sciences, Constantine the Philosopher University in Nitra, the Landscape Europe Network, the Slovak Association for Landscape Ecology (IALE-SK) and the European Academy of Sciences and Arts.

The 16th International Symposium was organised on the special occasion of the **30th anniversary** of the foundation of the International Association for Landscape Ecology (IALE) and on the occasion of the **45th anniversary** of the foundation of the International Symposia organized by the Institute of Landscape Ecology SAS.

The introductory part of the Symposium was devoted to the establishment of **IALE** and some of its chapters in various European countries (Germany, Czech Republic, Poland, and the Slovak Republic). Professor Jürgen Breuste introduced the European Chapter of IALE, which was established three years ago in Salzburg during the European IALE Conference 2009.

There were 36 oral presentations and 25 posters presented. The papers and posters yielded a fruitful discussion and brought many important questions and recommendations. The participants highlighted in particular the necessity of cooperation between scientists, decision-makers, practitioners, municipalities and local communities. Crucial tasks for the achievement of sustainable management of the landscape were expressed by way of implementation of an interdisciplinary and trans-disciplinary approaches and the effective transfer of scientific knowledge into environmental planning practice and decision making processes. A specific part of the symposium represented a **Landscape Policy Meeting**

organised by the Landscape Europe Network and focused on the landscape governance topic.

At the end of the symposium two important events took place. Firstly, the signing **ceremony of the joint statement** of Prof. Mikuláš Huba and Prof. Bas Pedroli took place. The joint statement was adopted during the meeting at the National Council of the Slovak Republic on Monday, 24 September 2012 and includes the following: “We observed that, although 24 out of the 27 EU member states have signed and ratified the European Landscape Convention, there is still a great effort to be made to fully implement the Landscape Convention. Especially the explicit consideration of landscape effects in sector policies (agriculture, forestry and water management, energy, transport, urban planning, and others), the proper monitoring of these effects, their reflection in the contemporary legislation and decision-making processes as well as the enhancement of public participation in decisions pertaining to landscape planning and management, is lagging behind.” Mikuláš Huba and Bas Pedroli underlined the notion that the landscape represents an integrated level, allowing the efficient solution of many interrelated problems, which are difficult to solve when considering sectors separately, as it is also stressed in the Science Policy Briefing No. 41 of ESF-COST. Science and policy should closely collaborate at local, regional, national and EU-levels to address this challenge.

In the final presentation of the symposium Bas Pedroli informed all participants about the **AGORA initiative** – “European Landscape Platform Perspectives for the Science Policy Interface“. He presented AGORA as a new landscape forum, which needs most active, enthusiastic and committed memberships across all disciplines and geographically widely-spread. The AGORA objective is very well related to our joint efforts to promote the effective application of scientific results into practice. The goals of AGORA are:

- o Interdisciplinary landscape research achieving social benefits and influencing mainstream environmental policy.
- o The routine use of landscape research as a solution to policy challenges - landscape as part of the answer, rather than something needing protection.
- o Concrete examples and focussed policy briefings to demonstrate how landscape research and education contribute to social and economic solutions.
- o An integrated and co-ordinated landscape research agenda.
- o Increased cross-disciplinary academic partnerships.
- o Greater collective benefit from the energy individual programmes, and mutual support for existing landscape networks.
- o A Forum in which politicians, policy-makers and business decision makers are also members.

NEWS FROM THE THERMOMAP PROJECT

(09/2010 – 08/2013)

ThermMap

Subtitle: Area mapping of superficial geothermic resources by soil and groundwater data



Lucia Morper-Busch

Thermomap is an EC co-funded project (FP7-ICT Policy Support Programme) with **12 partners from 9 countries** (Austria, Belgium, France, Germany, Greece, Hungary, Iceland, Romania, the United Kingdom).

The ThermoMap project targets the very shallow geothermal potential

(vSGP), defined as the natural thermal conductivity of the unconsolidated underground up to a maximum depth of 10 meters.

Focuses:

- Standardized geoprocessing of harmonized data (soil, climate and groundwater parameters)
- Visualization of distributed data sources (WMS) within an Open-Source Map-Viewer
- Maps of very Shallow Geothermal Potential (vSGP) and background parameters in Europe and 14 test areas
- A detailed report as a Location Information Sheet with map details, a compilation of all important background parameters and schematic diagrams for a selected map location.

ThermoMap project website: <http://www.thermomap-project.eu/>

ThermoMap Map Viewer: <http://thermomap.edu-zgis.net/>

3. Network news

LANDSCAPE GOVERNANCE – POLICY MEETING ON 26 SEPTEMBER 2012 IN SMOLENICE

Peter Bezák

The Landscape Governance meeting was organised as part of the 16th International Symposium on Problems of Landscape Ecology Research (read above). The meeting was organised and supported by the Landscape Europe network with the aim of providing an overview of the science-policy interface of landscape research. Presenters concluded that there is an urgent need for tight cooperation between scientists and policy makers in order to prepare effective management measures to be implemented in the landscape. Recent legislative tools include some tools for landscape protection and sustainable development; however their reflection in the landscape is rather weak. Integrated research with the combined efforts of a variety of scientists, stakeholders and the public is essential to approach decision-makers and deliver efficient measures. A willingness to launch such cooperation in Slovakia was expressed by both sides, policy makers (Ministry of Environment of SR) and scientists. Furthermore, participants agreed that international cooperation and joint procedures within the unified EU is requested to successfully tackle EU policy instruments (e.g. through the Slovak and the Netherlands presidency of the Council of the EU in 2016).

COMPETITION FOR THE BEST PUBLICATIONS DEALING WITH THE LANDSCAPE

Jana Borovská

LANDSCAPE EUROPE continues to organise a **competition for the best publication** dealing with the landscape. The competition is aimed at young scientists under 35 who recently published their own research results dealing with the landscape.

Last year's winner was *Dr. Christian Albert* from the Leibniz Universität Hannover, Institut für Umweltplanung in Hannover, Germany, with the following article:

Christian Albert, Thomas Zimmermann, Jörg Knieling, Christina von Haaren: *Social learning can benefit decision-making in landscape planning: Gartow case study on climate change adaptation, Elbe valley biosphere reserve*. Landscape and Urban Planning, Volume 105, Issue 4, 30 April 2012, Pages 347-360, ISSN 0169-2046

The full text article could be seen on:

<http://www.sciencedirect.com/science/article/pii/S0169204612000047>

Criteria for participants:

- Less than 35 years old (at 30.6.2013)

Criteria for papers:

- Submitted in English
- Published between 1 July 2012 – 30 June 2013
- The word "landscape" must appear in the title or abstract
- Shows an interdisciplinary approach
- The spatial component is considered

Prize:

- LANDSCAPE EUROPE diploma
- LANDSCAPE EUROPE publication
- Financial award (100€)

Please send a digital version of your paper to the LANDSCAPE EUROPE office (jana.borovska@savba.sk) by **31 July 2013** with the message subject "**LANDSCAPE EUROPE competition**". The papers will be assessed during the following LANDSCAPE EUROPE General Assembly and the winner will be contacted.

4. Events

GLOBAL SOIL WEEK – SOILS FOR LIFE

18-22 November 2012, Berlin, Germany



The Global Soil Week will take place in Berlin from 18-22 November 2012. It was conceived as an international multi-stakeholder event on soils and their sustainable management, to contribute to the FAO Global Soil Partnership. The Global Soil Week will take place annually as the point of assembly on the globe's soil issues.

The First Global Soil Week, which takes place within the framework of the FAO's Global Soil Partnership, will provide a platform to initiate follow-up actions on land and soil-related decisions made at the Rio+20 Sustainable Development Conference.

Stakeholders from science, government, business and civil society will come together to share their land and soil-related experience and expertise, and to develop future plans of action for sustainable land/soil management and governance. A series of dynamic, focused sessions will facilitate the interaction between the participants.

More info: <http://globalsoilweek.org/cms/>

18th MARS CONFERENCE

21-23 November 2012, Paphos, Cyprus



The main purpose of this conference is to offer an opportunity for Member States, New Member States, Candidate Countries, and Potential Candidate Countries Administrations, EU officials, Image Providers and contractors

to meet and discuss particular problems or innovations concerning the management of the Common Agriculture Policy.

This 18th annual conference, jointly organised by the JRC, DG Agriculture and the Cyprus Agricultural Payments Organization, under the auspices of the Cypriot Presidency of the European Union, has a historical dimension as in the year 2012 Europe celebrates 50 years of the Common Agricultural Policy and also European Control with Remote Sensing started 20 years ago, becoming a successful instrument for the control of the direct area based payments, established by the major CAP Reform in 1993.

At this appropriate time, one year before the implementation of the new CAP ‘towards 2020’, this conference will address the new needs introduced by the reform, possible impacts on the different components of the administration systems, and the best ways to manage them in a coherent and sustainable way.

More info: <http://mars.jrc.ec.europa.eu/mars/News-Events/18th-MARS-annual-conference>

FORECOM OPENING CONFERENCE

6-8 March 2013, Kraków, Poland



The Opening Conference of the FORECOM (Forest cover changes in mountainous regions – drivers, trajectories and implications) will take place between 6-8 March 2013, at the Institute of Geography and Spatial Management of the Jagiellonian University.

FORECOM (<http://www.gis.geo.uj.edu.pl/FORECOM/index.html>) is a project awarded in the “Environment” pillar of the Polish-Swiss Research Programme (<http://www.swiss.opi.org.pl/>) and is carried out by research teams from the Institute of Geography and Spatial Management (IGSM), Jagiellonian University, Poland, and the Swiss Federal Research Institute for Forest, Snow and Landscape Research (WSL), Research Unit Landscape Dynamics.

FORECOM aims at improving the understanding of past, present and future forest cover changes in the Swiss Alps and the Polish Carpathians in the context of land use and climate changes. Over the past decades, agricultural land in Europe has declined and the forested area has expanded considerably. Recent trends of land abandonment have been most pronounced in marginal areas, for example in the mountains, like the European Alps and the Carpathians, where agriculture became economically inefficient resulting in a decrease in cropland or grassland area followed by an increase in forest cover. At the same time, the potential upper tree line has shifted upward as a consequence of global warming. Despite their importance, spatially accurate large-scale and long-term reconstructions of forest cover changes in the Swiss Alps and the Polish Carpathians so far have been missing for both mountain regions and the underlying driving forces of forest cover change trends are still insufficiently understood.

All scientists working in Land Change Science are invited to take part in the conference. **Participation is free of charge, yet the number of places is strictly limited.** The organizers reserve the right to consider only the best applications. Applications of scientists actively involved in land use change research (in particular in mountain areas) will be preferred.

There is no conference registration form, but the **registration** should be sent via e-mail by the **31st December 2012**. More information can be found on following links:

<http://www.gis.geo.uj.edu.pl/forecom/index.html>

http://www.gis.geo.uj.edu.pl/forecom/outreach/FORECOM_Conference_invitation.pdf

THE INTERNATIONAL FEDERATION OF LANDSCAPE ARCHITECTS CONGRESS 2013: SHARED WISDOM IN AN AGE OF CHANGE

10 - 12 April 2013, Auckland, Australia

The New Zealand and Australian Institutes of Landscape Architects (NZILA and AILA) are organizing the 50th International Federation of Landscape Architects World Congress (IFLA50).



IFLA is the organization which globally represents the landscape architectural profession, providing leadership and networks supporting the development of the profession and its effective participation in the realization of attractive, equitable and sustainable environments. An IFLA World Congress is an ideal opportunity to share and learn from diverse cultures, with attendees from 63 IFLA member countries.

IFLA 2013 – Shared Wisdom in An Age of Change, will be a celebration twice over. The 2013 Congress is the **50th IFLA congress** and the **40th anniversary of the establishment of NZILA** in New Zealand.

The theme for this 50th IFLA World Congress will focus on knowledge sharing around the increasingly challenging issues facing our local and global environments in an age of considerable and frequently dramatic change. It will provoke thought as to how we as the landscape profession can and should participate in the shaping and management of the future. More info: <http://www.ifla2013.com/>

GI_FORUM 2013 – CREATING THE GISOCIETY

2 – 5 July 2013, Salzburg, Austria

The University of Salzburg will again host the international GI community from **July 2 – 5, 2013**: The interdisciplinary GI_Forum attracts an international GIScience audience with the goal of promoting interest in translating theory as well as methods and techniques a broad range of GI application domains. Young researchers are especially invited to contribute and discuss their research. Together with recognized scientists they will find a vibrant community from academia, business, and education ready to embrace new ideas and explore new research directions.



Themes & Application Fields: The GI_Forum communicates **innovative research and learning in Geographic Information Science** with a focus on hardware, software, orgware and brainware for the GIS-society, and their inter-relationships. Keynotes by **Sarah Elwood, Josef Strobl, Geoff Zeiss** and **Francis Harvey** support the general topic. We welcome theoretical, technical and empirical work.

Topics within the special focus include, but are not limited to:

- Spatial Data Infrastructures
- GIScience & Target Group Specific Design
- Mobility and Safety
- Monitoring and Modelling of Global Change
- Spatial Information & Society
- Critical GIS / Cartography
- Education for Spatial Citizenship
- Spatial Thinking in Education
- Outreach Initiatives

The GI_Forum further solicits contributions on emerging topics and research outcomes related to GIScience and GI-based education. Geospatial data acquisition, advanced spatial analysis and knowledge extraction, distributed and mobile services, visualization and visual analytics, dynamic modeling and simulation, learning environments for secondary/postsecondary education, and research into learning outcomes, comprise by no means an exhaustive list of conference topics.

Only online submissions will be accepted, starting from **1st December 2012** to **1st February 2013**. More info: www.gi-forum.org



EUROPEAN IALE CONFERENCE 2013 – CHANGING EUROPEAN LANDSCAPES

9-12 September 2013, Manchester, UK

IALE UK and IALE Europe will organize the IALE 2013 European Congress on 9-12 September 2013 in Manchester. This major international event will examine how and why European landscapes are changing and how landscape ecology can help us to plan for the future from a local to global scale. It will consider local projects alongside international programmes and provide many opportunities for researchers, policy makers and practitioners to interact. The congress will have a European focus but participants from around the world are very welcome.

There are **opportunities to sponsor** the congress by supporting symposia costs, providing travel grants, renting exhibition space and funding the social programme.

This is your congress and you can get involved now by responding to the **open call for symposia** or by registering to receive updates about the Congress. More info: <http://www.iale2013.eu/>

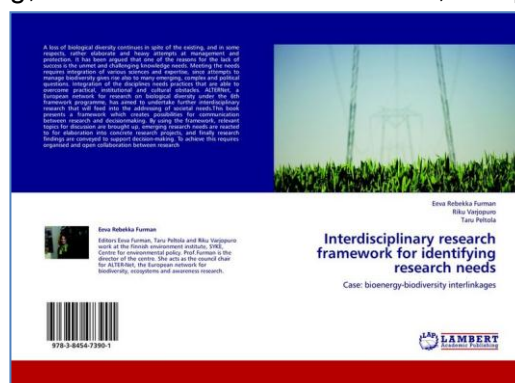
5. Recent publications

INTERDISCIPLINARY RESEARCH FRAMEWORK FOR IDENTIFYING RESEARCH NEEDS. Case: bioenergy-biodiversity interlinkages.

Authors: Eeva Rebekka Furman, Riku Varjopuro, Taru Peltora

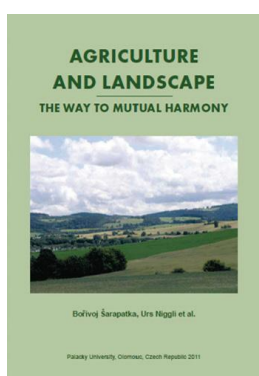
Publisher: LAP Lambert Academic Publishing, Published on: 2012-08-06, 96 pp. ISBN-10: 3845473908

The loss of biological diversity continues in spite of the existing, and in some respects, rather elaborate and heavy attempts at management and protection. It has been argued that one of the reasons for the lack of success is the unmet and challenging knowledge needs. Meeting the needs requires integration of various sciences and expertise, since attempts to manage biodiversity also give rise to many emerging, complex and political questions. The integration



of the disciplines needs practices that are able to overcome practical, institutional and cultural obstacles. ALTERNet, a European network for research on biological diversity under the 6th framework programme, has aimed to undertake further interdisciplinary research that will feed into addressing the needs of society. This book presents a framework which creates possibilities for communication between researchers and decision makers. By using the framework, relevant topics for discussion are brought up, emerging research needs are reacted to for elaboration into concrete research projects, and finally research findings are conveyed to support decision-making. To achieve this requires organised and open collaboration between researchers.

AGRICULTURE AND LANDSCAPE – THE WAY TO MUTUAL HARMONY



Authors: Borivoj Šarapatka, Urs Niggli et al.

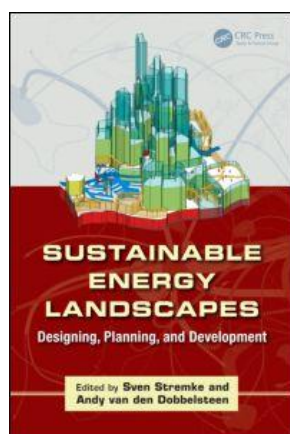
Publisher: the Palacky University in Olomouc, the Czech Republic, in cooperation with FiBL in Switzerland, the Czech Ministry of the Environment, the Czech Ministry of Education, Youth and Sport, and the Bioinstitut in Olomouc, CZ, Published on: 2012, 1st edition, 268 pp. ISBN 978-80-244-2824-6

The book deals in 10 chapters with the problems of the contemporary intensively-farmed landscape and describes possible measures for arable land, grassland, orchards and vineyards. It contains **the following subjects**: ecological relationships and problems in the agricultural landscape, biodiversity for agriculture; protection of the rural landscape character; maintenance, development and establishment of semi-natural habitats in the agricultural landscape; farming measures on arable land; permanent grassland and its importance; measures in orchards and vineyards; agriculture in areas with restricted systems of management; organic agriculture – the way to sustainability; water elements in agricultural landscape; and whole farm conservation plans.

This book will be a help to practice, research and as an educational tool in teaching subjects relating to landscape ecology and landscape planning.

An extract can be viewed on the website <http://ekologie.upol.cz/aal/info.pdf>.

SUSTAINABLE ENERGY LANDSCAPES: Designing, Planning, and Development



Authors: Sven Stremke, Andy van den Dobbelsteen (eds.)

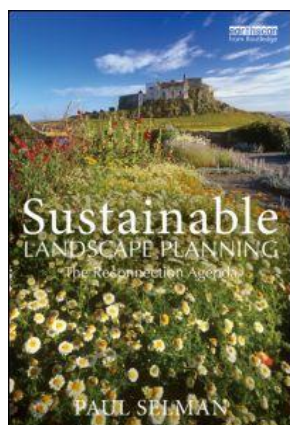
Publisher: CRC Press, Series: Applied Ecology and Environmental Management. Published on 12th September 2012, 528 pp.

In the near future the appearance and spatial organization of urban and rural landscapes will be strongly influenced by the generation of renewable energy. One of the critical tasks will be the re-integration of these sustainable energy landscapes into the existing environment – which people value and want to preserve – in a socially fair, environmentally sound, and economically feasible manner. Accordingly, **Sustainable Energy Landscapes: Designing, Planning, and Development** focuses on the municipal and regional scale, where energy-conscious interventions are effective, and stakeholders can participate actively in the transition process.

This book presents state-of-the-art knowledge in the exciting new field of sustainable energy landscapes. It bridges the gap between theory and fundamental research on the one hand, and practice and education on the other. The chapters – written by experts in their fields – present a selection of interdisciplinary, cutting-edge projects from across the world, illustrating the inspiring challenge of developing sustainable energy landscapes. They include unique case studies from Germany, Taiwan, the United Kingdom, Canada, Denmark, Austria, Italy, and the United States.

The editors and team of contributing authors aim to inspire readers, providing a comprehensive overview of sustainable energy landscapes, including principles, concepts, theories, and examples. The book describes various methods, such as energy potential mapping and heat mapping, multicriteria decision analysis, energy landscape visualization, and employing energy and carbon models. It addresses how to quantify the impact of energy transition both on landscape quality and energy economy, issues of growing importance. The text infuses readers with enthusiasm to promote further research and action toward the important goal of building energy landscapes for a sustainable future.

SUSTAINABLE LANDSCAPE PLANNING. THE RECONNECTION AGENDA

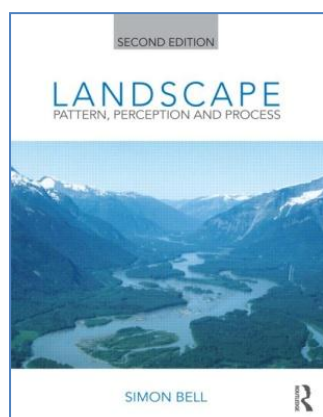


Author: Paul Selman

Publisher: Routledge. *Published on:* 18th June 2012, 166 pp.
 Paperback: 978-1-84971-263-7, Hardback: 978-1-84971-262-0,
 eBook: 978-0-203-11986-0

This book takes as its starting point the need to critically examine the case for landscape reconnection. It looks at alleged disconnections and their supposed consequences. It explores the arguments about reconnecting the natural and human elements of whole landscapes. More broadly, it considers the landscape as an arena within which science, humanities and professions can find common ground, and in which vivid social learning about key social and environmental issues can occur. It takes a dynamic view of the landscape, in contrast to the popular image of a timeless, traditional scene. It accepts that even the most cherished cultural landscapes will change and, indeed, it views 'change drivers' as a potentially positive means of creating new connectivities between people and places. It recognises the growing interest in promoting resilience and ecosystem services across extensive landscapes - such as by creating a new 'space' for water and wildlife.

LANDSCAPE: PATTERN, PERCEPTION AND PROCESS



Author: Simon Bell

Publisher: Routledge. *Published on:* 16th July 2012, 2nd edition, 350 pp.
 Paperback: 978-0-415-60837-4, Hardback: 978-0-415-60836-7,
 eBook: 978-0-203-12008-8.

Landscapes develop and evolve through an interacting series of processes – climatic, geological, ecological and cultural – over varying periods of time. These processes shape the structure and character of the landscapes which we experience. Over time, distinctive patterns emerge – ranging in scale from the distribution

of small plants to the sculptured sides of a huge canyon. Our perception of these patterns goes beyond just their visual appreciation – beautiful though they may be – into a richer understanding of how we experience our environment.

By understanding this complex pattern–process interaction we can obtain a deeper awareness of the landscape and our place in it – as inhabitants and as shapers. The book explores the nature of patterns and ways of classifying them before studying the nature of perception (primarily visual but including other senses), then proceeds to relate this perception to aesthetics and from there to the design process. From this point the main driving processes in landscape are introduced alongside the resulting patterns, these being climatic, landform, ecosystem and cultural aspects.

It is this integrative approach of looking at landscape as a kind of self-organising system, overlaid by conscious human planning activities and the unity of pattern and process, which makes this book unique. Landscape draws from a wide range of neighbouring disciplines, of which the landscape planner or designer needs to be aware, but which are often taught as distinct elements. Bell binds these fundamentals together, which enables the landscape to be ‘read’, and this reading to be used as the basis for planning and design.

This second edition updates and refreshes the original material with added sections and new photos, particularly making use of the developments in satellite photography. Featuring full colour throughout, this textbook is ideal for anyone studying landscape architecture or any of the disciplines which intersect with the landscape, and which affect it.

Publications

Bayona-i-Carrasco, J. and Gil-Alonso, F. (2012): Is Foreign Immigration the Solution to Rural Depopulation? The Case of Catalonia (1996–2009). *Sociologia Ruralis*. Article first published online: 26 OCT 2012. doi: 10.1111/j.1467-9523.2012.00577.x

Cabral, J. S., Kreft, H. (2012): Linking ecological niche, community ecology and biogeography: insights from a mechanistic niche model. *Journal of Biogeography*. Article first published online: 29 OCT 2012. doi: 10.1111/jbi.12010

Caudron, A., Vigier, L. and Champigneulle, A. (2012): Developing collaborative research to improve effectiveness in biodiversity conservation practice. *Journal of Applied Ecology*, 49: 753–757. doi: 10.1111/j.1365-2664.2012.02115.x

Clewley, G. D., Eschen, R., Shaw, R. H., Wright, D. J. (2012): The effectiveness of classical biological control of invasive plants. *Journal of Applied Ecology*. Article first published online: 5 OCT 2012. doi: 10.1111/j.1365-2664.2012.02209.x

Engel, J., Huth, A. and Frank, K. (2012): Bioenergy production and Skylark (*Alauda arvensis*) population abundance – a modelling approach for the analysis of land-use change impacts and conservation options. *GCB Bioenergy*, 4: 713–727. doi: 10.1111/j.1757-1707.2012.01170.x

Forrest, C. J. (2012): Environmental public involvement and outreach: Tools and commentary. *Environ. Qual. Manage.*, 22: 1–19. Article first published online: 10 SEP 2012. doi: 10.1002/tqem.21313

Garnåsjordet, P. A., Aslaksen, I., Giampietro, M., Funtowicz, S. and Ericson, T. (2012): Sustainable Development Indicators: From Statistics to Policy. *Env. Pol. Gov.*, 22: 322–336. Article first published online: 16 OCT 2012. doi: 10.1002/eet.1597

Gaston, K. J., Davies, T. W., Bennie, J., Hopkins, J. (2012): Reducing the ecological consequences of night-time light pollution: options and developments. *Journal of Applied Ecology*. Article first published online: 2 NOV 2012. doi: 10.1111/j.1365-2664.2012.02212.x

Gusmeroli, F., Della Marianna, G., Fava, F., Monteiro, A., Bocchi, S. and Parolo, G. (2012): Effects of ecological, landscape and management factors on plant species composition, biodiversity and forage value in Alpine meadows. *Grass and Forage Science*. Article first published online: 18 OCT 2012. doi: 10.1111/gfs.12007

Luukkanen, J., Vehmas, J., Panula-Ontto, J., Allievi, F., Kaivo-oja, J., Pasanen, T. and Auffermann, B. (2012): Synergies or Trade-offs? A New Method to Quantify Synergy Between Different Dimensions of Sustainability. *Env. Pol. Gov.*, 22: 337–349. Article first published online: 16 OCT 2012. doi: 10.1002/eet.1598

MacKenzie, C. P. (2012): Lessons from Forestry for International Environmental Law. *Review of European Community & International Environmental Law*, 21: 114–126. doi: 10.1111/j.1467-9388.2012.00751.x

Mettepenningen, E., Vandermeulen, V., Van Huylenbroeck, G., Schuermans, N., Van Hecke, E., Messely, L., Dessein, J. and Bourgeois, M. (2012): Exploring Synergies between Place Branding and Agricultural Landscape Management as a Rural Development Practice. *Sociologia Ruralis*, 52: 432–452. doi: 10.1111/j.1467-9523.2012.00575.x

Ormazabal, M. and Sarriegi, J. M. (2012): Environmental management: Understanding its evolution through maturity states. *Environ. Qual. Manage.*, 22: 31–42. Article first published online: 10 SEP 2012. doi: 10.1002/tqem.21315

Park, K. J., Turner, A., Minderman, J. (2012): Integrating applied ecology and planning policy: the case of micro-turbines and wildlife conservation. *Journal of Applied Ecology*. Article first published online: 5 NOV 2012. doi: 10.1111/jpe.12005

Patsias, C., Latendresse, A. and Bherer, L. (2012): Participatory Democracy, Decentralization and Local Governance: the Montreal Participatory Budget in the light of 'Empowered Participatory Governance'. *International Journal of Urban and Regional Research*. Article first published online: 16 OCT 2012. doi: 10.1111/j.1468-2427.2012.01171.x

Penker, M., Enengel, B., Mann, C. and Aznar, O. (2012): Understanding Landscape Stewardship – Lessons to be Learned from Public Service Economics. *Journal of Agricultural Economics*. Article first published online: 17 OCT 2012, doi: 10.1111/j.1477-9552.2012.00363.x

Perkol-Finkel, S., Ferrario, F., Nicotera, V., Airoidi, L. (2012): Conservation challenges in urban seascapes: promoting the growth of threatened species on coastal infrastructures. *Journal of Applied Ecology*. Article first published online: 4 OCT 2012. doi: 10.1111/j.1365-2664.2012.02204.x

Šálek, M. (2012): Spontaneous succession on opencast mining sites: implications for bird biodiversity. *Journal of Applied Ecology*. Article first published online: 5 NOV 2012. doi: 10.1111/j.1365-2664.2012.02215.x

van Asselen, S. and Verburg, P. H. (2012): A Land System representation for global assessments and land-use modeling. *Global Change Biology*, 18: 3125–3148. doi: 10.1111/j.1365-2486.2012.02759.x

Environmental Policy and Governance

Special Issue: Special Issue from the European Society for Ecological Economics 2011 Conference: 'Advancing Ecological Economics: Theory and Practice'. Volume 22, September/October 2012

6. Outlook

GHG-Europe Workshop: Peatland Synthesis

Date: 21-23 November 2012

Location: Edinburgh, Scotland, UK

Link: <http://www.ghg-europe.eu/index.php?id=233>

Managing Change in Scotland's Landscapes – National Conference

Date: 27-28 November 2012

Location: Concert Hall Perth, Scotland

Link: <http://www.landscapescotland2012.com/>

SENSE Symposium: Ecosystems Under Stress

Date: 4 December 2012, Deadline for abstract submission and registration: 19 Nov 2012

Location: Wageningen University, Netherlands

Link: <http://www.sense.nl/articles/7984>

IPBES 1, First Plenary of the Intergovernmental Platform on Biodiversity and Ecosystem Services

Date: 21-26 January 2013

Location: Bonn, Germany

Link: <http://www.ipbes.net/plenary/ipbes-1.html>

YES (The Young Environmental Scientists) Meeting Interdisciplinary discourse on current environmental challenges

Date: 11-13 February 2013

Location: Jagiellonian University, Krakow, Poland

(YES meeting is organized by students for students only, most of the travel costs are reimbursed and it is an excellent opportunity for networking between peers)

Link: <http://www.sense.nl/articles/events/8017>

Mountains Under Watch

Date: 20-21 February 2013

Location: Aosta Valley, Italy

Link: <http://www.muw2013.it/>

FORECOM Opening Conference – Forest cover change in mountain regions – drivers, trajectories and implications

Date: 6-8 March 2013, Abstract submission by 31 December 2012

Location: Krakow, Poland

Link: <http://www.gis.geo.uj.edu.pl/forecom/index.html>

Intersoil 2013

Date: 26-28 March 2013

Location: Lyon, France

Link: <http://www.intersol.fr/>

European Geosciences Union General Assembly 2013: Successful Governmental Policies and Actions for a Better Soil Management, Soil erosion and desertification processes in Mediterranean areas

Date: 7-12 April 2013

Location: Vienna, Austria

Link: <http://www.equ2013.eu/>

First International Conference on Remote Sensing and Geo-information of Environment

Date: 8-10 April 2013

Location: Paphos, Cyprus

Link: <http://www.cyprusremotesensing.com/rscy2013/>

ALTER-net Conference: Science underpinning the EU 2020 Biodiversity Strategy

Date: 15-18 April 2013

Location: University of Ghent, Belgium

Link: <http://www.alter-net.info/outputs/conf-2012>

12th International UFZ-Deltares Conference on Groundwater-Soil-Systems and Water Resource Management

Date: 16-19 April 2013

Location: Barcelona, Spain

Link: <https://conference.ufz.de/frontend/index.php?sub=55>

Natural Disturbance: Post-Modern Lessons for Land Managers on Some Important Ecological Processes

Date: 29 April – 3 May 2013

Location: Bavarian Forest National Park, Neuschönau, Germany

Link: <http://www.nationalpark-bayerischer-wald.de/nationalpark/forschung/conference/index.htm>

Landscape and Imagination – Towards a new baseline for education in a changing world

Date: 2-4 May 2013, Call for papers - Deadline for submission: 15 June 2012

Place: Paris, France

Link: <http://www.uniscape.eu/pageNews.php?idCont=1413&lang=en&tit=International%20Conference%20%22Landscape%20and%20Imagination%22>

8th Annual International Symposium on Environment

Date: 13-16 May 2013

Location: Athens, Greece

Link: <http://www.conferencealerts.com/show-event?id=105594>

GWSP international conference: Water in the Anthropocene: Challenges for Science and Governance. Indicators, Thresholds and Uncertainties of the Global Water System

Date: 21-24 May 2013

Location: Bonn, Germany

Link: <http://www.gwsp.org/conference2013.html>

International Conference Mountain Protected Areas in a Changing World

Date: 21-24 May 2013

Location: Krkonose National Park, Czech Republic

Link: <http://konference.krnep.cz/konference/1/informace/>

BioHydrology Conference 2013 – Bio meets Hydrology: Water for life

Date: 21-24 May 2013

Location: Landau in der Pfalz, Germany

Link: <http://www.biohydrology2013.de/>

International Day of Biodiversity (Green Week, Brussels)

22 May 2013

10th European Dry Grassland Meeting (EDGM) – When theory meets practice:

Conservation and restoration of grasslands

Date: 24-31 May 2013

Place: Zamość, SE Poland

Link: http://www.botanik.uni-greifswald.de/edgg_meeting_2013.html

**International Conference Climate Change and Regional Response (CCRR-2013)
Impacts and adaptation strategies for public, commercial and private actors**

Date: 27-29 May 2013

Location: Dresden, Germany

Link: <http://www.regklam.de/1/ccrr-2013/>

Soil Carbon Sequestration: for Climate, Food Security and Ecosystem Services

Date: 27-29 May 2013

Location: Iceland

Link: <http://www.fao.org/globalsoilpartnership/events/detail/en/c/154385/>

Euro-American Conference for Academic Disciplines 2013

Date: 28-31 May 2013

Location: Prague, Czech Republic

Link: <http://www.internationaljournal.org/prague.html>

From effective to intelligent agriculture and forestry

Date: 3-5 July 2013

Location: Denmark

Symposium for Research in Protected Areas

Date: 10-12 June 2013

Location: Salzburg, Austria

Link: <http://www.hohetauern.at/en/research/forschungssymposien.html>

12th Global Conference Environmental Justice and Citizenship

Date: 10-12 June 2013

Location: Mansfield College, Oxford

Link: <http://www.inter-disciplinary.net/critical-issues/ethos/environmental-justice-and-global-citizenship/call-for-papers/>

European Conference on Sustainability, Energy and the Environment – Sustainability, Society and the Environment: Searching for Synergies"

Date: 4-7 July 2013

Location: Brighton, England

Link: <http://ecsee.iafor.org/index.html>

SURE – Society for Urban Ecology World Conference 2013

Date: 25-27 July 2013

Location: Berlin, Germany

Link: <http://www.geographie.hu-berlin.de/abteilungen/landschaftsoekologie/congress/sure-conference>

11th INTECOL Congress, Ecology: Into the next 100 years

Date: 18-23 August 2013

Location: ExCel, London, UK

Link: <http://www.intecol2013.org/>

European Society for Environmental History's 2013 Conference: "Circulating Natures: Water – Food – Energy"

Date: 20-24 August 2013

Location: Munich, Germany

Link: <http://www.eseh2013.org/call-for-papers.html>

European IALE Conference 2013 – Changing European Landscapes

Date: 9-12 September 2013

Place: Manchester, UK

Link: <http://www.iale2013.eu/>

7th International Conference of the Urban Soils Working Group, SUITMA

Date: 16-23 September 2013

Location: Torun, Poland

Link: <http://www.suitma7.umk.pl/>

The 10th World Wilderness Congress

Date: 4-10 October 2013

Location: Salamanca, Spain

Link: <http://www.business-biodiversity.eu/default.asp?Menu=25&Termin=283>

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)
- Aarhus University – National Environmental Research Institute (ENVSCI-AU)

Associate members:

- Cemagref, département Gestion des Territoires (Cemagref)
- 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 Dortmund University of Technology (LLP)
- 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
- ENVSCI-AU (DK): Pia Frederiksen
- CEH (UK): Paul Scholefield
- UFZ (D): Christoph Görg
- Cemagref (F): Dominique Vollet
- JRC (int): Maria Luisa Paracchini
- INBO (B): Geert de Blust
- TLU (EE): Hannes Palang
- ILESAS (SK): Peter Bezák

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

Website and Forum page

The website of LANDSCAPE EUROPE, 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.