

**IALE 2017 European Congress**

**From pattern and process to people and action**

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|  |  | **12 – 15 September 2017**  **Ghent, Belgium** |

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**Symposium Proposal Form**

Send this form to [info@iale2017.eu](mailto:info@iale2017.eu) before the 15th of November 2016.

**Title of the symposium (please use a short title):**

The Ecosystem Services framework and the concept of Landscape: towards holistic territorial approaches linking pattern, processes and people across Europe.

**Detail of convenor(s)**

Please provide the following details for each person that will be involved in running the symposium:

|  |  |
| --- | --- |
| Name: | José Muñoz-Rojas |
| Title: | Researcher in Rural Land Use and Landscapes |
| E-mail: | jmrojas@uevora.pt |
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| Name: | Teresa Pinto-Correia |
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| Name: | Per Angelstam |
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| Name: | Diaz-Maroto, Ignacio J. |
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**Short symposium abstract**

(max 600characters)

Ecosystem Services aim to embed ecological goals onto political-economic decisions. However, they fail to capture the complexity in social-ecological interactions, leading to fragmented land-use decision-making and valuation. Consideration of landscape´s multiple dimensions represents a pathway forward. This symposium will discuss the advantages and limitations of the concept of landscape, and of landscape ecology, to facilitate the contribution of the Ecosystem Services framework towards devising holistic territorial approaches that can underpin sustainability by better linking together pattern, processes and people.

**Context, theme and objectives of the symposium**

(max 3000 characters)

Ecosystem Services are defined as the benefits people obtain from ecosystems. This concept has the potential to drive a paradigmatic shift in how land-use decision making is operationalized (Albert et al, 2014; Förster et al, 2015). Ecosystem Services are nowadays considered as the key framework to embed ecological goals onto political-economic decisions. However this concept is challenged by scientific, operational and ideological critiques (Norgaard, 2010; Hauck et al, 2013; Jax et al, 2013). Key critiques include the decoupling of the natural and human dimensions of land-use, and the neglect of landscape stewardship challenges that are inherent to the Ecosystem Services framework (Schröter et al, 2014).

This is most relevant for territories where ecological and cultural values are considered relevant due to their long and rich human history, such as cultural landscapes spanning from the Mediterranean (Blondel, 2006) to the boreal biomes (Sporrong, 1998). Europe is indeed a continent where the cultural, natural and social components of the territory, including traditional landscape stewardship approaches, are inextricably inter-linked. This has resulted in a rich and diverse mosaic of land-use systems that is however declining. Furthermore, these three territorial aspects, cultural, natural and social, are coincident with the three pillars in the definition of Landscapes by the European Landscape Convention (EC, 1999), and also with the frameworks of sustainable development and social-ecological resilience, both of which underpin territorial strategic governance in Europe (EC, 2011).

We thus argue that landscapes, as coupled social-ecological systems, are the main source for the multiple services, values and benefits arising from the complex interactions between European Societies and their natural and cultural environments. Under this premise landscape ecology is well placed to provide with the main theoretical basis for integrated territorial approaches. However, the co-production of a widened knowledge basis ought to be sought by engaging with scientists in other relevant disciplines and also with other key stakeholders operating at different scales.

Consequently, this symposium will foster discussions on the opportunities to combine the Ecosystem Service and landscape concepts to help disentangle the complex territorial relations between humans and nature across Europe and (Bastian et al, 2014). Furthermore, we would like to extend this discussion to all relevant integrative territorial frameworks for land-use decision making, including landscape stewardship, that show potential to enhancing sustainable development and social-ecological resilience. Ultimately, we expect that discussion will advance in the generation of new knowledge useful to define more effective pathways to combine pattern and process with people and action.

We welcome submission of papers using both theoretical and empirical approaches looking at advancing either (or various) of the following research questions:

1. What is the scope for the landscape concept to resolve key challenges and barriers in the Ecosystem Services framework that may hinder land-use decision-making towards sustainable development and resilience?
2. Which are the main territorial challenges in the European context that can be addressed by integrating the Ecosystem Services framework and the Landscape concept towards holistic land-use decision making?
3. How useful are Integrative territorial frameworks to generate more effective models for European land-use decision making that better integrate social and ecological systems?
4. What are the barriers and bridges to integrate researchers’ and practitioners’ knowledge production; especially in relation to landscape approaches?

**Symposium methods**

**X Oral presentations**

Flash presentations

**X Workshop**

**X Poster**

Other (in this case specify)

(choose all that apply)

**Do you want to apply for one, two or three 100 minute sessions?**

One 100 minute session

Two 100 minute sessions

**X Three 100 minute sessions**

Do not know yet

**Possible speaker(s)**

You may suggest speakers for the symposium. This is not essential because there will be an open call for presentations for all symposia.

Please supply the following information for each proposed speaker:

|  |  |
| --- | --- |
| Name: | Karsten Grunewald/ Olaf Bastian/Maria Vallés-Planells |
| Topic: | Landscape Services |
| E-mail: | [k.grunewald@ioer.de](mailto:k.grunewald@ioer.de) [/Olaf.Bastian@web.de/ convalpl@agf.upv.es](mailto:/Olaf.Bastian@web.de/%20convalpl@agf.upv.es) |
| Organisation/Affiliation: | Leibniz Institute for Ecological Urban and Regional Development/ Stadt Dresden, Sachgebiet Naturschutz/Universitat Politécnica de Valencia |
| Short abstract (max 600 characters): | To be agreed upon speakers´ acceptance to participate |
| Status: | Tentative |

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| Name: | Ülo Mander/ Hannes Palang/Alexander Khoroshev |
| Topic: | Landscape (Systemic) Approaches |
| E-mail: | [ulo.mander@ut.ee](mailto:ulo.mander@ut.ee) / [hannes.palang@tlu.ee](mailto:hannes.palang@tlu.ee) / [akhorosh@orc.ru](mailto:akhorosh@orc.ru) |
| Organisation/Affiliation: | University of Tartu/University of Tallin/Lomonosov State University Moscow |
| Short abstract (max 600 characters): | To be agreed upon speakers´ acceptance to participate |
| Status: | Tentative |

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| Name: | Georges Bertrand/Marina Frolova/ Simin Davoudi |
| Topic: | Integrative Territorial Approaches (e.g. geo-systems, territorial cohesion, resilience) to governance, management and planning |
| E-mail: | [gbertran@univ-tlse2.fr](mailto:gbertran@univ-tlse2.fr) / [mfrolova@ugr.es](mailto:mfrolova@ugr.es) / [simin.davoudi@ncl.ac.uk](mailto:simin.davoudi@ncl.ac.uk) |
| Organisation/Affiliation: | CNRS-Toulouse /GEODE)/ Universidad de Granada/Newcastle University |
| Short abstract (max 600 characters): | To be agreed upon speakers´ acceptance to participate |
| Status: | Tentative |

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| Name: | Dr. Azevedo, J.C. |
| Title: | Landscape services provided by forests: changes in economic  estimate |
| E-mail: | jazevedo@ipb.pt |
| Organisation/Affiliation: | Departamento de Ambiente e Recursos Naturais, Instituto  Politécnico de Coimbra, 5301-854 Bragança, Portugal. |
| Short abstract (max 600 characters): | This communication shows a methodology for estimating the  ecosystem services provided by forests worldwide. To this end,  it considers the provision of timber and non-timber products,  recreation and passive use as well as the contribution to  climate change by their carbon sequestration capacity. |
| Status: | Tentative |

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| Name: | Dra. Roura-Pascual, N. |
| Title: | Rural landscape services in the eastern Pyrenees over the last  century |
| E-mail: | nuri.roura@udg.es |
| Organisation/Affiliation: | Departament de Ciències Ambientals, Universitat de Girona,  Campus de Montilivi s/n, 17071 Girona, Spain. |
| Short abstract (max 600 characters): | The wide variety of rural landscape services within the study  area, e.g. food production, water quality, erosion protection,  recreation, and others, necessitates the use of a wide range of  data sources for their identification. And, as such, it should  provide vital information for policy makers and planners. |
| Status: | Confirmed |

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| Name: | Dr. Gulickxa, M.M.C. |
| Title: | Mapping landscape services in the multifunctional rural  landscapes: study case in The Netherlands |
| E-mail: | monique.gulickx@wur.nl |
| Organisation/Affiliation: | Soil Geography and Landscape Group, Wageningen University,  PO Box 47, 6700AA Wageningen, The Netherlands. |
| Short abstract (max 600 characters): | This paper shows a methodology for estimating the landscape  services provided by the multifunctional rural lands. Then, a  variety of approaches is required to analyze and map different  landscape services: e.g., wetland habitat, forest recreation,  breeding of land animals and recreation for hikers. |
| Status: | Tentative |

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| Name: | Dra. Hernandez-Morcillo, M. |
| Title: | Empirical review of indicators of cultural ecosystem services as  a paradigm of the process between people and actions |
| E-mail: | m.hernandez47@gmail.com |
| Organisation/Affiliation: | Berlin-Brandenburg Academy of Sciences and Humanities,  Ecosystem Services Research Group, 10117 Berlin, Germany. |
| Short abstract (max 600 characters): | Over centuries ago human well-being has benefited from  ecosystems, not only through tangible products, but also  through intangible assets known as cultural ecosystem  services. Despite growing research over the last decade,  cultural services assessment still remains arbitrary and is very  limited to marketable services such as tourism. Problems in  standardizing definitions and measurements have challenged  cultural services accounting in decision making processes. |
| Status: | Confirmed |

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| Name: | Dr. Diaz-Maroto, I.J. |
| Title: | Non-commercial evaluation of forest service’s: variability in  function of geographical regions and forests |
| E-mail: | ignacio.diazmaroto@usc.es |
| Organisation/Affiliation: | Departamento de Ingeniería Agroforestal, Universidad de  Santiago de Compostela, 27002 Lugo, Spain. |
| Short abstract (max 600 characters): | As regards non-market valuation, this paper relies on the  knowledge to draw suitable values for forest services, to be  scaled up at the global level. The valuation framework is built  in order to cover, for each ecosystem service, the highest  variability in terms of geographical regions and forests. |
| Status: | Confirmed |

**What can the symposium participants expect to learn?**

(max 600 characters)

Those presenting and attending this symposium are expected to benefit from the following learning objectives:

1. Advancing knowledge on the potential of integrating Ecosystem Services and the concept of Landscape towards integrative territorial frameworks aimed to improve land-use decision-making and to better link pattern and process with people,
2. Learning from exemplary case studies across Europe that have successfully applied territorial frameworks underpinned by objectives of sustainability and resilience,
3. Becoming actively involved in the creation of a European network of researchers (and practitioners) developing integrative territorial and landscape approaches.

**How will the outcomes of the symposium be communicated and what will be its impact?**

(max 600 characters)

A communication strategy is envisaged consisting of the following points:

1. The symposium will be structured in three sub-sessions; a first one focusing on 8 key-note oral presentations (12 minutes each) addressing the three main questions posed for discussion, a poster sub-session featuring specific regional case studies, and a discussion group setting a working group linked to IALE-Europe.
2. A special issue in the Journal of Landscape Ecology will be promoted. This special issue will contain a paper on each of the key-note oral presentations, plus selected papers from the posters and contributors to the discussion group.
3. The working group shall be open to all members of IALE-Europe and to any others interested, also including actors in decision making arenas.