

***Dear Colleagues and Friends,***

***Welcome to Milan!*** Milan is one of the most important and stylish cities in Italy. In recent times, Milan is experiencing a sort of rebirth: it has received national and international recognitions for being one of the cities with the best quality of life, where the urban redevelopment projects of the last few years have contributed in making it an extremely contemporary and interesting city.

The University of

Milano-Bicocca was founded as autonomous organization on June 10<sup>th</sup> 1998. The University was established with the aim of making Research the strategic foundation of all institutional activities. Research is meant as expansion of knowledge, as enhancement of training, a vehicle through which is organized the relationship with the territory, that also gives a strong contribution to the development of the productive system. Today, the University of Milano-Bicocca is a multidisciplinary University which trains professionals in various fields: economics and statistics, legal, scientific, medical, sociological, psychological and pedagogical.

At IALE2019 we are expecting 1000 delegates, from more than 60 countries, to hear 5 plenary presentations. We are hosting about 750 presentations in several parallel sessions and symposia. More than 200 posters will also be displayed during IALE 2019. Together we will focus on different aspects of landscape ecology and the challenges of the Anthropocene. Our sessions and symposia are clustered into twenty broad thematic areas: biocultural landscapes, biodiversity conservation, disturbances in landscapes, education & citizen science, from landscape pattern to functions, future: scenarios and new landscapes, geography and landscape ecology, green and blue infrastructures, history, dynamic and transformations of landscapes, landscape ecosystem functions and services, landscape governance, landscape modelling, landscape planning, restoration of habitats and landscapes, socio-economic-ecological systems, specific landscapes, technologies and landscape ecology, theory of landscape ecology, urban regions and vegetation science and landscape ecology. From these session, a number of special issues of scientific journals will be produced, illustrating the dedication of IALE community to record the ideas, results and conclusions of their presentations.

All delegates of IALE 2019 world congress are aware of world's current environmental problems, related largely to increases of human population, and the needs of mankind in the Anthropocene. In IALE 2019 we will unite researchers and practitioners from different disciplines to work together towards the common goal of working for an ecologically sustainable planet.

A special thanks to our symposia organizers, and to scientific and organizing committees, for their enthusiasm and for putting together an exciting and stimulating scientific program. A grateful thanks to IALE International, our sponsors (Cariplo Foundation and MDPI Journals), to volunteer students who help the secretariat, and to the University of Milano-Bicocca.

Finally, we thank you congress delegates, for participating in IALE2019, and for building together an intellectually rich and diverse congress. We hope that you have a fruitful and rewarding week, and that your stay in Milan will be both scientifically and culturally memorable.

Kind Regards,

*Emilio Padoa-Schioppa*

*Christine Fürst*

*Gioia Gibelli*

#### **Editor-in-Chief**

Prof. Dr. Andrew Millington

#### **Message from the Editor-in-Chief**

*Land* is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars and we aim to publish high quality research and scholarship. By addressing important global issues across the broad sweep of land science, e.g., urbanization, land grabbing and ecosystem services, *Land* promotes an understanding which will lead to solutions that will benefit human wellbeing and environmental sustainability.

#### **Aims and Scope**

*Land* (ISSN 2073-445X) is an international and crossdisciplinary open access journal of land use/land change, land management, land system science and landscape, etc. It publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. Our aim is to encourage scientists to publish their experimental and theoretical research in as much detail as possible in order that results can be reproduced.

The scope of *Land* includes:

All aspects of land use and land cover change

Land systems science

Land-related issues in climate, ecology, environmental sciences and geosciences

Land management, including the application of ecosystem services approaches

Livelihoods, food security and supply chains in relation to land issues

Land tenure, including disputes and land grabs

Landscape planning, conservation and management

#### **Editorial Office**

*Land* Editorial Office

land@mdpi.com

MDPI, St. Alban-Anlage 66

4052 Basel, Switzerland

Tel: +41 61 683 77 34

Fax: +41 61 302 89 18

www.mdpi.com

mdpi.com/journal/land

## **Congress chairs**

Emilio Padoa-Schioppa (*University of Milano-Bicocca, Italy*)

Christine Fürst (*Martin Luther University Halle-Wittenberg, Germany; IALE International*)

Gioia Gibelli (*SIEP-IALE Italy*)

## **Scientific committee**

Andrew Bennet (*La Trobe University, Australia*)

Danilo Boscolo (*University of São Paulo, Brasil*)

Henry Bulley (*University of New York, USA*)

Veerle van Eetvelde (*University of Ghent, Belgium*)

Francisco Javier Escobedo (*Universidad del Rosario in Bogotá, Colombia*)

Almo Farina (*University of Urbino, Italy*)

Christine Fürst (*Martin Luther University Halle-Wittenberg, Germany*)

Gioia Gibelli (*SIEP-IALE Italy*)

Simona Gradinaru (*University of Bucharest, Romania*)

Jochen Jaeger (*Concordia University in Montreal, Canada*)

Federica Larcher (*University of Turin, Italy*)

Xiuzhen Li (*East China Normal University, P.R. China*)

Isabel Loupa Ramos (*Technical University of Lisbon, Portugal*)

Fausto Manes (*University of Rome, Italy*)

Paola Mairota (*University of Bari, Italy*)

Marc Metzger (*Edinburgh University, UK*)

Jess Neumann (*University of Reading, UK*)

Emilio Padoa-Schioppa (*University of Milano*)

Irene Petrosillo (*University of Salento, Italy*)

Gloria Pungetti (*University of Sassari, Italy; University of Cambridge, UK*)

Robert Scheller (*NC State University, USA*)

Werner Rolf (*Technical University of Munich, Germany*)

Thomas Wrba (*University of Wien, Austria*)

## **Organizing committee**

Emilio Padoa-Schioppa (*SIEP-IALE, University of Milano-Bicocca, Italy*)

Gioia Gibelli (*SIEP-IALE – Italy*)

Margherita del Castillo (*Opera d'Arte, Congress Secretariat*)

Luca Bisogni (*SIEP-IALE – Italy*)

Claudia Canedoli (*University of Milano-Bicocca, Italy*)

Angela Colucci (*SIEP-IALE – Italy*)

Serena D'Ambrogi (*SIEP-IALE – Italy*)

Olivia Dondina (*University of Milano-Bicocca, Italy*)

Rodolfo Gentili (*University of Milano-Bicocca, Italy*)

Elena Gissi (*IUAV Venezia*)

Giovanna Pezzi (*SIEP-IALE – Italy*)

Federica Larcher (*SIEP-IALE – Italy*)

Paola Mairota (*University of Bari – Italy*)

Elisa Morri (*University of Urbino - SIEP-IALE*)

Gloria Pungetti (*University of Sassari, Italy; University of Cambridge, UK*)

## **Conference secretariat**

Società Cooperativa Opera d'Arte srl

via Arese 18 - 20159 MILANO

e mail: [info@operadartemilano.it](mailto:info@operadartemilano.it)

## **Conference venue**

University of Milano-Bicocca – Italy

Piazza dell'Ateneo Nuovo 1 – 2016 Milano

### Registration & Information desk

The registration/information desk will be located in building U6, ground floor, and will remain open throughout the conference staffed during the following working times:

- |                                  |               |
|----------------------------------|---------------|
| • Monday 1 <sup>st</sup> July    | 11:30 – 19:00 |
| • Tuesday 2 <sup>nd</sup> July   | 08:00 – 18:00 |
| • Wednesday 3 <sup>rd</sup> July | 08:00 – 14:00 |
| • Thursday 4 <sup>th</sup> July  | 08:00 – 18:00 |
| • Friday 5 <sup>th</sup> July    | 08:00 – 16:00 |

### Badges

For security reason and catering purposes please make sure you wear your conference badge.

### Conference bags & delegate manuals

Please make sure that you insert a business card or a name card in your bag. Please also write your name in your delegate program, and do not leave either your book or bag unattended at the conference at any time. Free of charge replacements are not available.

### Oral presentations

Oral presenters are asked to take the presentation to technician in slide centre as soon as possible after arrival and at least in the morning You are reminded to be in the room 5/10 minutes before the start of your session to meet with the session chair and check final details.

### Poster sessions

Poster presenters should refer to information board in registration area to check which board number has been allocated to them. Appropriate material to hang the poster will be provided at registration desk. The organizer do not take any responsibility for posters not removed at the endo of the congress.

### Messages

Messages for delegates received at registration desk will be posted on the message board at registration. You are welcome to use the message board to contact fellow delegates

### Certificate of attendance

Certificate of attendance are available in your delegate material.

**Refreshments & Drinks reception**

The registration fee includes the welcome drink on Monday evening, coffee breaks and three light lunch on Tuesday, Thursday and Friday

**Luggage room**

On Monday and Friday there will be a luggage storage service. Please ask to registration desk.

**Excursions and short courses**

Instructions for excursions and short courses on Wednesday are available in the envelop distributed during registration

**Language**

The official language of the congress in English

**Congress team contacts**

Margherita del Castillo

+39 3398047977

E-mail: [jale2019.info@unimib.it](mailto:jale2019.info@unimib.it)

## Code of Conduct

IALE2019 values the diversity of views, expertise, opinions, backgrounds, and experiences reflected among IALE members and the broader landscape ecology community, and is committed to providing a safe, productive and welcoming environment for all participants of IALE2019 World Congress. IALE meetings and events can serve as an effective forum to consider and debate science-relevant viewpoints in an orderly, respectful, and fair manner. This Code of Conduct is important to promoting diversity and creating an inclusive, supportive, and collaborative environment for all peoples.

All IALE meetings and events participants – including, but not limited to, attendees, speakers, volunteers, exhibitors, IALE staff, members of the media, vendors, and service providers (hereinafter “participants”) – are expected to abide by this IALE 2019 Code of Conduct. This Code of Conduct applies in all venues, including ancillary events and social gatherings, and on-line forums and discussions associated with the IALE2019.

### **Expected behaviour**

- Treat all participants with kindness, respect and consideration, valuing a diversity of views and opinions (including those you may not share).
- Communicate openly, with respect for other participants, critiquing ideas rather than individuals.
- Refrain from demeaning, discriminatory, or harassing behaviour and speech directed toward other participants.
- Be mindful of your surroundings and of your fellow participants. Alert IALE2019 staff if you notice a dangerous situation or someone in distress.
- Respect the rules and policies of the meeting venue, IALE2019-contracted facility, or any other venue.

### **Unacceptable behaviour**

- Harassment, intimidation, or discrimination in any form. Harassment includes speech or behaviour that is not welcome or is personally offensive. Behaviour that is acceptable to one person may not be acceptable to another, so use discretion to be certain respect is communicated. Harassment intended in a joking manner still constitutes unacceptable behaviour.
- Examples of unacceptable behaviour include, but are not limited to:
- Physical or verbal abuse of any participant
- Unwelcome or offensive verbal comments or exclusionary behaviour related to age, appearance or body size, employment or military status, ethnicity, gender identity and expression, individual lifestyle, marital status, national origin, physical or cognitive ability, political affiliation, sexual orientation, race, or religion
- Inappropriate physical contact
- Unwanted sexual attention
- Use of sexual or discriminatory images in public spaces or in presentations
- Deliberate intimidation, stalking, or following
- Harassing photography or recording, including taking photographs or recording of another individual's oral presentation or poster without the explicit permission of that individual and of IALE2019
- Sustained disruption of talks or other events
- Bullying behaviour
- Retaliation for reporting unacceptable behaviour

### **Immediate serious threat to public safety**

Anyone experiencing or witnessing behaviour that constitutes an immediate or serious threat to public safety at any time should contact local law enforcement (by calling 112) and immediately notifying facility security.

### **Reporting Unacceptable Behaviour**

If you are not in immediate danger but feel that you are the subject of unacceptable behaviour, have witnessed any such behaviour, or have other concerns, please notify an IALE2019 staff member (as soon as possible) who can work with appropriate IALE leadership to resolve the situation. All reports will be treated seriously and responded to promptly.

Once ESA is notified staff will discuss the details first with the individual filing the complaint, then any witnesses who have been identified, and then the alleged offender before determining an appropriate course of action. Confidentiality will be maintained to the extent that it does not compromise the rights of others.

### **Consequences**

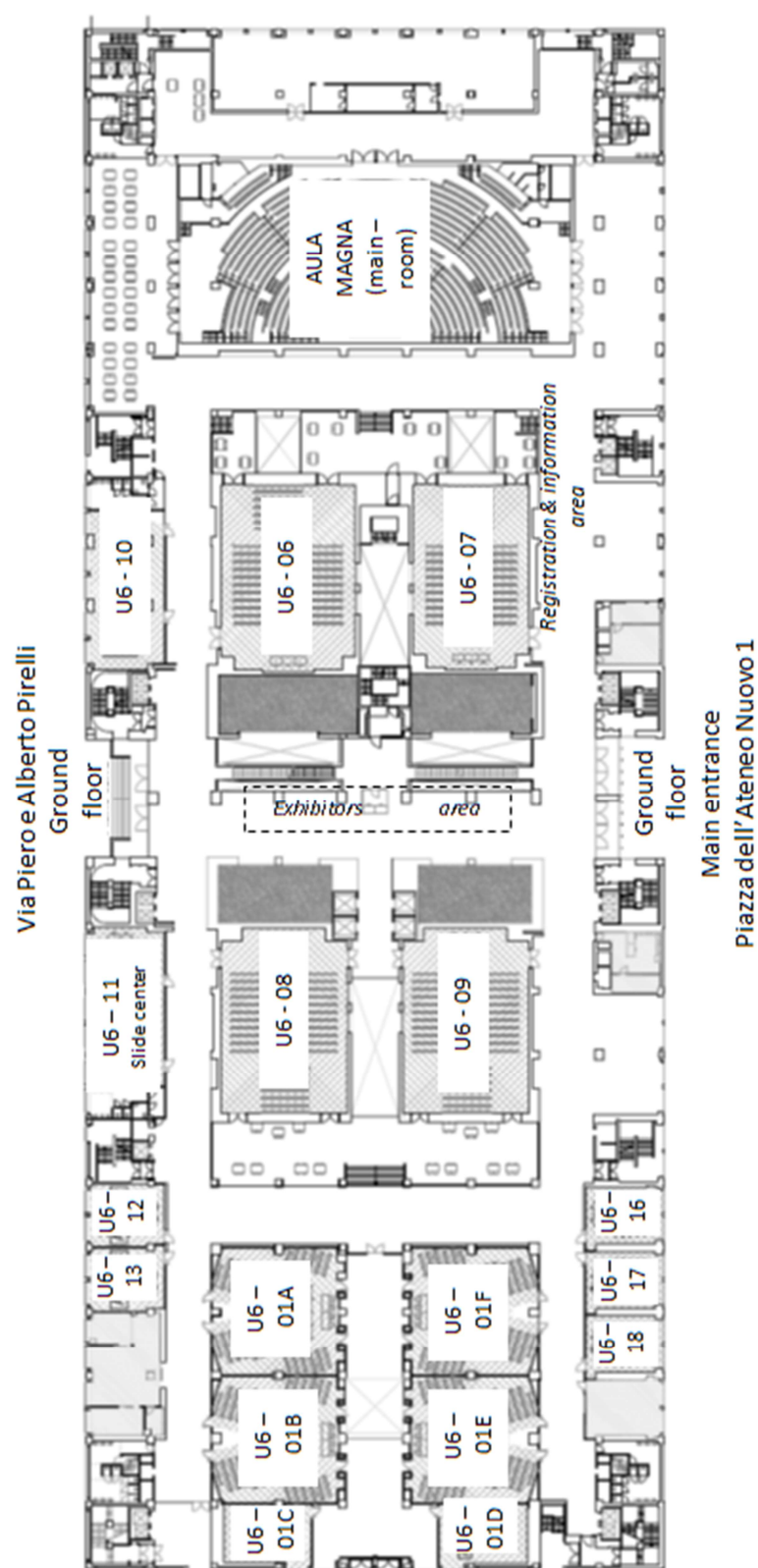
Anyone requested to stop unacceptable behaviour is expected to comply immediately.

IALE2019 staff (or their designee) or security may take any immediate action deemed necessary and appropriate, including removal from the meeting or event without warning or refund.

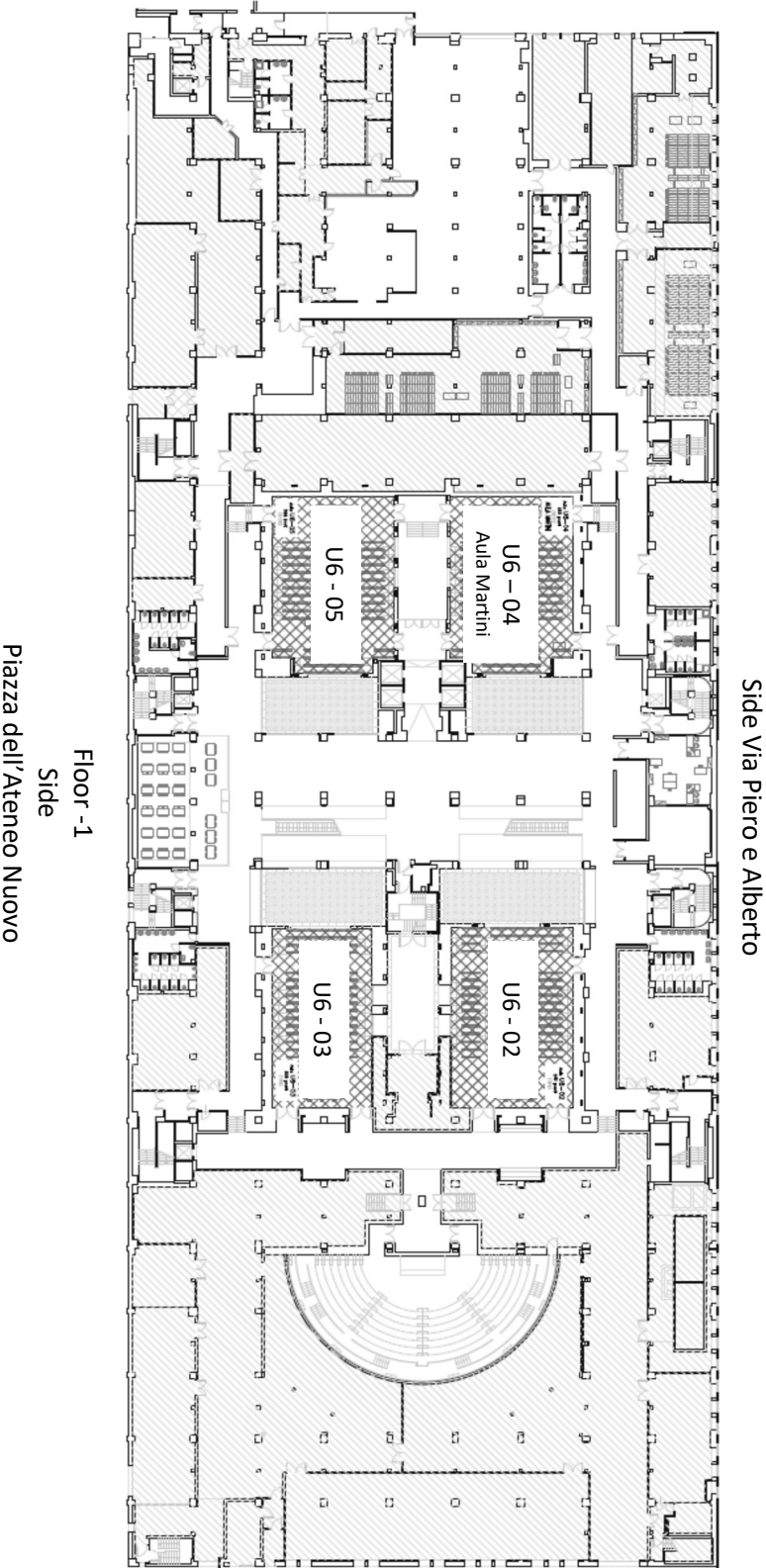


## Floorplans

### Floorplans Ground Floor



Floorplans Floor -1



## Plenary Speakers Biography and Abstracts

### Landscape Ecology in a Changing Climate: Science, Society and Action

**(Monday 1<sup>st</sup> July)**

**Harini Nagendra**

*Azim Premji University, India*

In this talk, I look back at changes in the field of landscape ecology, many of which I have personally experienced as a landscape ecologist over the past twenty-five years. Landscape ecology has emerged as a leading area of study over the past decades, focused at the intersection of geography and ecology. This research area has witnessed impressive growth. Stimulated by advances in remote sensing technologies and computing capabilities, a detailed ecological understanding of pattern-to-process relationships has emerged over time. With time, it became clear that the study of landscape transformations requires a deep understanding of social, cultural and economic drivers of change. Understanding the role of biophysical and ecological processes is necessary, but by no means sufficient. Landscape ecology has creatively transformed itself in response to this challenge, blending insights from cultural ecology and human geography. In doing so, landscape ecology has changed in character, from a multi-disciplinary research domain, to one that is fundamentally inter-disciplinary.

In today's times, when climate change and urbanization are transforming the face of the earth in unprecedented ways, another change is required in the field. Landscape ecology is urgently needed to engage with, inform and stimulate action in diverse, creative, transdisciplinary ways. A major challenge for landscape ecologists is to engage with practice, education and action, and provide transformative research that can respond to these emerging and future needs. I draw on the changing landscape of academic literature, as well as my own work - based in India, but with collaborative research in South Asia, Latin America, Europe and the USA – to discuss changes in landscape ecology over a long time period, and outline some critical challenges for landscape ecologists in future decades.



#### ***Harini Nagendra bio sketch***

Harini Nagendra is a Professor in Sustainability at Azim Premji University, Bangalore, India, where she anchors the Centre for Urban Sustainability in India. Over the past 20 years, she has been at the leading edge of research examining conservation in forests and cities from the perspective of both landscape ecology and social justice. For her interdisciplinary research and practice, she has received a number of awards including a 2009 Cozzarelli Prize from the US National Academy of Sciences, 2013

Elinor Ostrom Senior Scholar award, and 2017 Clarivate Web of Science award. Her publications include the books "Nature in the City: Bengaluru in the Past, Present and Future" (Oxford University Press, 2016) and "Cities and Canopies: The Tree Book of Indian Cities" (Penguin, 2019) as well as recent publications in Nature, Nature Sustainability, and Science. She writes regularly on public science issues in newspapers, blogs and other fora. Professor Nagendra engages with international science and policy through her current and past participation on the Future Earth Steering Committees of Diversitas, Global Land Project, and Programme for Ecosystem Change and Society.

## Managing Earth's Landscapes Towards a Better Future

Erle Ellis

*University of Maryland*

**(Monday 1<sup>st</sup> July)**

For millennia, human societies have been reshaping landscapes to sustain themselves. Now, anthropogenic landscapes cover more than three quarters of Earth's land, wild habitats are shrinking, human populations continue to grow, the planet is heating up, and species are rapidly going extinct. Under such conditions, is it still possible to make enough space for nonhuman nature to thrive together with humanity over the long term? To move towards a better future for life on land we must first recognize that human societies gained the capacity to grow and develop over the long-term not by using up and destroying environments, but rather by evolving ever greater scales of social and material exchange supported by increasingly productive agroecosystems. Can this capacity to evolve economies of scale be leveraged to create a better future not only for humanity but also for nonhuman nature? The answer depends on all of us. The nature we sustain on this planet will be the nature we work to make space for together.



### ***Erle Ellis bio sketch***

Erle Ellis is Professor of Geography and Environmental Systems at the University of Maryland, Baltimore County (UMBC) where he directs the Laboratory for Anthropogenic Landscape Ecology (<http://ecotope.org/people/ellis>). His research investigates the ecology of human landscapes at local to global scales to inform sustainable stewardship of the biosphere in the Anthropocene. His recent work examines long-term changes in Earth's ecology produced by human societies (anthroecology; anthromes). Other projects include online tools for global synthesis of local knowledge (GLOBE) and inexpensive tools for mapping landscapes in 3D (Ecosynth). He is a member of the Anthropocene Working Group of the International Commission on Stratigraphy, a Fellow of the Global Land Programme and a Senior Fellow of the Breakthrough Institute. He teaches environmental science and landscape ecology at UMBC, and has taught ecology at Harvard's Graduate School of Design. His first book, *Anthropocene: A Very Short Introduction* was published by Oxford University Press in 2018.

## Anthropocene Challenges to Urban systems, models, actors, landscapes; Metropolis to Megacity: a dialogue between teacher and scholar.

(Thursday 2<sup>nd</sup> July)

### Grahame Shane bio (the “teacher”)

Grahame Shane studied at the Architectural Association, London (AA Dipl 1969), and at Cornell for an M.Arch (Urban Design 1972) and an Architectural and Urban History PhD (1978) with Professor Colin Rowe.

He taught at the AA in the 1970’s for Alvin Boyarsky and at Bennington College, before starting at Columbia in the 1980’s, in Urban Design since 1991.

He has lectured widely and published in Europe, USA and Asia.

He co-edited “*Sensing the 21st Century City: Close-Up and Remote*” (Architectural Design 2005) and is the author of *Recombinant Urbanism: Conceptual Modeling in Architecture, Urban Design and City Theory* (2005) and *Urban Design Since 1945; a Global Perspective* (2011).



### Ed Wall bio (the “scholar”)

Ed is Academic Leader Landscape at the University of Greenwich and Visiting Professor at Politecnico di Milano. In 2017 he was City of Vienna Visiting Professor 2017: Urban culture, public space and the future – Urban equity and the global agenda (TU Wien/SKuOR). He is currently an external examiner at the Architecture Association in London.

Ed completed his PhD in the Cities Programme at the London School of Economics (LSE) exploring relations between different ways that public spaces have been made and remade in London. Ed initially trained in landscape architecture in Manchester (MMU) and urban design, under Michael Sorkin, in New York (CCNY).

Ed has written widely, including for journals *Urban* (2013), *Landscape: The Journal of the Landscape Institute*



(2011, 2012) and *Topos* (2011) and essays for *Teaching Landscape* (2018), *Representing Landscapes: Analogue* (2018), *OASE 98*(2017), *Questo Metropolitan Architecture* (2015), *Revising Green Infrastructure: Concepts Between Design and Nature* (2014), *Educating Architects* (2014) and *Infrastructural Urbanism: Addressing the In-Between* (2011). Ed has written several books, most recently he has co-edited, with Tim Waterman, *Landscape and Agency* (2017). In 2015 he founded, with Alex Malaescu, *Testing-Ground: The Journal of Landscapes, Cities and Territories*.

Currently, Ed is guest editing a future landscape issue of Architectural Design (AD).



## ***A voice outside landscape ecology - From genetics to artificial intelligence: the brilliant intuitions of Primo Levi on the destiny of Man***

**Gianfranco Pacchioni**

*University Milano-Bicocca*

**(Friday 5<sup>th</sup> July)**

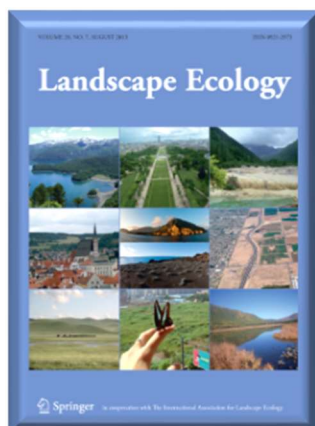
Artificial intelligence, human genetics, brain-machine interface, tissue engineering, are just some of the several technologies that are profoundly modifying the relationship between Man and the surrounding environment at a speed never experienced before. Future scenarios are largely unpredictable, except that our species is rapidly evolving towards something completely different, with no parallel in the entire history of humanity. Perhaps *Homo sapiens* is coming to an end, and is going to be replaced by something that we do not know yet how to define. But there are people who had very keenly sensed this, and who tried to warn us: Primo Levi. In his fantastic novels, written more than half a century ago, the author of *If This is a Man* has clearly predicted processes and technologies that are gradually taking shape, and are becoming reality. With consequences for our society and environment that at the moment we can only try to imagine, not without some anxiety.



### **Gianfranco Pacchioni bio-sketch**

Gianfranco Pacchioni received his PhD at the Freie Universität Berlin in 1984. He worked at the IBM Almaden Research Center, and at the Technical University of Munich. Since 2000 he is Full Professor at the University of Milano Bicocca where he is presently Vice Rector for Research and where he has been Director of the Department of Materials Science for several years. He has published more than 500 papers and given about 400 invited talks on the electronic structure of oxides and their surfaces and interfaces, defects in oxides, supported metal clusters, and catalysis. His work has received 23.000 citations, with an h-index of 80 (source: Web of Science). He received several awards and is Fellow of the Accademia Nazionale dei Lincei (2014), the Accademia Europaea (2012), and the European Academy of Sciences (2009).

# Exhibitors



## Springer Journal "Landscape Ecology"

Springer journal **Landscape Ecology** is the flagship journal of the **International Association for Landscape Ecology**. It publishes theoretical, methodological, and empirical studies that help better understand and improve the ecology and sustainability of landscapes.

## Oxford University Press

Oxford University Press publishes some of most respected and prestigious books and journals in the world. A wide range of current and relevant new titles are on display at the meeting. Please visit our booth or [www.oup.com](http://www.oup.com) to take advantage of a 30% discount (use code EXIALE19 which is valid for 2 months).

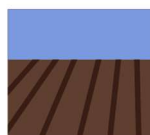
**OXFORD**  
UNIVERSITY PRESS

We are particularly delighted to announce the publication this week of *Essentials of Landscape Ecology* (by Kimberly With), a major new resource for students and instructors of landscape ecology. The author is attending the conference in person and will be available to sign advance copies of her book.



**sustainability**

an Open Access Journal by MDPI



**land**

an Open Access Journal by MDPI



**climate**

an Open Access Journal by MDPI

## MDPI

MDPI is an academic open access publisher of peer-reviewed journals established in 1996 and based in Basel, Switzerland. MDPI publishes 205 diverse peer-reviewed, scientific, open access, electronic journals, including Sustainability (launched in 2009; Impact Factor 2.075), Climate (launched in 2013; Scopus 1.95), Land (launched in 2012; Scopus 2.15). MDPI has published the research of 263,500 individual authors, and become one of the leading open access publishers in the world. All our content is open access, distributed under a Creative Commons License. MDPI is a member of COPE, STM and OASPA

# CONGRESS PROGRAM

## MONDAY, 1<sup>st</sup> July 2019

<b>11.30</b>	<b>Registration opening</b> <b>Building U6, ground floor</b>
<b>14:30 - 15:00</b>	<b>Congress Opening</b> <b>Room: Aula Magna</b>  <i>Emilio Padoa-Schioppa (Congress chair – University of Milano-Bicocca)</i> <i>Andrea Zanchi (Director of Earth and Environmental Sciences Department - University Milano-Bicocca)</i> <i>Christine Fürst (President IALE-International)</i> <i>Gioia Gibelli (President IALE-Italy)</i>
<b>15:00 – 15:45</b>	<b>PLENARY TALK</b> <b>Room: Aula Magna</b> <b>Chairman – Paola Mairota</b> <b>Landscape Ecology in a Changing Climate: Science, Society and Action</b> <b>Harini Nagendra</b> <i>Azim Premji University, India</i>
	<i>Coffee break</i>
<b>16:15 – 17:00</b>	<b>PLENARY TALK</b> <b>Room: Aula Magna</b> <b>Chairman – Paola Mairota</b>  <b>Managing Earth's Landscapes Towards a Better Future</b> <b>Erle Ellis</b> <i>University of Maryland, USA</i>
<b>17:00 – 18:30</b>	<b>IALE missions, visions, awards and travel supports</b> <i>Chaired by Christine Fürst and Rob Scheller</i>
<b>18:30 – 19:00</b>	<b>Poster session 1</b> <b>Groundfloor</b>
<b>19:00</b>	<b>Welcome cocktail</b>



## TUESDAY, 2<sup>th</sup> July 2019

<b>8.30-10.00</b>	<b>PLENARY TALK</b>  <b>Anthropocene Challenges to Urban systems, models, actors, landscapes; Metropolis to Megacity: a dialogue between teacher and scholar.</b>  Grahame Shane and Ed Wall
-------------------	--

## Tuesday, 2 July 2019

<b>10.30-12.30</b>	<b>Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals</b> <b>Room: Aula Magna</b> Session Organisers: Wenwu Zhao <sup>1</sup> , Yihe Lu <sup>2</sup> , Manish Kumar Goyal <sup>5</sup> , Francesco Cherubini <sup>3</sup> , Walter Musakwa <sup>4</sup> , Richard Ross Shaker <sup>6</sup> , Stefani Daryanto <sup>7</sup> <i><sup>1</sup>Faculty of Geographical Science, Beijing Normal University, <sup>2</sup>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, <sup>3</sup>Norwegian University of Science and Technology, <sup>4</sup>University of Johannesburg, <sup>5</sup>Indian Institute of Technology Indore, <sup>6</sup>Ryerson University, <sup>7</sup>Indiana University – Purdue University Indianapolis</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 19</b>
<b>10.45-11.00</b>	<b>T_0982 The impact urban expansion on the environment in Harare, Zimbabwe</b> Walter Musakwa <sup>1</sup> , Innocent Chirisa <sup>2</sup> , Emmanuel Fundisi <sup>3</sup> <sup>1</sup> Department of Town and Regional Planning, University of Johannesburg, <sup>2</sup> University of Zimbabwe, <sup>3</sup> Department of Geography and Energy Studies University of Johannesburg
<b>11.00-11.15</b>	<b>T0042 Linking ecosystem services with Sustainable Development Goals based on expert knowledge</b> Wenwu Zhao <sup>1</sup> , Siqi Yang <sup>1</sup> , Ting Hua <sup>1</sup> <sup>1</sup> Beijing Normal University
<b>11.15-11.30</b>	<b>T0055 Effects of vegetation exposure on the well-being of urban inhabitants</b> Cynnamon Dobbs <sup>1</sup> , Carolina Cordova <sup>1</sup> <sup>1</sup> Center for modeling and monitoring ecosystems, Universidad Mayor
<b>11.30-11.45</b>	<b>T0126 Spatiotemporal patterns, relationships, and drivers of China's agricultural ecosystem services from 1980 to 2010: A multiscale analysis</b> Deyong Yu <sup>1</sup> <sup>1</sup> Beijing Normal University
<b>11.45-12.00</b>	<b>T0521 The role of Landscape sustainability science within the framework of forest Biodiversity and global change impacts</b> Luque Sandra <sup>1</sup> <sup>1</sup> IRSTEA-National Research Institute of Science and Technology for Environment and Agriculture UMR TETIS Land, environment, remote sensing and spatial information
<b>12.00-12.15</b>	<b>T0280 Worldwide patterns of ecosystem services and environmental conservation based on the Human Development Index</b> Ricardo Martinez-Prentice <sup>1</sup> , Carlos Martínez-Núñez <sup>2</sup> <sup>1</sup> Independent researcher, <sup>2</sup> University of Jaén
<b>12.15-12.30</b>	<b>T0332 Pathways from payments for ecosystem services to positive socioeconomic outcomes</b> Xutong Wu <sup>1</sup> <sup>1</sup> Peking University

## Tuesday, 2 July 2019

<b>10.30-12.30</b>	<p style="text-align: center;"><b>Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services</b></p> <p style="text-align: center;"><b>Room: U6 - 02</b></p> <p style="text-align: center;">Session Organisers: Felix Herzog<sup>1</sup>, Yunhui Liu<sup>2</sup>, Majid Iravani<sup>3</sup>, Tian Xiang Yue<sup>4</sup></p> <p style="text-align: center;"><sup>1</sup>Agroscope, <sup>2</sup>China Agricultural University, <sup>3</sup>University of Alberta / Alberta Biodiversity Monitoring Institute, <sup>4</sup>Chinese Academy of Sciences</p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 30</b>
<b>10.45-11.00</b>	<p><b>T0743 The past present and future fragmentation in the Swedish landscape, as contribution to loss of biodiversity</b></p> <p>Anna Allard<sup>1</sup>, Henrik Hedenås<sup>1</sup>, Marcus Hedblom<sup>2</sup>, Sven Adler<sup>1</sup>, Pernilla Christensen<sup>1</sup><sup>1</sup><i>Landscape Analysis, Forest Resource management, SLU, Umea</i>, <sup>2</sup><i>Landscape Analysis, Forest Resource management, SLU, Uppsala</i></p>
<b>11.00-11.15</b>	<p><b>T0835 Combining remote sensing and field surveys in the Austrian farmland biodiversity monitoring "ÖBM Kulturlandschaft"</b></p> <p>Stefan Schindler<sup>1</sup>, Gebhard Banko<sup>1</sup>, Dietmar Moser<sup>1</sup>, Martin Neuwirth<sup>1</sup>, Stefan Lackner<sup>1</sup>, Roland Grillmayer<sup>1</sup><sup>1</sup><i>Environment Agency Austria</i></p>
<b>11.15-11.20</b>	<p><b>T0442 Shattered agricultural landscapes: from diverse structure to uniformity and fragmentation: analyses of two data-sets of BINATS I and II</b></p> <p>Kathrin Pascher<sup>1</sup>, Christa Hainz-Renetzeder<sup>2</sup>, Bärbel Pachinger<sup>3</sup>, Thomas Frank<sup>1</sup><sup>1</sup><i>University of Natural Resources and Life Sciences, Vienna (BOKU), Department of Integrative Biology and Biodiversity Research, Institute of Zoology</i>, <sup>2</sup><i>University of Natural Resources and Life Sciences, Vienna (BOKU), Department of Landscape, Spatial and Infrastructure Sciences, Institute of Landscape Development, Recreation and Conservation Planning (ILEN)</i>, <sup>3</sup><i>University of Natural Resources and Life Sciences, Vienna (BOKU), Department of Integrative Biology and Biodiversity Research, Institute of Integrative Nature Conservation Research</i></p>
<b>11.20-11.25</b>	<p><b>T0463 Progress in farmland biodiversity monitoring in Germany</b></p> <p>Petra Dieker<sup>1</sup>, Heike Kappes<sup>1</sup>, Sebastian Klimek<sup>1</sup>, Jens Dauber<sup>1</sup><sup>1</sup><i>Thünen Institute of Biodiversity</i></p>
<b>11.25-11.30</b>	<p><b>T0813 Linking farmland bird species to land use data in a national landscape monitoring programme</b></p> <p>Christian Pedersen<sup>1</sup>, Svein Olav Krogli<sup>1</sup><sup>1</sup><i>Norwegian Institute of Bioeconomy Research</i></p>
<b>11.30-11.45</b>	<p><b>T0038 Farmland biodiversity monitoring for improving agri-environmental policy</b></p> <p>Felix Herzog<sup>1</sup>, Klaus Ecker<sup>2</sup>, Alex Indermaur<sup>1</sup>, Gisela Lüscher<sup>1</sup>, Susanne Riedel<sup>1</sup>, Eliane Meier<sup>1</sup><sup>1</sup><i>Agroscope</i>, <sup>2</sup><i>Swiss Federal Institute for Forest, Snow and Landscape Research WSL</i></p>
<b>11.45-12.00</b>	<p><b>T0731 Assessing farmland ecosystem services in Canadian prairies: contributing knowledge to decision-making systems</b></p> <p>Majid Iravani<sup>1,2</sup>, Marian Weber<sup>3</sup>, Shannon R. White<sup>2</sup>, Monireh Faramarzi<sup>1</sup><sup>1</sup><i>Watershed Science Modelling Laboratory, Department of Earth and Atmospheric Sciences, Faculty of Science, University of Alberta, Canada</i>, <sup>2</sup><i>Alberta Biodiversity Monitoring Institute, Department of Biological Sciences, University of Alberta, Canada</i>, <sup>3</sup><i>InnoTech Alberta, Canada</i></p>
<b>12.00-12.15</b>	<p><b>T0675 Exploring long term monitoring data to establish agro-ecological patterns in grassland at landscape scales for comparison with innovative grassland farming practices.</b></p> <p>Lisa Norton</p>
<b>12.15-12.30</b>	<p><b>T0810 High Nature Value Farmland Monitoring: A closer look uncovers different trends in German farmland biodiversity</b></p> <p>Armin Benzler<sup>1</sup>, Daniel Fuchs<sup>2</sup><sup>1</sup><i>Federal Agency for Nature Conservation (BfN) Germany</i>, <sup>2</sup><i>PAN GmbH</i></p>

## Tuesday, 2 July 2019

10.30-12.30	<p><b>Symposium 10 - Using landscape simulation models to help balance conflicting goals in a changing forest: from timber production to carbon sequestration and biodiversity conservation</b></p> <p><b>Room: U6 - 03</b></p> <p>Session Organisers: Anouschka Hof<sup>1</sup>, Miguel Montoro Girona<sup>2</sup>, Caren Dymond<sup>3</sup></p> <p><sup>1</sup>Wageningen University, <sup>2</sup>Swedish University of Agricultural Sciences, <sup>3</sup>Ministry of Forests, Lands and Natural Resource Operations, Government of British Columbia</p>
10.30-10.45	<b>Introduction to Symposium 10</b>
10.45-11.00	<p><b>T0575 The effect of climate, the modern land-use regime, and alternative future scenarios on forest carbon in New England, USA</b></p> <p>Matthew Duveneck<sup>1</sup>, Jonathan Thompson<sup>1</sup> <sup>1</sup>Harvard Forest, Harvard University</p>
11.00-11.15	<p><b>T0421 Are there potential conflicts among renewable energy, biodiversity, and ecosystem services? Scenario analysis of land use management and selection among renewable energy alternatives</b></p> <p>Chihiro Haga<sup>1</sup>, Marimi Maeda<sup>1</sup>, Takanori Matsui<sup>1</sup>, Takashi Machimura<sup>1</sup> <sup>1</sup>Osaka University</p>
11.15-11.30	<p><b>T0119 Economic benefits of mitigating climate change through adaptive planting in forestry</b></p> <p>Caren Dymond<sup>1</sup>, Krysta Giles-Hansen<sup>2</sup>, Patrick Asante<sup>1</sup> <sup>1</sup>Government of British Columbia, <sup>2</sup>Ecora</p>
11.30-11.45	<p><b>T0510 Forest decision support system as tools for multi-objective landscape level planning - applications of the Swedish Heureka system</b></p> <p>Johanna Lundström<sup>1</sup>, Karin Öhman<sup>1</sup>, Tomas Lämås<sup>1</sup> <sup>1</sup>Swedish University of Agricultural Sciences</p>
11.45-12.00	<p><b>T0043 Application of the space-for-time substitution method in validating long-term biomass predictions of a forest landscape model</b></p> <p>Jun Ma<sup>1</sup>, Xiangming Xiao<sup>2</sup>, Rencang Bu<sup>3</sup>, Yuanman Hu<sup>3</sup> <sup>1</sup>Fudan University, <sup>2</sup>University of Oklahoma, <sup>3</sup>Institute of Applied Ecology, Chinese Academy of Sciences</p>
12.00-12.15	<p><b>T0108 Disturbance interaction research within forested landscapes</b></p> <p>Fortin Marie-Josée<sup>1</sup>, Brian Sturtevant<sup>2</sup> <sup>1</sup>University of Toronto, <sup>2</sup>Institute for Applied Ecosystem Studies, Northern Research Station, USDA Forest Service</p>
12.15-12.30	<p><b>T0558 The Scandinavian mountains intact forest landscape green infrastructure</b></p> <p>Johan Svensson<sup>1</sup>, Jakub Witold Bubnicki<sup>2</sup>, Bengt Gunnar Jonsson<sup>3</sup>, Grzegorz Mikusinski<sup>1</sup> <sup>1</sup>Swedish University of Agricultural Sciences, <sup>2</sup>Mammal Research Institute Polish Academy of Sciences, <sup>3</sup>Mid Sweden University</p>

## Tuesday, 2 July 2019

10.30-12.30	<p><b>Symposium 09 - Scoping with future challenges in mountain landscapes</b></p> <p><b>Room: Aula Martini (U6 - 04)</b></p> <p>Session Organisers: Uta Schirpke<sup>1,2</sup>, Genxu Wang<sup>3</sup>, Jie Gong<sup>4</sup>, Ulrike Tappeiner<sup>1,2</sup>, Georg Leitinger<sup>1</sup>, Emilio Padoa-Schioppa<sup>5</sup>, Fausto Manes<sup>6</sup>, Per Angelstam<sup>7</sup></p> <p><sup>1</sup>University of Innsbruck, Department of Ecology; <sup>2</sup>Eurac Research, Institute for Alpine Environment, <sup>3</sup>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, <sup>4</sup>Lanzhou University, <sup>5</sup>University of Milano-Bicocca, <sup>6</sup>University of Roma - La Sapienza, <sup>7</sup>Swedish University of Agricultural Sciences</p>
10.30-10.45	<b>Introduction to Symposium 09</b>
10.45-11.00	<p><b>P0135 Benefits beyond borders: global progress with transboundary conservation in mountain areas</b></p>

	Bastian Bertzky <sup>1</sup> , Lucy Bastin <sup>1</sup> , Melanie Weynants <sup>1</sup> , Daniel Viviroli <sup>1</sup> <sup>1</sup> <i>European Commission, Joint Research Centre (JRC), Ispra, Italy</i>
<b>11.00-11.15</b>	<b>T0881 Ecosystem services in the European Alps – a comparison across different socio-ecological sites</b> Riccardo Santolini <sup>1</sup> , Lukas Egarter Vigl <sup>2</sup> , Stefan Marzelli <sup>3</sup> , Mauro Masiero <sup>4</sup> , Annemarie Polderman <sup>5</sup> , Tadej Kogovsek <sup>6</sup> <sup>1</sup> <i>Università di Urbino</i> , <sup>2</sup> <i>EURAC</i> , <sup>3</sup> <i>Ifuplan</i> , <sup>4</sup> <i>Università di Padova</i> , <sup>5</sup> <i>Institute for Interdisciplinary Mountain Research Austrian Academy of Sciences</i> , <sup>6</sup> <i>The Institute of the Republic of Slovenia for Nature Conservation</i>
<b>11.15-11.30</b>	<b>T0753 Networks of Protected Areas as governance instrument for sustainable territorial development and green economy</b> Andrea Omizzolo <sup>1</sup> , Luca Cetara <sup>1</sup> , Maria Prezioso <sup>2</sup> , Maria Coronato <sup>2</sup> <sup>1</sup> <i>Eurac Research</i> , <sup>2</sup> <i>University of Rome "Tor Vergata"</i>
<b>11.30-11.45</b>	<b>T0326 Land use intensification rather than land cover change affects ecosystem services provision in the river Adige basin (Italy)</b> Mattias Gaglio <sup>1</sup> , Elisa Soana <sup>1</sup> , Vassilis Aschonitis <sup>2</sup> , Giuseppe Castaldelli <sup>1</sup> , Elisa Anna Fano <sup>1</sup> <sup>1</sup> <i>Department of Life Sciences and Biotechnology, University of Ferrara</i> , <sup>2</sup> <i>Institute of Soil and Water Resources, Hellenic Agricultural Organization Demeter</i>
<b>11.45-11.50</b>	<b>T0947 Valuation of ecosystem services in an alpine protected area: the case of the Gran Paradiso National Park</b> Emilio Padoa-Schioppa <sup>1</sup> , Bruno Bassano <sup>2</sup> , Ramona Viterbi <sup>2</sup> , Claudia Canedoli <sup>1</sup> <sup>1</sup> <i>Department of Earth and Environmental Sciences, University of Milano-Bicocca</i> , <sup>2</sup> <i>Gran Paradiso National Park</i>
<b>11.50-11.55</b>	<b>T0026 Biodiversity conservation as a condition for sustainable livelihoods</b> Agnieszka Nowak <sup>1</sup> <sup>1</sup> <i>Institute of Geography and Spatial Management, Jagiellonian University in Kraków</i>
<b>11.55-12.00</b>	<b>T0221 Changes in the food supply capacity of alpine grassland ecosystem: A dialectic synthesis of natural and anthropogenic drivers</b> Yi-ping Fang <sup>1</sup> <sup>1</sup> <i>Institute of Mountain Hazards &amp; Environment, Chinese Academy of Sciences</i>
<b>12.00-12.15</b>	<b>T_8813 Plant responses in reproductive phenology to warming and cooling in alpine grassland community</b> Yan Yang <sup>1</sup> , Fei Ran <sup>1</sup> , Genxu Wang <sup>1</sup> <sup>1</sup> <i>Institute of Mountain Hazards and Environment, CAS</i>
<b>12.15-12.30</b>	<b>T0775 Drivers of orchid population changes in the Alps under a warming climate</b> Costanza Geppert <sup>1</sup> , Giuseppe Melchiori <sup>1</sup> , Giorgio Perazza <sup>2</sup> , Filippo Prosser <sup>2</sup> , Lorenzo Marini <sup>1</sup> <sup>1</sup> <i>DAFNAE, University of Padova, Viale dell'Università 16, 35020 Legnaro, Padova, Italy</i> , <sup>2</sup> <i>Museo Civico di Rovereto, Borgo Santa Caterina, 41, 38068 Rovereto, Trento, Italy</i>

## Tuesday, 2 July 2019

<b>10.30-12.30</b>	<p><b>Symposium 50 - Disturbance, degradation, and restoration in fragile ecosystems: Implications for resource distribution and ecosystem service</b></p> <p><b>Room: U6 - 05</b></p> <p>Session Organisers: Junran Li<sup>1</sup>, Sujith Ravi<sup>2</sup>, Shiliang Liu<sup>3</sup>, Yihe Lv<sup>4</sup></p> <p><sup>1</sup><i>The University of Tulsa, Tulsa, OK, USA</i>, <sup>2</sup><i>Temple University, Philadelphia, PA, USA</i>, <sup>3</sup><i>Beijing Normal University</i>, <sup>4</sup><i>Research Centre for Eco-environment Sciences, Chinese Academy of Sciences</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 50</b>
<b>10.45-11.00</b>	<b>T0005 Landscape identity post-wildfire in mediterranean ecosystems: study cases at the coastal range in central Chile</b> Edilia Jaque Castillo <sup>1</sup> , Sandra Fernández <sup>1</sup> , Carolina Ojeda Leal <sup>2</sup> <sup>1</sup> <i>Universidad de Concepcion</i> , <sup>2</sup> <i>Universidad Católica de la Santísima Concepción</i>
<b>11.00-11.15</b>	<b>T0029 The effects of landscape pattern evolution in Liaohe estuary to changes on water quality</b> Jing Kang <sup>1</sup> <sup>1</sup> <i>National Marine Environment Monitoring Center</i>

<b>11.15-11.30</b>	<b>T0041 Degradation, disturbance and restoration of dragon's blood forests on Socotra Island</b> Petr Maděra <sup>1</sup> , Daniel Volařík <sup>1</sup> , Zdeněk Patočka <sup>1</sup> , Hana Kalivodová <sup>1</sup> , Petr Vahalík <sup>1</sup> , Hana Habrová <sup>1</sup> <sup>1</sup> Mendel University in Brno
<b>11.30-11.45</b>	<b>T0053 Landscape changes of Dianchi Lakesides driven by ecological restoration projects, Southwest China</b> Zhaolu Wu <sup>1</sup> , Huiling Shi <sup>1</sup> , Yanan Zhang <sup>1</sup> <sup>1</sup> School of Ecology and Environmental Sciences & Yunnan Key Laboratory for Plateau Mountain Ecology and Restoration of Degraded Environments, Yunnan University
<b>11.45-12.00</b>	<b>T0143 Construction land expansion and its impact on regional vegetation dynamics in Southwest China</b> Shiliang Liu <sup>1</sup> , Yongxiu Sun <sup>1</sup> , Lumeng Liu <sup>1</sup> , Yuhong Dong <sup>1</sup> , Shikui Dong <sup>1</sup> , Yi An <sup>1</sup> <sup>1</sup> Beijing Normal University
<b>12.00-12.15</b>	<b>T0208 Cascading effects of tropical deforestation on pollen-mediated gene flow in a hummingbird-pollinated plant species</b> Felipe Torres-Vargas <sup>1</sup> , Adam S. Hadley <sup>2</sup> , F. Andy Jones <sup>2</sup> , Matt G. Betts <sup>2</sup> , Helene H. Wagner <sup>1</sup> <sup>1</sup> University of Toronto, <sup>2</sup> Oregon State University
<b>12.15-12.30</b>	<b>T0220 Forest cover change after 17 years of Participatory Forest Management implementation in Malawi</b> Monica Fides Gondwe <sup>1</sup> , Moses Azong Cho <sup>2</sup> , Paxie Wanangwa Chirwa <sup>1</sup> <sup>1</sup> Department of Plant and Soil Sciences, University of Pretoria, Plant Sciences Complex, Pretoria 0002, South Africa, <sup>2</sup> Earth Observation group, Natural Resources, and Environment, Council for Scientific and Industrial Research (CSIR), Building 33 CSIR Pretoria, P.O. Box 395, Pretoria, South Africa

Tuesday, 2 July 2019	
<b>10.30-12.25</b>	<p align="center"><b>Symposium 45 - Conservation in the city</b></p> <p align="center"><b>Room: U6 -06</b></p> <p align="center">Session Organisers: Heather Sander<sup>1</sup></p> <p align="center"><sup>1</sup>University of Iowa</p>
<b>10.30-10.40</b>	<b>Introduction to Symposium 45</b>
<b>10.40-10.45</b>	<b>P0018 Changes in spider assemblages and their preys along an urbanization gradient in the city of Torino (NW-Italy)</b> Elena Piano <sup>1</sup> , Marco Isaia <sup>1</sup> <sup>1</sup> Department of Life Science and Systems Biology, University of Turin
<b>10.45-10.50</b>	<b>P0058 Effects of Urbanization on Reproductive Success in Common Milkweed</b> Sophie Breitbart <sup>1</sup> , Helene Wagner <sup>1</sup> , Marc Johnson <sup>1</sup> <sup>1</sup> University of Toronto Mississauga
<b>10.50-10.55</b>	<b>P0109 Influence of urban tree species and noise levels on of Brasilia city's avifauna, Brazil</b> Mayara Machado Guimarães <sup>1</sup> , Mayara Machado Guimarães <sup>1</sup> , Rodrigo Studart Corrêa <sup>1</sup> , João Carlos Castro Pena <sup>2</sup> <sup>1</sup> Universidade de Brasília, <sup>2</sup> Unesp, Brazil
<b>10.55-11.00</b>	<b>P0195 Conservation of bats along an urbanization gradient: The effect of vegetation structure, buildings and artificial light</b> Marcela Suarez-Rubio <sup>1</sup> , Susanne Reier <sup>1</sup> , Emilia Höfinger <sup>1</sup> , Alexander Bruckner <sup>1</sup> <sup>1</sup> University of Natural Resources and Life Sciences (BOKU)
<b>11.00-11.15</b>	<b>T0523 Disentangling the influences of urban environmental attributes on bird morphological and life-history traits</b> João Carlos Castro Pena <sup>1</sup> , Otso Ovaskainen <sup>2</sup> , Ian MacGregor-Fors <sup>3</sup> , Camila Palhares Teixeira <sup>4</sup> , Milton Cezar Ribeiro <sup>1</sup> <sup>1</sup> Spatial Ecology and Conservation Lab, UNESP, <sup>2</sup> University of Helsinki, <sup>3</sup> Instituto de Ecología A.C., <sup>4</sup> Unifem
<b>11.15-11.30</b>	<b>T0319 Dimming of LED street-lights facilitates dark corridors for nocturnal insects and bats</b>

	Bolliger Janine <sup>1</sup> , Pazur Robert <sup>1</sup> <sup>1</sup> WSL Swiss Federal Research Institute
<b>11.30-11.45</b>	<b>T0826 Microhabitat Pattern for Biological Conservation--Taking the Planning and Design of Beijing Daxing Country Park as an Example</b> Tingting Huang <sup>1</sup> , Ying Zhang <sup>1</sup> , Ruodong Han <sup>1</sup> <sup>1</sup> Beijing Forestry University
<b>11.45-12.00</b>	<b>T0327 The effect of landscape history on contemporary conservation efforts in urban landscapes</b> Marié J. du Toit <sup>1</sup> , Johan Kotze <sup>2</sup> , Sarel Cilliers <sup>1</sup> <sup>1</sup> Unit for Environmental Sciences and Management, North-West University, <sup>2</sup> Faculty of Biological and Environmental Sciences, Ecosystems and Environment Research Programme, University of Helsinki
<b>12.00-12.15</b>	<b>T0911 Restoration Ecology techniques to improve Urban Nature: A literature review.</b> Chiara Catalano <sup>1</sup> , Francesca Bretzel <sup>2</sup> , Nathalie Baumann <sup>1</sup> , Riccardo Guarino <sup>3</sup> <sup>1</sup> IUNR, Zurich University of Applied Science, Wädenswil, <sup>2</sup> IRET, Italian National Council of Research, Pisa, <sup>3</sup> STEBICEF, University of Palermo, Palermo
<b>12.15-12.20</b>	<b>P0028 Social and ecological drivers of change over time in urban forest patches across five North American cities</b> Anita T Morzillo <sup>1</sup> , Michelle Johnson <sup>2</sup> , Lea Johnson <sup>3</sup> , Lindsay Campbell <sup>2</sup> , Myla Aronson <sup>4</sup> <sup>1</sup> University of Connecticut, <sup>2</sup> US Forest Service, <sup>3</sup> University of Maryland, <sup>4</sup> Rutgers University
<b>12.20-12.25</b>	<b>P0108 Consistent versus episodic management and the long-term fate of ecological restoration in urban forest patches</b> Lea Johnson <sup>1</sup> , Steven Handel <sup>2</sup> <sup>1</sup> University of Maryland, <sup>2</sup> Rutgers University

Tuesday, 2 July 2019	
<b>10.30-12.30</b>	<p><b>Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance</b></p> <p><b>Room: U6 - 07</b></p> <p>Session Organisers: Hersperger Anna M.<sup>1</sup>, Grădinaru Simona R.<sup>2</sup>, Pierri Daunt Beatriz<sup>3</sup>  <sup>1</sup>Swiss Federal Research Institute WSL, <sup>2</sup>University of Bucharest, <sup>3</sup>State University of São Paulo</p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 13 – Anna Hersperger</b>
<b>10.45-11.00</b>	<b>T0724 From strategic to operational: innovative approaches to integrate ecosystem service knowledge in urban planning</b> Chiara Cortinovis <sup>1</sup> , Davide Geneletti <sup>1</sup> <sup>1</sup> University of Trento
<b>11.00-11.15</b>	<b>T0733 A National Strategic Plan for Ecological Security for China</b> Liyan Xu <sup>1</sup> , Xuesong Xi <sup>2</sup> , Ke Liu <sup>1</sup> , Dihua Li <sup>1</sup> , Kongjian Yu <sup>1</sup> <sup>1</sup> Peking University, <sup>2</sup> China Agricultural University
<b>11.15-11.30</b>	<b>T0896 Urban and rural Landscape Plans at the municipal level. Towards a nature based planning/designing action.</b> Carmela Canzonieri <sup>1</sup> <sup>1</sup> Independent researcher
<b>11.30-11.45</b>	<b>T0062 Town Ecology: For the Land of Towns and Vilages</b> Richard T. T. Forman <sup>1</sup> <sup>1</sup> Harvard University
<b>11.45-12.00</b>	<b>T0012 Biodiversity Offsets - European Perspectives on No Net Loss of Biodiversity and Ecosystem Services</b> Wolfgang Wende <sup>1</sup> <sup>1</sup> Leibniz Institute of Ecological Urban and Regional Development
<b>12.00-12.15</b>	<b>T0063 The role of land-use and environmental policies in a landscape of forest persistence and tourism-induced urban growth</b> Ana Beatriz Pierri Daunt <sup>1</sup> , Thiago Sanna Freire Silva <sup>1</sup> , Matthias Bürgi <sup>2</sup> , Anna M. Hersperger <sup>2</sup> <sup>1</sup> São Paulo State University, Geography Department, <sup>2</sup> Swiss Federal Research Institute WSL
<b>12.15-12.30</b>	<b>T0386 Socio-economic development, knowledge transmission and territorial governance of Social-Ecological Systems at the regional level: the case of the Green Infrastructure Strategy in Galicia (NW Spain)</b> Emilio R. Diaz-Varela <sup>1</sup> , María Amparo Ferreira-Golpe <sup>1</sup> , Ana Isabel García Arias <sup>1</sup> , María do Mar Perez-Fra <sup>1</sup> , Edelmiro Lopez-Iglesias <sup>1</sup> , Beatriz Rodriguez-Morales <sup>1</sup> <sup>1</sup> ECOAGRASOC - University of Santiago de Compostela



## Tuesday, 2 July 2019

10.30-12.30	<p><b>Symposium 11 - From urban agriculture to edible cities – challenges and chances for approaching sustainable urban socio-ecological systems</b></p> <p><b>Room: U6 - 08</b></p> <p>Session Organisers: Martina Artmann<sup>1</sup>, Jan Vávra<sup>2</sup>, Rommel Marius<sup>3</sup></p> <p><sup>1</sup>Leibniz Institute of Ecological Urban and Regional Development (IOER), <sup>2</sup>University of South Bohemia (USB), <sup>3</sup>ZOE, the Institute for inclusive and sustainable economies</p>
10.30-10.45	<b>Introduction to Symposium 11</b>
10.45-10.50	<p><b>T0018 Edible cities – a leverage for urban food supply and human-food connection?</b></p> <p>Martina Artmann<sup>1</sup>, Katharina Sartison<sup>1</sup> <sup>1</sup>Leibniz Institute of Ecological Urban and Regional Development</p>
10.50-10.55	<p><b>T0320 Urban gardens as a source of self-grown food in Czech towns and cities</b></p> <p>Jan Vávra<sup>1</sup>, Petr Daněk<sup>2</sup>, Petr Jehlička<sup>3</sup>, Miloslav Lapka<sup>1</sup> <sup>1</sup>Department of Regional Management, Faculty of Economics, University of South Bohemia in České Budějovice, <sup>2</sup>Department of Geography, Faculty of Science, Masaryk University, <sup>3</sup>Department of Geography, Faculty of Arts and Social Sciences, The Open University</p>
10.55-11.00	<p><b>T0181 Home gardens in Czechia: Quiet sustainability or quiet repose</b></p> <p>Jana Šiftová<sup>1</sup> <sup>1</sup>Charles University</p>
11.00-11.15	<p><b>T0432 An evaluation of cultural ecosystem services delivered by urban micro-farms: the research project SEMOIR</b></p> <p>Giulia Giacche<sup>1</sup>, Anne-Cécile Daniel<sup>1</sup>, Jean-Noel Consalès<sup>2</sup>, Baptiste Jean-Paul Grard<sup>3</sup>, Antoine Lagneau<sup>4</sup>, Claire Chenu<sup>1</sup> <sup>1</sup>Exp'Au/AgroParisTech, <sup>2</sup>Laboratoire TELEMME, Aix Marseille Université, <sup>3</sup>Laboratoire de Sciences du sol, UMR ECOSYS, INRA-AgroParisTech, <sup>4</sup>Agence régionale de la biodiversité, IAU IdF</p>
11.15-11.30	<p><b>T0611 Urban micro-farms: an assessment of ecosystem services provided by in situ soils and constructed Technosols</b></p> <p>Baptiste Grard<sup>1</sup>, Sophie Joimel<sup>1</sup>, Geoffroy Séré<sup>2</sup>, Laure Vieublé<sup>1</sup>, Sabine Houot<sup>1</sup>, Claire Chenu<sup>1</sup> <sup>1</sup>UMR ECOSYS (AgroParisTech - INRA), <sup>2</sup>Laboratoire Sols et Environnement, UMR 1120, INRA</p>
11.30-11.45	<p><b>T0989 New approaches and products in urban food production: A study on perception of sustainability and social acceptability</b></p> <p>Kathrin Specht<sup>1</sup>, Marcel Robischon<sup>2</sup>, Felix Zoll<sup>3</sup>, Julia Bela<sup>4</sup>, Henrike Schümann<sup>2</sup>, Julia Kachel<sup>2</sup> <sup>1</sup>ILS-Research Institute for Regional and Urban Development, <sup>2</sup>Humboldt-Universität zu Berlin, <sup>3</sup>Leibniz Centre for Agricultural Landscape Research (ZALF), <sup>4</sup>Technische Universität Berlin (TU Berlin)</p>
11.45-12.00	<p><b>T0436 Analyzing landscape services supply-demand and preference factors of urban agriculture parks in Beijing, China</b></p> <p>Miaomiao Xie<sup>1</sup>, Manyu Li<sup>1</sup>, Meng Xu<sup>1</sup> <sup>1</sup>School of Land Science and Technology, China University of Geosciences (Beijing)</p>
12.00-12.15	<p><b>T0830 Potential of abandoned agricultural land for food provision in urban settings</b></p> <p>Simona R. Gradinaru<sup>1</sup>, Cristian Ioja<sup>1</sup>, Mihai Nița<sup>1</sup>, Denisa Badiu<sup>1</sup> <sup>1</sup>University of Bucharest</p>
12.15-12.30	<p><b>T0518 Business models in urban agriculture: case studies in Chengdu and Milan</b></p> <p>Hang Lu<sup>1</sup>, Yichen Jiang<sup>2</sup> <sup>1</sup>Politecnico di Milano, <sup>2</sup>RWTH Aachen University</p>

## Tuesday, 2 July 2019

10.30-12.30	<p><b>Symposium 22 - Land-use legacies and forest change: understanding the past to forecast the future</b></p> <p><b>Symposium 48 - The role of landscape experiments to inform large-scale habitat restoration</b></p> <p><b>Room: U6 - 09</b></p> <p>Session Organisers (22): Matteo Garbarino<sup>1</sup>, Peter Weisberg<sup>2</sup></p> <p><sup>1</sup>University of Torino, Dept. DISAFA, <sup>2</sup>University of Nevada, Reno</p>
-------------	---

	Session Organisers (48): Kevin Watts <sup>1,2</sup> , Kirsty Park <sup>2</sup> , Elisa Fuentes-Montemayor <sup>2</sup> <sup>1</sup> Forest Research, <sup>2</sup> University of Stirling
<b>10.30-10.45</b>	<b>Introduction to Symposium 22 &amp; 48</b>
<b>10.45-11.00</b>	<b>T0054 Land use history legacies on forest landscape dynamics in the Alps and the Apennines</b> Matteo Garbarino <sup>1</sup> , Francesco Malandra <sup>2</sup> , Renzo Motta <sup>1</sup> , Carlo Urbinati <sup>2</sup> , Alessandro Vitali <sup>2</sup> , Peter Weisberg <sup>3</sup> <sup>1</sup> Università di Torino (DISAFA), <sup>2</sup> Marche Polytechnic University, <sup>3</sup> University of Nevada, Reno
<b>11.00-11.15</b>	<b>T0163 Disentangling climate change and land use legacy effects on European forest disturbance dynamics</b> Cornelius Senf <sup>1</sup> , Rupert Seidl <sup>1</sup> <sup>1</sup> University of Natural Resources and Life Sciences (BOKU) Vienna
<b>11.15-11.30</b>	<b>T0171 Historical legacies on the forest landscapes of central Italy</b> Scott Mensing <sup>1</sup> , Edward Schoolman <sup>1</sup> , Gianluca Piovesan <sup>2</sup> <sup>1</sup> University of Nevada, Reno, <sup>2</sup> DAFNE
<b>11.30-11.35</b>	<b>T0159 Forest use legacies in protected nature reserve (Kaluga region, Central Russia)</b> Victor Matasov <sup>1</sup> , Nikolay Surkov <sup>1</sup> , Oleg Zheleznyy <sup>1</sup> , Viacheslav Nizovtsev <sup>1</sup> <sup>1</sup> Lomonosov Moscow State University
<b>11.35-11.40</b>	<b>T0995 Land-use legacies: the evolution of British forestry in response to changing resource needs</b> Susanne Raum <sup>1</sup> <sup>1</sup> Imperial College London, Centre for Environmental Policy
<b>11.40-11.45</b>	<b>T0997 Endangered socio-ecological habitats. The case study of chestnut orchards in the Bolognese Apennine</b> Giovanna Pezzi <sup>1</sup> , Giorgio Maresi <sup>2</sup> , Fabrizio Ferretti <sup>3</sup> , Patrik Krebs <sup>4</sup> , Marco Conedera <sup>4</sup> <sup>1</sup> Università di Bologna, Department of Biological, Geological and Environmental Sciences, <sup>2</sup> Fondazione Edmund Mach, Centre for Technology Transfer, <sup>3</sup> CREA - Council for Agricultural Research and Economics Research Centre for Forestry and Wood, <sup>4</sup> WSL
<b>11.45-12.00</b>	<b>T0299 Land-use history lessons for managing arid woodlands of the western US: the forgotten role of the carbonari migrant workers?</b> Peter Weisberg <sup>1</sup> , Douglas Page, Jr. <sup>2</sup> , Dongwook Ko <sup>3</sup> , Ronald Reno <sup>4</sup> , Sarah Page <sup>5</sup> , Thomas Straka <sup>6</sup> <sup>1</sup> Department of Natural Resources and Environmental Science, University of Nevada, Reno, <sup>2</sup> retired forester - USFS, BLM, <sup>3</sup> Kookmin University, <sup>4</sup> Desert Research Institute, <sup>5</sup> Bureau of Land Management, <sup>6</sup> Forestry and Environmental Conservation Department, Clemson University
<b>12.00-12.15</b>	<b>T0985 Identifying anthropogenic burning via paleoecology and paleolandscape modeling</b> Anna Klimasewski-Patterson <sup>1</sup> , Peter Weisberg <sup>2</sup> , Scott Mensing <sup>2</sup> , Robert Scheller <sup>3</sup> <sup>1</sup> California State University, Sacramento, <sup>2</sup> University of Nevada, Reno, <sup>3</sup> North Carolina State University
<b>12.15-12.30</b>	<b>T0291 The legacy effect of invasive pinewood nematode as a threat to ecocultural identity in Korea</b> Dongwook Ko <sup>1</sup> , Chan Ryul Park <sup>2</sup> <sup>1</sup> Kookmin University, <sup>2</sup> National Institute of Forest Science

## Tuesday, 2 July 2019

<b>10.30-12.30</b>	<b>Symposium 55 - Assessing the patterns and drivers of land-use intensity change</b> <b>Room: U6 - 12</b> Session Organisers: Robert Pazur <sup>1</sup> , Matthias Bürgi <sup>1</sup> , Alexander Prishchepov <sup>2</sup> <sup>1</sup> Swiss Federal Research Institute WSL, <sup>2</sup> University of Copenhagen
<b>10.30-10.45</b>	<b>Introduction to Symposium 55</b>
<b>10.45-11.00</b>	<del><b>T_0973 Which factors promote regime shifts at forest savanna boundaries in Central Africa?</b></del> <del>Lindsey Norgrove</del>
<b>11.00-11.15</b>	<del><b>T0124 Land use decision-making as a driver of land use intensity</b></del> <del>Peter Verburg<sup>1,2</sup>, Ziga Malek<sup>1,2</sup> <sup>1</sup>VU University Amsterdam, <sup>2</sup>WSL Switzerland</del>
<b>10.45-11.00</b>	<b>T0267 Land use change scenarios in marginal mosaic-type landscapes and their impact on ecosystem services.</b> Ivo Vinogradovs <sup>1</sup> , Oļģerts Nikodemus <sup>1</sup> , Zaiga Krišjāne <sup>1</sup> <sup>1</sup> University of Latvia, Department of Geography
<b>11.00-11.15</b>	<b>T0353 The effect of external drivers on tipping-points in agricultural land-use intensity</b>



	Maarten J. van Strien <sup>1</sup> , Sibyl H. Huber <sup>2</sup> , Adrienne Grêt-Regamey <sup>3</sup> <sup>1</sup> <i>Planning of Landscape and Urban Systems, Dept. of Civil, Environmental and Geomatic Engineering, ETH Zurich, Zurich, Switzerland,</i> <sup>2</sup> <i>Flury &amp; Giuliani agricultural and regional economic consulting, Zurich, Switzerland</i>
<b>11.15-11.30</b>	<b>T0448 Land cover patterns of wind generation infrastructure in Brazil</b> Olga Turkovska <sup>1</sup> , Johannes Schmidt <sup>1</sup> , Katharina Gruber <sup>1</sup> , Felix Nitsch <sup>2</sup> <sup>1</sup> <i>Institute for Sustainable Economic Development, University of Natural Resources and Life Sciences,</i> <sup>2</sup> <i>Institute of Engineering Thermodynamics, German Aerospace Center</i>
<b>11.30-11.45</b>	<b>T0516 Modeling agricultural land-use intensity: understanding driving forces by validating future scenarios</b> Sven-Erik Rabe <sup>1</sup> , Enrico Celio <sup>1</sup> <sup>1</sup> <i>ETH Zürich</i>
<b>11.45-12.00</b>	<b>T0617 Evaluating land use changes and land use planning within and around national parks – case studies from Poland</b> Michał Jakiel <sup>1</sup> <sup>1</sup> <i>Institute of Geography and Spatial Management, Jagiellonian University</i>

Tuesday, 2 July 2019	
<b>10.30-12.30</b>	<b>Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands</b> <b>Room: U6 - 18</b> Session Organisers: Zhifeng Wu <sup>1</sup> , Paolo Tarolli <sup>2</sup> , Xiuzhen Li <sup>3</sup> <sup>1</sup> <i>Guangzhou University,</i> <sup>2</sup> <i>Padova University,</i> <sup>3</sup> <i>East China Normal University</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 14</b>
<b>10.45-11.00</b>	<b>T0068 Ecological restoration and resources utilization of Yangtze Estuarine Wetlands - Project Introduction</b> Xiuzhen Li <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Estuarine and Coastal Research, Institute of Eco-Chongming, East China normal University</i>
<b>11.00-11.15</b>	<b>T0190 Identification on effects of land use on antibiotics in soils in typical peri-urban area of Yangtze River Delta, China</b> Lei Yang <sup>1</sup> , Fangkai Zhao <sup>1</sup> , Liding Chen <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
<b>11.15-11.30</b>	<b>T0381 Correlation between urbanization and vegetation activities in the Pearl River Delta: Scale contrast</b> Man Wang <sup>1</sup> , Jian Peng <sup>1</sup> , Yi'na Hu <sup>1</sup> <sup>1</sup> <i>Laboratory for Earth Surface Processes, Ministry of Education, College of Urban and Environmental Sciences, Peking University</i>
<b>11.30-11.45</b>	<b>T0480 Artificial water management in Italian lowlands – impacts and challenges by natural and anthropogenic forces</b> Anton Pijl <sup>1</sup> , Claudia C. Brauer <sup>2</sup> , Giulia Sofia <sup>3</sup> , Adriaan J. Teuling <sup>2</sup> , Paolo Tarolli <sup>1</sup> <sup>1</sup> <i>Dept. of Land, Environment, Agriculture and Forestry, University of Padova, Legnaro (PD), Italy,</i> <sup>2</sup> <i>Hydrology and Quantitative Water Management Group, Wageningen University and Research, Wageningen, the Netherlands,</i> <sup>3</sup> <i>University of Connecticut, University of Connecticut, Civil &amp; Environmental Engineering, Storrs (CT), United States</i>
<b>11.45-12.00</b>	<b>T0490 When the hydrology drives the ecological subsidy: impact of climate change on floodplain contribution to fish productivity</b> Luc Farly <sup>1</sup> , Christiane Hudon <sup>2</sup> , Antonia Cattaneo <sup>3</sup> , Gilbert Cabana <sup>1</sup> <sup>1</sup> <i>Département des Sciences de l'Environnement, Université du Québec à Trois-Rivières,</i> <sup>2</sup> <i>Environment and Climate Change Canada, St. Lawrence Centre,</i> <sup>3</sup> <i>Département des Sciences Biologiques, Université de Montréal</i>
<b>12.00-12.15</b>	<b>T0536 Eco-hydro-morphological degradation of Israel lowland streams: The result of flood protection regulation</b> Roey Egozi <sup>1</sup> <sup>1</sup> <i>Israel Ministry of Agriculture and Rural Development / Soil Erosion Research Station</i>
<b>12.15-12.30</b>	<b>T0559 Landscape management in the Polesine lowland (northern Italy): consequences on flooding and population exposure</b>

	Daniele Pietro Viero <sup>1</sup> , Giulia Roder <sup>2</sup> , Bruno Matticchio <sup>3</sup> , Andrea Defina <sup>1</sup> , Paolo Tarolli <sup>2,1</sup> <i>University of Padova - Dep. of Civil, Environmental and Architectural Engineering (ICEA), <sup>2</sup>University of Padova - Dep. of Land, Environment, Agriculture and Forestry (TESAF), <sup>3</sup>IPROS Environmental Engineering</i>
--	--

## Tuesday, 2 July 2019

<b>10.30-12.45</b>	<p><b>Symposium 17 - Metropolitan Landscapes. Resilient articulation of the interface between city, agriculture and nature promoting the quality of dwelling and ensure the human well-being within the metropolis</b></p> <p><b>Room: U6 – 1A</b></p> <p>Session Organisers: Antonella Contin<sup>1</sup>, Domingo Sanchez Fuentes<sup>2</sup>, Ramon Reyes<sup>3</sup>  <sup>1</sup>Politecnico di Milano, <sup>2</sup>Escuela Tecnica Superior de Arquitectura de Sevilla, <sup>3</sup>Universidad de Guadalajara, Centro universitario de arte, arquitectura y diseño, "udeg"</p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 17</b>
<b>10.45-11.00</b>	<p><b>T0278 Landscape structure: a fundamental criterion to be considered when planning metropolitan areas</b></p> <p>Athanasios-Alexandru Gavriliadis<sup>1</sup>, Andreea Nita<sup>1</sup>, Laurentiu Rozylowicz<sup>1,1</sup><i>Center for Environmental Research and Impact Study, Faculty of Geography, University of Bucharest</i></p>
<b>11.00-11.15</b>	<p><b>T0398 Critical cartographies and datascares for emerging metropolitan areas: testing 'Tell_me' research methodology for social cohesion and equity.</b></p> <p>Carlos Tapia Martín<sup>1</sup>, Blanca del Espino Hidalgo<sup>2</sup>, Emilio Mascort Albea<sup>3,1</sup><i>Higher Technical School of Architecture (Professor) Department of History, Theory and Composition in Architecture, <sup>2</sup>Andalusian Historical Heritage Institute (IAPH). Department of Built Heritage, Works and Infrastructures, <sup>3</sup>Higher Technical School of Architecture (Professor) Department of Building Structures and Ground Engineering</i></p>
<b>11.15-11.30</b>	<p><b>T0507 GIS Software modeling for localization strategies in planning activities</b></p> <p>Alessandra Pandolfi<sup>1</sup>, Giovanna Sona<sup>1</sup>, Marta Conconi<sup>1,1</sup><i>Politecnico di Milano</i></p>
<b>11.30-11.45</b>	<p><b>T0793a Tropical Botanical Urban Landscapes Schools: lessons from Roberto Burle Marx's Botanical Garden in Maracaibo, Venezuela.</b></p> <p>Maria Villalobos<sup>1</sup>, Carla Urbina<sup>1,1</sup><i>Botanical City</i></p>
<b>11.45-12.00</b>	<p><b>T0832 Mixed Urban-Rural Landscape: Focusing on the Housing-Farmland Interfaces in Tokyo Suburbs</b></p> <p>Takahiro Yamazaki<sup>1</sup>, David Mason<sup>1</sup>, Shota Endo<sup>1</sup>, Kai Kurimoto<sup>1</sup>, Akiko Iida<sup>1</sup>, Makoto Yokohari<sup>1,1</sup><i>The university of Tokyo</i></p>
<b>12.00-12.15</b>	<p><b>T0856 Urban Betterment and Ecological Restoration: Urban Periphery Area Green Space Transformation- Case Study of the Heizhuanghu Area</b></p> <p>Tingting Huang<sup>1</sup>, Jianning Zhu<sup>1</sup>, Ying Zhang<sup>1</sup>, Ruodong Han<sup>1,1</sup><i>Beijing Forestry University</i></p>
<b>12.15-12.30</b>	<p><b>T0886 On continuity: the landscape unit and eco-centrality</b></p> <p>Sandy Jiyeon Kim<sup>1,1</sup><i>Politecnico di Milano</i></p>
<b>12.30-12.45</b>	<p><b>T0950 Dynamic characterize of resilience in metropolitan city</b></p> <p>Jing Fu<sup>1</sup>, Jun Gao<sup>1,1</sup><i>Shanghai Normal University</i></p>

## Tuesday, 2 July 2019

<b>10.30-11.50</b>	<p><b>Symposium 53 - Policy and governance innovation in agricultural landscapes: recent trends and future pathways towards enhanced sustainability and food security.</b></p> <p><b>Room: U6 – 1B</b></p> <p>Session Organisers: José Muñoz-Rojas<sup>1</sup>, Teresa Pinto-Correia<sup>1</sup>, Rafael Mata-Olmo<sup>2</sup>, Isabel Loupa-Ramos<sup>3</sup>, Lone Kristensen<sup>4</sup></p> <p><sup>1</sup>ICAAM-Universidade de Évora, <sup>2</sup>Departamento de Geografía-Universidad Autónoma de Madrid, <sup>3</sup>Urbanismo e Ambiente-IST-Universidade de Lisboa, <sup>4</sup>Landscape Architecture and Planning- University of Copenhagen</p>
<b>10.30-10.35</b>	<b>Introduction to Symposium 53</b>
<b>10.35-10.40</b>	<p><b>T0568 Are certification schemes promoting more sustainable farm management practices? A case study in the Montado of the Alentejo region, Portugal</b></p> <p>Carla Azeda<sup>1</sup>, Nuno Guiomar<sup>1</sup>, Sérgio Godinho<sup>1</sup>, Teresa Pinto-Correia<sup>2</sup> <sup>1</sup>ICAAM - Instituto de Ciências Agrárias e Ambientais Mediterrânicas, Instituto de Investigação e Formação Avançada, Universidade de Évora, Pólo da Mitra, <sup>2</sup>ICAAM - Instituto de Ciências Agrárias e Ambientais Mediterrânicas, e Departamento de Paisagem, Ambiente e Ordenamento, Escola de Ciências e Tecnologia, Universidade de Évora, Pólo da Mitra</p>
<b>10.40-10.45</b>	<p><b>T0548 Sustainable governance of historic agrarian landscapes: winter meadows of Ticino river</b></p> <p>Paola Branduini<sup>1</sup>, Michele Bove<sup>2</sup>, Francesca Trotti<sup>2</sup> <sup>1</sup>Politecnico di Milano, <sup>2</sup>Parco Lombardo Valle del Ticino</p>
<b>10.45-10.50</b>	<p><b>T0678 Vegetation cover and land opportunity cost drive landowner's willingness to set aside land for conservation</b></p> <p>Francisco d'Albertas<sup>1</sup>, Adrian Gonzalez-Chavez<sup>1</sup>, Vitor Paciello<sup>1</sup>, Clarice Borges Matos<sup>1</sup>, Jean Paul Metzger<sup>1</sup> <sup>1</sup>University of São Paulo</p>
<b>10.50-10.55</b>	<p><b>T0476 Innovation approaches to governance of peri-urban areas: The case study of Agricultural Park Prato, Italy</b></p> <p>David Fanfani<sup>1</sup>, Barbora Duží<sup>2</sup> <sup>1</sup>University of Florence, Department of Architecture, <sup>2</sup>Institute of Geonics of the Czech Academy of Sciences</p>
<b>10.55-11.00</b>	<p><b>T0242 Perceived contributions of multifunctional landscapes to human wellbeing: Evidence from 13 European sites</b></p> <p>Nora Fagerholm<sup>1</sup>, Berta Martín-López<sup>2</sup>, Mario Torralba<sup>3</sup>, Elisa Oteros Rozas<sup>4</sup>, Claudia Bieling<sup>5</sup>, Tobias Plieninger<sup>6</sup> <sup>1</sup>University of Turku, Department of Geography and Geology, <sup>2</sup>Leuphana University of Lüneburg, Faculty of Sustainability, Institute for Ethics and Transdisciplinary Sustainability Research, <sup>3</sup>University of Kassel, Faculty of Organic Agricultural Sciences, <sup>4</sup>Pablo de Olavide University, Social and Participatory Action Research Group, <sup>5</sup>University of Hohenheim, Institute of Social Sciences in Agriculture, Societal Transition and Agriculture, <sup>6</sup>Georg-August-Universität, Department of Agricultural Economics and Rural Development</p>
<b>11.00-11.05</b>	<p><b>T0560 The role of rural landscape in peri-urban areas: the Living Lab. of Chieri Municipality (Turin Metropolitan Area, Italy)</b></p> <p>Federica Larcher<sup>1</sup>, Simonetta Alberico<sup>1</sup>, Paola Gullino<sup>1</sup>, Egidio Dansero<sup>2</sup>, Giacomo Pettenati<sup>2</sup>, Andrea Ballocca<sup>3</sup> <sup>1</sup>Dept. of Agriculture, Forest and Food Sciences, University of Turin, <sup>2</sup>Department of Cultures, Politics and Society, University of Turin, <sup>3</sup>Piedmont Information System Consortium</p>
<b>11.05-11.10</b>	<p><b>T0471 Improving the relevance of innovative agricultural innovations with key actors: case studies of technologies and practices from across Europe</b></p> <p>Maria Kernecker<sup>1</sup>, Andrea Knierim<sup>2</sup>, Teresa Kraus<sup>1</sup>, Friederike Borges<sup>1</sup>, Angelika Wurbs<sup>1</sup> <sup>1</sup>Leibniz Center for Agricultural Landscape Research, <sup>2</sup>University of Hohenheim</p>
<b>11.10-11.15</b>	<p><b>T_0972 Agri-environmental collaboratives – experiences from Rural Denmark</b></p> <p>Lone Sørderkvist Kristensen<sup>1</sup>, Jørgen Primdahl<sup>1</sup> <sup>1</sup>Department of Geosciences and Natural Resource Management, University of Copenhagen</p>
<b>11.15-11.30</b>	<p><b>T0894 Landscape governance: exploring the meeting-point of agriculture and spatial planning policies</b></p> <p>Isabel Loupa-Ramos<sup>1</sup>, Nuno David<sup>1</sup>, Jorge Silva<sup>1</sup> <sup>1</sup>IST/University of Lisbon</p>

11.30-11.35	<b>T0199 Fragmented governance in the rural landscapes of Alentejo (Portugal)</b> José Muñoz-Rojas <sup>1</sup> <sup>1</sup> <i>Universidade de Évora (ICAAM)</i>
11.35-11.40	<b>T0599 Result-based payments as a novel pathway for more adaptive farm management - application to the silvo-pastoral system Montado</b> Teresa Pinto-Correia <sup>1</sup> , Maria Helena Guimarães <sup>1</sup> , Isabel Ferraz de Oliveira <sup>1</sup> , Maria de Belém Freitas <sup>1</sup> <sup>1</sup> ICAAM/University of Évora
11.40-11.45	<b>T0786 An evidence synthesis on farmland in urban green infrastructure for informed policymaking – the missing link?</b> Werner Rolf <sup>1,2</sup> , Katharina Diehl <sup>2</sup> , Hubert Wiggering <sup>2</sup> <sup>1</sup> <i>Chair for Strategic Landscape Planning and Management, Technical University of Munich, Germany, <sup>2</sup>Institute of Environmental Science and Geography, Land Science, University of Potsdam, Germany</i>
11.45-11.50	<b>T_8844 Innovation in land use policy for food sufficiency: insights from seven Mediterranean local case-studies</b> Esther Sanz Sanz <sup>1</sup> <sup>1</sup> <i>INRA UR-Ecodéveloppement</i>

## Tuesday, 2 July 2019

10.30-12.30	<p style="text-align: center;"><b>Symposium 02 - From conservation priority area to ecological security pattern</b></p> <p style="text-align: center;"><b>Room: U6 – 1C</b></p> <p style="text-align: center;">Session Organisers: Jian Peng<sup>1</sup>, Jeroen Meersmans<sup>2</sup></p> <p style="text-align: center;"><sup>1</sup><i>Peking University - College of Urban and Environmental Sciences, <sup>2</sup>Cranfield University - School of Water, Energy and Environment</i></p>
10.30-10.40	<b>Introduction to Symposium 02</b>
10.40-11.00	<b>T0410 Urban landscape safe pattern: a case study in Beijing-Tianjin-Hebei region</b> Liding Chen <sup>1</sup> , Yongcai Jing <sup>1</sup> , Ranhao Sun <sup>1</sup> <sup>1</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
11.00-11.15	<b>T0413 3-D ecological security pattern construction in Shenzhen based on a birds view</b> Zhenhuan Liu <sup>1</sup> <sup>1</sup> <i>School of Geography and Planning, Sun Yat-sen University</i>
11.15-11.30	<b>T0213 The ecosystem-service performance analysis for sustainably protecting the historical cultural areas: the Three-hills and Five-gardens in Beijing, China</b> Qing Chang <sup>1</sup> , Wang xin Su <sup>1</sup> , Xiao-Lei Feng <sup>1</sup> , Li rongWang <sup>1</sup> , Hong Wang <sup>1</sup> <sup>1</sup> <i>Department of ornamental horticulture and landscape architecture, China Agricultural University</i>
11.30-11.45	<b>T0105 The debate of urban total ecological benefit control based on landscape ecology</b> Xiyue Cheng <sup>1</sup> , Tao Zao <sup>1</sup> , Dongxu Zhang <sup>1</sup> <sup>1</sup> <i>Beijing Tsinghua Tongheng Planning &amp; Design Institute</i>
11.45-12.00	<b>T0643 Regional vulnerability assessment of terrestrial biotopes regarding landscape change</b> Weißhuhn Peter <sup>1</sup> <sup>1</sup> <i>Leibniz Centre for Agricultural Landscape Research (ZALF)</i>
12.00-12.15	<b>T0704 The observation and valuation of karst ecosystems from local to global scales</b> Yuemin Yue <sup>1</sup> , Martin Brandt <sup>2</sup> , Xiaowei Tong <sup>1</sup> , Kelin Wang <sup>1</sup> <sup>1</sup> <i>Institute of Subtropical Agriculture, Chinese Academy of Sciences, <sup>2</sup>Department of Geosciences and Natural Resource Management, University of Copenhagen, Copenhagen, Denmark</i>
12.15-12.30	<b><del>T0744 The potential distribution and conservation of endemic plant species in dry hot valley of Jinshajiang river region under climate change</del></b> Guanghui Dai <sup>1</sup> , Maoyao Yan <sup>1</sup> , Zhiming Zhang <sup>1</sup> <sup>1</sup> <i>Institute of Ecology and Geobotany, School of Ecology and Environment Science, Yunnan University</i>

## Tuesday, 2 July 2019

10.30-11.35	<p style="text-align: center;"><b>Symposium 08 - Towards a 'traits' framework that is both ecologically and socio-culturally relevant: Functional traits beyond life history characteristics. Join a discussion on theory and application.</b></p> <p style="text-align: center;"><b>Room: U6 – 1D</b></p> <p style="text-align: center;">Session Organisers: Erik Andersson<sup>1</sup>, Dagmar Haase<sup>2</sup>, Timon McPhearson<sup>3</sup>, Johannes Langemeyer<sup>4</sup></p>
-------------	---

	<sup>1</sup> Stockholm Resilience Centre, Stockholm University, <sup>2</sup> Humboldt Universität zu Berlin and Helmholtz Centre for Environmental Research – UFZ, <sup>3</sup> Urban Systems Lab, The New School, <sup>4</sup> Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona
<b>10.30-10.45</b>	<b>Introduction to Symposium 08</b>
<b>10.45-11.00</b>	<b>T0318 Functional traits as a boundary object</b> Erik Andersson <sup>1</sup> , Dagmar Haase <sup>2</sup> , Timon McPhearson <sup>3</sup> <sup>1</sup> Stockholm Resilience Centre, Stockholm University, <sup>2</sup> Institute of Geography, Humboldt Universität zu Berlin, <sup>3</sup> Urban Systems Lab, The New School
<b>11.00-11.05</b>	<b>T0139 Relational traits: linking human values to social-ecological attributes of landscape in Melbourne, Australia</b> Dave Kendal <sup>1</sup> <sup>1</sup> University of Tasmania
<b>11.05-11.10</b>	<b>T0387 Functional assemblages of plants and birds: responses to past and present landscape structures</b> Lucie Lecoq <sup>1</sup> , Aude Ernoult <sup>1</sup> , Cendrine Mony <sup>1</sup> <sup>1</sup> CNRS UMR 6553 ECOBIO, University of Rennes 1
<b>11.10-11.15</b>	<b>T0467 Multi-user perspective applied on the maintaining of ecosystem service quality of man-dominated rural landscape, when provision is scattered between contrasting habitat types</b> Jaan Liira <sup>1</sup> , Taavi Paal <sup>1</sup> , Kertu Lõhmus <sup>2</sup> , Laura Kütt <sup>1</sup> <sup>1</sup> University of Tartu, <sup>2</sup> University of Oldenburg
<b>11.15-11.20</b>	<b>T0579 Plant patterning and social selection for traits in the urban environment: Comparative reflections from Cape Town and Stockholm</b> Julie Goodness <sup>1</sup> , Pippin M. L. Anderson <sup>2</sup> <sup>1</sup> Stockholm Resilience Centre - Stockholm University, <sup>2</sup> Department of Environmental & Geographical Science - University of Cape Town
<b>11.20-11.25</b>	<b>T0634 Cultural ecosystem services assessment with Earth observation based spectral traits</b> Thilo Wellmann <sup>1</sup> , Erik Andersson <sup>2</sup> , Angela Lausch <sup>3</sup> , Dagmar Haase <sup>1</sup> <sup>1</sup> Humboldt-Universität zu Berlin, <sup>2</sup> Stockholm Resilience Centre, <sup>3</sup> Helmholtz Centre for Environmental Research - UFZ
<b>11.25-11.30</b>	<b>T_9014 “Understanding of abiotic/ biotic and human induced traits and their interactions”</b> Angela Lausch <sup>1</sup> <sup>1</sup> Helmholtz Centre for Environmental Research - UFZ
<b>11.30-11.35</b>	<b>T_8819 Plant traits and natural vegetation in river restoration projects</b> Daria Sikorska <sup>1</sup> , Kinga Krauze <sup>1</sup> , Dorota Michalska-Hejduk <sup>2</sup> , Renata Włodarczyk-Marciniak <sup>1</sup> <sup>1</sup> European Regional Centre for Ecohydrology of the Polish Academy of Sciences, <sup>2</sup> Department of Geobotany and Plant Ecology, University of Łódź,
<b>11.35-12.30</b>	<b>General discussion</b>

## Tuesday, 2 July 2019

<b>10.30-12.15</b>	<p style="text-align: center;"><b>Symposium 71 - Synergistic Effects of Climate and Management on Biodiversity</b></p> <p style="text-align: center;"><b>Room: U6 – 1E</b></p> <p style="text-align: center;">Session Organisers: Robert Scheller<sup>1</sup>, Matthew Betts<sup>2</sup>, Melissa Lucash<sup>3</sup></p> <p style="text-align: center;"><sup>1</sup>North Carolina State University, <sup>2</sup>Oregon State University, <sup>3</sup>Portland State University</p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 71</b>
<b>10.45-11.00</b>	<b>T0391 Synergistic effects of climate and land-cover change on long-term bird population trend of the western USA: a test of modeled predictions</b> Matthew Betts <sup>1</sup> , Javier Gutiérrez Illán <sup>2</sup> <sup>1</sup> Oregon State University, <sup>2</sup> Washington State University
<b>11.00-11.15</b>	<b>T0723 Using robust decision-making and virtual reality to evaluate management tradeoffs under climate change</b> Melissa Lucash <sup>1</sup> , Jiawei Huang <sup>2</sup> , Klaus Keller <sup>2</sup> , Alex Klippel <sup>2</sup> , Robert Nicholas <sup>2</sup> , Erica Smithwick <sup>2</sup> <sup>1</sup> Portland State University, <sup>2</sup> The Penn State University
<b>11.15-11.30</b>	<b>T0173 Managing forest landscapes as functional complex networks to increase resilience: a simulation study</b> Marco Mina <sup>1</sup> , Núria Aquilué <sup>1</sup> , Matthew Duvenek <sup>2</sup> , Marie-Josée Fortin <sup>3</sup> , Christian Messier <sup>1-4</sup> <sup>1</sup> Université du Québec à Montréal, <sup>2</sup> Harvard Forest, Harvard University, <sup>3</sup> University of Toronto, <sup>4</sup> Université du Québec en Outaouais

<b>11.30-11.45</b>	<b>T_9006 Applying climate-adaptive forest management principles to a mixed-conifer landscape in Colorado, USA</b> Linda Nagel <sup>1</sup> , Chris Looney <sup>2</sup> , Mike Battaglia <sup>2</sup> , Courtney Peterson <sup>1</sup> , Chris Woodall <sup>2</sup> , Wilfred Previant <sup>1</sup> <sup>1</sup> Colorado State University, <sup>2</sup> USDA Forest Service, Rocky Mountain Research Station
<b>11.45-12.00</b>	<b>T0039 Landscape trajectories of ecosystem services under climate change and climate adapted management</b> Robert Scheller <sup>1</sup> , Charles Maxwell <sup>1</sup> <sup>1</sup> North Carolina State University
<b>12.00-12.15</b>	<b>T0407 Extinction filters mediate the global effects of fragmentation</b> Matthew Betts <sup>1</sup> , Chris Wolf <sup>1</sup> <sup>1</sup> Oregon State University

## Tuesday, 2 July 2019

<b>10.30-12.30</b>	<b>Symposium 70 - Seascape Ecology</b> <b>Room: U6 – 1F</b> Session Organisers: Alessandra Savini <sup>1</sup> , Daniela Basso <sup>1</sup> , Simone Farina <sup>2</sup> , Luca Fallati <sup>1</sup> , Daniele Grech <sup>2</sup> <sup>1</sup> Dept. of Earth and Environmental Sciences, University of Milano-Bicocca, <sup>2</sup> IMC International Marine Centre
<b>10.30-10.45</b>	<b>Introduction to Symposium 70</b>
<b>10.45-11.00</b>	<b>T_0988 Mediterranean shelf shaped by algal reef (coralligenous)</b> Valentina Alice Bracchi <sup>1</sup> , Daniela Basso <sup>1</sup> , Fabio Marchese <sup>1</sup> , Alessandra Savini <sup>1</sup> <sup>1</sup> University of Milano-Bicocca, Dept. of Earth and Environmental Sciences
<b>11.00-11.15</b>	<b>T0882 Seascape-scale factors modulate sea urchin predation in macrophyte ecosystems</b> Simone Farina <sup>1</sup> <sup>1</sup> IMC Foundation- Centro Marino Internazionale
<b>11.15-11.30</b>	<b>T0880 Using photogrammetry to quantify the movement rate and pattern of Culcita sp. (Echinodermata: Asteroidea).</b> Luca Saponari <sup>1</sup> , Luca Fallati <sup>1</sup> , Simone Montano <sup>1</sup> , Enrico Montalbetti <sup>1</sup> , Paolo Galli <sup>1</sup> , Davide Seveso <sup>1</sup> <sup>1</sup> University of Milano-Bicocca
<b>11.30-11.45</b>	<b>T0573 Risk caused by plastic pollution on marine ecosystems: a seascape-driven approach</b> Federica Guerrini <sup>1</sup> , Lorenzo Mari <sup>1</sup> , Renato Casagrandi <sup>1</sup> <sup>1</sup> Dipartimento di Elettronica, Informazione e Bioingegneria - Politecnico di Milano
<b>11.45-12.00</b>	<b>T0428 Habitat alteration increases consumer pressure across diverse marine ecosystems</b> Juhung Lee <sup>1</sup> , Jamie McDevitt-Irwin <sup>1</sup> , Fiorenza Micheli <sup>1</sup> , Brian Silliman <sup>2</sup> , Rodolfo Dirzo <sup>3</sup> <sup>1</sup> Hopkins Marine Station of Stanford University, <sup>2</sup> Nicholas School of the Environment, Duke University, <sup>3</sup> Department of Biology, Stanford University
<b>12.00-12.15</b>	<b>T0687 Convergence research on landscape and seascape resilience in the Anthropocene</b> Jamie Peeler <sup>1</sup> , Erica Smithwick <sup>1</sup> <sup>1</sup> The Pennsylvania State University
<b>12.15-12.30</b>	<b>T0382 Integrated multi-level strategy to incorporate biodiversity conservation in marine spatial planning of the Northern Adriatic Sea</b> Elena Gissi <sup>1</sup> , Elisabetta Manea <sup>1</sup> <sup>1</sup> Università Iuav di Venezia

## Tuesday, 2 July 2019

<b>14.00-15.30</b>	<b>Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals</b> <b>Room: Aula Magna</b> Session Organisers: Wenwu Zhao <sup>1</sup> , Yihe Lu <sup>2</sup> , Manish Kumar Goyal <sup>5</sup> , Francesco Cherubini <sup>3</sup> , Walter Musakwa <sup>4</sup> , Richard Ross Shaker <sup>6</sup> , Stefani Daryanto <sup>7</sup> <sup>1</sup> Faculty of Geographical Science, Beijing Normal University, <sup>2</sup> Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, <sup>3</sup> Norwegian University of Science and Technology, <sup>4</sup> University of Johannesburg, <sup>5</sup> Indian Institute of Technology Indore, <sup>6</sup> Ryerson University, <sup>7</sup> Indiana University – Purdue University Indianapolis
--------------------	---



14.00-14.15	<b>T0341 The introduction of an ecosystem services concept to Central Asia: practical experiences to-date</b> Burghard C. Meyer <sup>1</sup> , Lian Lundy <sup>2</sup> , Matraimov Kuban <sup>3</sup> , K. Zhakenova <sup>3</sup> <sup>1</sup> <i>Leipzig University, Institute of Geography</i> , <sup>2</sup> <i>Middlesex University, London</i> , <sup>3</sup> <i>CAREC, Regional Environmental Centre for Central Asia, Bishkek</i>
14.15-14.30	<b>T0414 Half century change of interactions among ecosystem services driven by ecological restoration: Quantification and policy implications at a watershed scale in the Chinese Loess Plateau</b> Ying Luo <sup>1</sup> , Yihe Lü <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Region Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
14.30-14.45	<b>T0423 Are there enough soil available water for vegetation sustainability in Loess Plateau of China?</b> Xiao Zhang <sup>1</sup> , Wenwu Zhao <sup>2</sup> , Lixin Wang <sup>2</sup> , Yuanxin Liu <sup>3</sup> <sup>1</sup> <i>Beijing Normal University</i> , <sup>2</sup> <i>Indiana University - Purdue University Indianapolis</i> , <sup>3</sup> <i>Chinese Academy of Sciences</i>
14.45-15.00	<b>T0470 Mapping critical natural capital for identification and conservation of ecological functional areas: Insights from the Tibetan Plateau</b> Yuanxin Liu <sup>1</sup> , Yihe Lü <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
15.00-15.15	<b>T0493 Mapping and Assessment of Ecosystem Services in Cyprus</b> Vassilis Litskas <sup>1</sup> , Ioannis Vogiatzakis <sup>1</sup> , Savvas Zotos <sup>1</sup> , Menelaos Stavriniades <sup>1</sup> , Paraskevi Manolaki <sup>1</sup> , Dimitrios Sarris <sup>1</sup> <sup>1</sup> <i>Open University of Cyprus</i>
15.15-15.20	<b>T0033 Linking catchment characteristics with stream water isotopes over multiple spatial scales in a humid area</b> Long Sun <sup>1</sup> , Lei Yang <sup>1</sup> , Liding Chen <sup>1</sup> , Fangkai Zhao <sup>1</sup> , Shoujuan Li <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
15.20-15.25	<b>T0215 Supply and demand assessment of urban park cultural services: A case study in Shenzhen</b> Qiandu Huang <sup>1</sup> <sup>1</sup> <i>School of Geography and Planning, Sun-Yat Sen University</i>
15.25-15.30	<b>T0227 The spatial relationship between landscape recreation service demand and urbanization</b> Zhenhua Bing <sup>1</sup> <sup>1</sup> <i>Shanghai Business School</i>

Tuesday, 2 July 2019	
14.00-15.30	<p align="center"><b>Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services</b></p> <p align="center"><b>Room: U6 - 02</b></p> <p align="center">Session Organisers: Felix Herzog<sup>1</sup>, Yunhui Liu<sup>2</sup>, Majid Iravani<sup>3</sup>, Tian Xiang Yue<sup>4</sup></p> <p align="center"><sup>1</sup><i>Agroscope</i>, <sup>2</sup><i>China Agricultural University</i>, <sup>3</sup><i>University of Alberta / Alberta Biodiversity Monitoring Institute</i>, <sup>4</sup><i>Chinese Academy of Sciences</i></p>
14.00-14.15	<b>T0461 Temporal dynamics of soil bacterial communities at a landscape scale: dependence to soil properties and agricultural practices</b> Laurie Dunn <sup>1</sup> , Samuel Dequiedt <sup>1</sup> , Mélanie Lelievre <sup>2</sup> , Christophe Lang <sup>3</sup> , Nicolas Merilleau <sup>4</sup> , Nicolas Chemidlin Prevost-Boure <sup>1</sup> <sup>1</sup> <i>Agroécologie, AgroSup Dijon, Institut National de la Recherche Agronomique (INRA)</i> , <i>Université Bourgogne Franche-Comté, F-21000 Dijon, France</i> , <sup>2</sup> <i>Agroécologie-Plateforme GenoSol, BP 86510, F-21000 Dijon, France</i> , <sup>3</sup> <i>Femto-ST Institute, Univ. Bourgogne Franche-Comté/CNRS Besançon – France</i> , <sup>4</sup> <i>IRD, Sorbonne Université, UMMISCO, F-93143, Bondy, France</i>
14.15-14.30	<b>T0354 The influence of landscape alterations on changes in ground beetle (Carabidae) and spider (Araneae) functional groups between 1995 and 2013 in an urban fringe of China</b> Meichun Duan <sup>1</sup> , Wenhao Hu <sup>2</sup> , Yunhui Liu <sup>2</sup> , Zhenrong Yu <sup>2</sup> , Jacques Baudry <sup>3</sup> <sup>1</sup> <i>College of Agronomy and Biotechnology, Southwest University</i> , <sup>2</sup> <i>College of Resources and Environmental Sciences, China Agricultural University</i> , <sup>3</sup> <i>SAD Paysage, National Institute of Agronomic Research (INRA)</i>
14.30-14.45	<b>T0430 Spatio-temporal analysis of the number of hunted animals for the assessment of the landscape quality and the provision of ecosystem services</b>

	Birgith Unterthurner <sup>1</sup> , Ulrike Tappeiner <sup>2</sup> , Johannes Rüdiger <sup>2</sup> , Lothar Gerstgrasser <sup>3</sup> , Andreas Agreiter <sup>4</sup> , Erich Tasser <sup>1</sup> <sup>1</sup> Eurac Research, Institute for Alpine Environment, <sup>2</sup> University of Innsbruck, Department of Ecology, <sup>3</sup> Südtiroler Jagdverband, <sup>4</sup> Amt für Jagd und Fischerei, Südtiroler Landesverwaltung
<b>14.45-15.00</b>	<b>T0350 Using Sentinel satellite data to supplement monitoring of farmland landscapes</b> Wendy Fjellstad <sup>1</sup> , Arnt Kristian Gjertsen <sup>1</sup> , Hanne Gro Wallin <sup>1</sup> <sup>1</sup> NIBIO - Norwegian Institute of Bioeconomy Research
<b>15.00-15.15</b>	<b>T0263 Classical land use maps or food resource maps – which one predicts predator abundance in crops better?</b> Lolita Ammann <sup>1</sup> , Aliette Bøsem-Baillo <sup>1</sup> , Martin H. Entling <sup>2</sup> , Felix Herzog <sup>1</sup> , Matthias Albrecht <sup>1</sup> <sup>1</sup> Agroscope, <sup>2</sup> Universität Koblenz-Landau
<b>15.15-15.30</b>	<b>T0099 Applying unmanned aerial vehicles (UAVs) to evaluate the impact of pastoral land uses on avian biodiversity in the Tibetan agricultural landscape</b> Li Li <sup>1</sup> , Andreas Fritz <sup>2</sup> , Ilse Storch <sup>3</sup> , Barbara Koch <sup>2</sup> <sup>1</sup> Center for Nature and Society, Peking University, <sup>2</sup> Chair of Remote Sensing and Land Information Systems (FeLis), Albert-Ludwigs University Freiburg, <sup>3</sup> Chair of Wildlife Ecology and Management, Albert-Ludwigs University Freiburg

## Tuesday, 2 July 2019

<b>14.00-14.30</b>	<p style="text-align: center;"><b>Symposium 10 - Using landscape simulation models to help balance conflicting goals in a changing forest: from timber production to carbon sequestration and biodiversity conservation</b></p> <p style="text-align: center;"><b>Room: U6 - 03</b></p> <p style="text-align: center;">Session Organisers: Anouschka Hof<sup>1</sup>, Miguel Montoro Girona<sup>2</sup>, Caren Dymond<sup>3</sup></p> <p style="text-align: center;"><sup>1</sup>Wageningen University, <sup>2</sup>Swedish University of Agricultural Sciences, <sup>3</sup>Ministry of Forests, Lands and Natural Resource Operations, Government of British Columbia</p>
<b>14.00-14.15</b>	<p><b>T0118 Moose browsing and insect outbreaks as drivers in forest landscapes</b></p> <p>Miguel Girona<sup>1</sup>, Anouschka Hof<sup>2</sup>, Hubert Morin<sup>3</sup>, Nathan De Jager<sup>4</sup>, Lionel Navarro<sup>3</sup>, Joakim Hjältén<sup>1</sup></p> <p><sup>1</sup>Department of Wildlife, Fish, and Environmental Studies, Swedish University of Agricultural Sciences (SLU), Umeå, SE-90183 Sweden, <sup>2</sup>Wageningen University, <sup>3</sup>University of Quebec in Chicoutimi, <sup>4</sup>Upper Midwest Environmental Sciences Center</p>
<b>14.15-14.30</b>	<p><b>T0081 Simulating impacts of restoration efforts on the suitability of forest landscapes for a locally critically endangered umbrella species</b></p> <p>Anouschka Hof<sup>1</sup>, Joakim Hjältén<sup>2</sup> <sup>1</sup>Wageningen University, <sup>2</sup>Swedish University of Agricultural Sciences</p>

## Tuesday, 2 July 2019

<b>14.00-15.30</b>	<p style="text-align: center;"><b>Symposium 09 - Scoping with future challenges in mountain landscapes</b></p> <p style="text-align: center;"><b>Room: Aula Martini (U6 - 04)</b></p> <p style="text-align: center;">Session Organisers: Uta Schirpke<sup>1,2</sup>, Genxu Wang<sup>3</sup>, Jie Gong<sup>4</sup>, Ulrike Tappeiner<sup>1,2</sup>, Georg Leitinger<sup>1</sup>, Emilio Padoa-Schioppa<sup>5</sup>, Fausto Manes<sup>6</sup>, Per Angelstam<sup>7</sup></p> <p style="text-align: center;"><sup>1</sup>University of Innsbruck, Department of Ecology; <sup>2</sup>Eurac Research, Institute for Alpine Environment, <sup>3</sup>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, <sup>4</sup>Lanzhou University, <sup>5</sup>University of Milano-Bicocca, <sup>6</sup>University of Roma - La Sapienza, <sup>7</sup>Swedish University of Agricultural Sciences</p>
<b>14.00-14.15</b>	<p><b>T0823 Analyzing the spatial coincidence of environmental stressors and ecosystem service provision in mountain forests</b></p> <p>Lukas Egarter Vigl<sup>1</sup>, Thomas Marsoner<sup>1</sup>, Sebastian Candiago<sup>1</sup>, Daniel Depellegrin<sup>2</sup> <sup>1</sup>Eurac Research, <sup>2</sup>CNR- Ismar</p>



<b>14.15-14.30</b>	<b>T0502 Impact of climate change on the hydrological response of mountain catchments in the Beskydy Protected Landscape Area, Czech Republic.</b> Stanislav Ruman <sup>1</sup> <sup>1</sup> <i>University of Ostrava</i>
<b>14.30-14.45</b>	<b>T0157 ALFFA - Holistic (multiscale) analysis of the factors and their effect on the fish fauna in inner-Alpine space</b> Katja Schmölz <sup>1</sup> , Roberta Bottarin <sup>1</sup> , Wolfgang Mark <sup>2</sup> , Bernd Pelster <sup>2</sup> , Josef Wieser <sup>3</sup> , Erich Tasser <sup>1</sup> <sup>1</sup> <i>Eurac Research, Institute for Alpine Environment</i> , <sup>2</sup> <i>University of Innsbruck</i> , <sup>3</sup> <i>Agentur Landesdomäne - Aquatisches Artenschutzzentrum</i>
<b>14.45-15.00</b>	<b>T0153 Linking ecosystem services and landscape ecological risk into adaptive management in a mountain-basin area in western China</b> Jie Gong <sup>1</sup> , Erjia Cao <sup>1</sup> , Yuchu Xie <sup>1</sup> , Caixian Xu <sup>1</sup> , Hongying Li <sup>1</sup> , Lingling Yang <sup>1</sup> <sup>1</sup> <i>Lanzhou University</i>
<b>15.00-15.15</b>	<b>T0651 Evaluating methods for participatory identification and mapping of ecosystem services from Andean peri-urban forests in Colombia</b> Francisco J. Escobedo <sup>1</sup> , Guibor Camargo <sup>1</sup> , Marius Bottin <sup>1</sup> , Alejandro Feged <sup>1</sup> , Nicola Clerici <sup>1</sup> <sup>1</sup> <i>Universidad del Rosario, Biology Program</i>
<b>15.15-15.30</b>	<b>T0780 Comparative Study of Ecosystem Service by Scientists' Evaluation and Managers' Perception: a Case Study of Mount Huangshan Scenic and Historic Area</b> Youbu Zhuang <sup>1</sup> <sup>1</sup> <i>Tsinghua University</i>

## Tuesday, 2 July 2019

<b>14.00-15.30</b>	<b>Symposium 50 - Disturbance, degradation, and restoration in fragile ecosystems: Implications for resource distribution and ecosystem service</b> <b>Room: U6 - 05</b> Session Organisers: Junran Li <sup>1</sup> , Sujith Ravi <sup>2</sup> , Shiliang Liu <sup>3</sup> , Yihe Lv <sup>4</sup> <sup>1</sup> <i>The University of Tulsa, Tulsa, OK, USA</i> , <sup>2</sup> <i>Temple University, Philadelphia, PA, USA</i> , <sup>3</sup> <i>Beijing Normal University</i> , <sup>4</sup> <i>Research Centre for Eco-environment Sciences, Chinese Academy of Sciences</i>
<b>14.00-14.15</b>	<b>T0257 Loss of soil resources by dust emission due to human activities</b> Itzhak Katra <sup>1</sup> <sup>1</sup> <i>Ben-Gurion University</i>
<b>14.15-14.30</b>	<b>T0277 Overland water-flow mechanism for ring formation in water-limited environments: field measurements and mathematical modeling</b> Hezi Yizhaq <sup>1</sup> , Ilan Stavi <sup>2</sup> , Nitzan Swet <sup>1</sup> , Itzhak Katra <sup>1</sup> <sup>1</sup> <i>Ben Gurion University</i> , <sup>2</sup> <i>Dead Sea and Arava Science Center</i>
<b>14.30-14.45</b>	<b>T0279 Using rare earth elements to quantify post-fire resource redistribution in a grassland-shrubland transition landscape</b> Junran Li <sup>1</sup> , Sujith Ravi <sup>2</sup> , Guan Wang <sup>1</sup> <sup>1</sup> <i>The University of Tulsa</i> , <sup>2</sup> <i>Temple University</i>
<b>14.45-15.00</b>	<b>T0420 Quantifying the driving factors of land degradation and restoration using geographically weighted regression in a typical dryland region</b> Yanjiao Ren <sup>1,2</sup> , Yihe Lü <sup>1,2</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i> , <sup>2</sup> <i>University of Chinese Academy of Sciences</i>
<b>15.00-15.15</b>	<b>T0424 Precipitation drives the nonlinear trends of fire in Africa</b> Fangli Wei <sup>1</sup> , Shuai Wang <sup>2</sup> , Bojie Fu <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i> , <sup>2</sup> <i>State Key Laboratory of Earth Surface Processes and Resource Ecology, Faculty of Geographical Science, Beijing Normal University</i>
<b>15.15-15.30</b>	<b>T0438 Mapping degraded alpine rangeland based on quantitative assessment of degradation classification in Lhasa river basin, the Qinghai-Tibetan Plateau</b> Guohua Liu <sup>1</sup> , Wangya Han <sup>1</sup> , Xukun Su <sup>1</sup> , Guohua Liu <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>

## Tuesday, 2 July 2019

14.00-15.30	<p align="center"><b>Symposium 45 - Conservation in the city</b>  <b>Room: U6 -06</b>  Session Organisers: Heather Sander<sup>1</sup>  <sup>1</sup>University of Iowa</p>
14.00-14.15	<p><b>T0308 Integrated Analysis of Social-ecological Functions of Urban Green Spaces in Traditional Village of Penglipuran, Bali, Indonesia</b>  Sadahisa Kato<sup>1</sup>, Kosuke Hishiyama<sup>2</sup> <sup>1</sup>Okayama University, <sup>2</sup>Kindai University</p>
14.15-14.30	<p><b>T0706 Birds in parks: The spatial pattern and factors of bird habitat and birdwatching, Beijing, China</b>  Zhengkai Zhang<sup>1</sup>, Ganlin Huang<sup>1</sup> <sup>1</sup>School of Natural Resources, Faculty of Geographical Science, Beijing Normal University, Beijing, China</p>
14.30-14.45	<p><b>T0162 Neighbor mimicry in front yard vegetation and its effects on city-scale plant biodiversity</b>  Bianca Lopez<sup>1</sup>, Alexis Smith<sup>2</sup>, Emily Minor<sup>2</sup> <sup>1</sup>National Socio-Environmental Synthesis Center (SESYNC), <sup>2</sup>University of Illinois at Chicago</p>
14.45-15.00	<p><b>T0528 Urban back gardens in landscape-scale conservation planning: what are the barriers and facilitators for urban residents to manage their spaces for wildlife</b>  Briony Norton<sup>1</sup>, Andrew Ramsey<sup>1</sup>, David Sheffield<sup>1</sup> <sup>1</sup>University of Derby</p>
15.00-15.15	<p><b>T_8830 Conserving Urban Biodiversity: Design Strategies for the Production of Urban Landscapes in Italy</b>  Emma Salizzoni<sup>1</sup>, Bianca Maria Rinaldi<sup>1</sup>, Alessandro Gabbianelli<sup>1</sup> <sup>1</sup>Politecnico di Torino - Interuniversity Department of Regional and Urban Studies and Planning</p>
15.15-15.30	<p><b>T0180 Designing nature in cities to safeguard meaningful experiences of biodiversity in an urbanizing world</b>  Assaf Shwartz<sup>1</sup> <sup>1</sup>Human and biodiversity research group, Technion-Israel Institute of Technology</p>

Tuesday, 2 July 2019	
14.00-15.30	<p align="center"><b>Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance</b>  <b>Room: U6 - 07</b>  Session Organisers: Hersperger Anna M.<sup>1</sup>, Grădinaru Simona R.<sup>2</sup>, Pierri Daunt Beatriz<sup>3</sup>  <sup>1</sup>Swiss Federal Research Institute WSL, <sup>2</sup>University of Bucharest, <sup>3</sup>State University of São Paulo</p>
14.00-14.15	<p><b>T0907 Spatial planning and territorial sustainability: Advances and challenges of strategic environmental assessment.</b>  Daniel Rozas<sup>1</sup>, María Isabel López<sup>1</sup>, Leonila Fernández<sup>1</sup> <sup>1</sup>Faculty of Natural Resources, Department of Environmental Sciences, Geography. Universidad Católica de Temuco</p>
14.15-14.30	<p><b>T0837 Changing visions: the impact of regional and county planning on land changes in Bucharest urban region</b> Cristian Ioja<sup>1</sup>, Simona Grădinaru<sup>1</sup>, Ana Maria Popa<sup>1</sup> <sup>1</sup>University of Bucharest</p>
14.30-14.45	<p><b>T0508 Wind power planning with a multicriteria approach - integrating biodiversity and ecosystem services in the Wind-GIS tool in Västernorrland, Sweden</b>  Ulla Mörtberg<sup>1</sup>, Deepa Manolan Kandy<sup>1</sup> <sup>1</sup>KTH Royal Institute of Technology, Stockholm</p>
14.45-15.00	<p><b>T0861 A novel tool for strategic planning: an agent-based model of land use change explores alternative visions for woodland restoration in Scotland</b>  Vanessa Burton<sup>1</sup>, Calum Brown<sup>2</sup>, Darren Moseley<sup>3</sup>, Marc Metzger<sup>1</sup> <sup>1</sup>University of Edinburgh, <sup>2</sup>Karlsruhe Institute of Technology, <sup>3</sup>Forest Research</p>
15.00-15.15	<p><b>T_9007 Mapping cultural ecosystem services capacity and demand to enhance the understanding of interactions among socio-ecological system</b></p>

	Sirui Wang <sup>1</sup> , Zhifang Wang <sup>1</sup> , Zhongwei Zhu <sup>1</sup> , Yaojin Zhou <sup>1</sup> , Yinglu Miu <sup>1</sup> , Hongpeng Fu <sup>1</sup> <sup>1</sup> <i>College of Architecture and Landscape Architecture, Peking University</i>
<b>15.15-15.30</b>	<b>T0554 Ecosystem services as an integral support tool for green infrastructure and landscape planning: a case of agro-industrial landscapes in Latvia</b> Anita Zariņa <sup>1</sup> , Ivo Vinogradovs <sup>1</sup> , Anda Ruskule <sup>2</sup> <sup>1</sup> <i>University of Latvia</i> , <sup>2</sup> <i>Baltic Environmental Forum</i>

Tuesday, 2 July 2019	
<b>14.00-15.00</b>	<b>Symposium 11 - From urban agriculture to edible cities – challenges and chances for approaching sustainable urban socio-ecological systems</b> <b>Room: U6 - 08</b> Session Organisers: Martina Artmann <sup>1</sup> , Jan Vávra <sup>2</sup> , Rommel Marius <sup>3</sup> <sup>1</sup> <i>Leibniz Institute of Ecological Urban and Regional Development (IOER)</i> , <sup>2</sup> <i>University of South Bohemia (USB)</i> , <sup>3</sup> <i>ZOE, the Institute for inclusive and sustainable economies</i>
<b>14.00-14.15</b>	<b>T0101 Evaluation of ecosystem services of urban agriculture land for urban planning in Beijing</b> Ruiming Ma <sup>1</sup> , Jürgen Breuste <sup>1</sup> , Maryam Bayat <sup>2</sup> , Wenju Yun <sup>3</sup> <sup>1</sup> <i>China Agricultural University</i> , <sup>2</sup> <i>Salyburg University</i> , <sup>3</sup> <i>Key Laboratory for Agricultural Land Quality Monitoring and Control</i>
<b>14.15-14.30</b>	<b>T0459 Community gardens as an adaptation and mitigation measure to climate change: an intention or an unexpected benefit for cities?</b> Lenka Dubová <sup>1</sup> , Jan Macháč <sup>1</sup> , Alena Vacková <sup>1</sup> <sup>1</sup> <i>J. E. Purkyne University in Usti nad Labem, Czech, Republic, Faculty of Social and Economic Studies - Institute for Economic and Environmental Policy</i>
<b>14.30-14.45</b>	<b>T0409 Gradation of urban agriculture – Spatial distribution of various experience farms in the Tokyo Metropolitan Area, Japan</b> Naomi Shimpō <sup>1</sup> <sup>1</sup> <i>University of Tsukuba</i>
<b>14.45-15.00</b>	<b>T0384 Solution for community re-building: Exposing the hidden social value of community agriculture in China</b> Xiaoying Ding <sup>1</sup> , Yukun Zhang <sup>1</sup> , Juan Wang <sup>1</sup> <sup>1</sup> <i>Tianjin University</i>

Tuesday, 2 July 2019	
<b>14.00-15.05</b>	<b>Symposium 22 - Land-use legacies and forest change: understanding the past to forecast the future</b> <b>Symposium 48 - The role of landscape experiments to inform large-scale habitat restoration</b> <b>Room: U6 - 09</b> Session Organisers (22): Matteo Garbarino <sup>1</sup> , Peter Weisberg <sup>2</sup> <sup>1</sup> <i>University of Torino, Dept. DISAFA</i> , <sup>2</sup> <i>University of Nevada, Reno</i> Session Organisers (48): Kevin Watts <sup>1,2</sup> , Kirsty Park <sup>2</sup> , Elisa Fuentes-Montemayor <sup>2</sup> <sup>1</sup> <i>Forest Research</i> , <sup>2</sup> <i>University of Stirling</i>
<b>14.00-14.15</b>	<b>T0935 Two centuries of extinction debt: landscape heterogeneity in the 18th and 19th centuries influences contemporary woodland ground beetle distribution</b> Chris Foster <sup>1</sup> , Jessica Neumann <sup>1</sup> , Geoffrey Griffiths <sup>1</sup> , Graham Holloway <sup>1</sup> <sup>1</sup> <i>University of Reading</i>
<b>14.15-14.30</b>	<b>T9008 Patterns and drivers of habitat loss in a rural landscape over multiple time periods between 1930 and 2015</b> Lucy Ridding <sup>1</sup> , Stephen Watson <sup>2</sup> , Adrian Newton <sup>2</sup> , Clare Rowland <sup>1</sup> , James Bullock <sup>1</sup> <sup>1</sup> <i>Centre for Ecology and Hydrology</i> , <sup>2</sup> <i>Bournemouth University</i>
<b>14.30-14.45</b>	<b>T0737 Landscape-level revegetation reverses the decline of woodland birds in rural environments</b> Andrew Bennett <sup>1,2</sup> , Greg Holland <sup>1</sup> , Rohan Clarke <sup>3</sup> <sup>1</sup> <i>La Trobe University</i> , <sup>2</sup> <i>Arthur Rylah Institute for Environmental Research</i> , <sup>3</sup> <i>Monash University</i>

<b>14.45-15.00</b>	<b>T0214 Animal diversity responding to different forest restoration landscapes in the Qinling Mountains, China</b> Xuehua Li <sup>1</sup> , Yuke Zhang <sup>1</sup> , Zixin Lv <sup>1</sup> , Xiangyu Zhao <sup>1</sup> , Xingzhong Yang <sup>2</sup> , Xiaodong Jia <sup>2</sup> <sup>1</sup> <i>State Key Joint Laboratory of Environmental Simulation and Pollution Control, School of Environment, Tsinghua University, Beijing 100084, China,</i> <sup>2</sup> <i>School of Life Sciences, Northwestern University, Shaanxi 710069, China</i>
<b>15.00-15.05</b>	<b>T0312 The Transformation of the Cultural Landscape with Washi Paper Industry in Gokayama Area, Japan</b> Wen Wang <sup>1</sup> , Katsue Fukamachi <sup>1</sup> , Shozo Shibata <sup>1</sup> <sup>1</sup> <i>Kyoto University</i>

## Tuesday, 2 July 2019

<b>14.00-15.30</b>	<b>Symposium 65 - Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene (order to be confirmed)</b> <b>Room: U6 - 10</b> Session Organisers: Veerle Van Eetvelde <sup>1</sup> , Simona Grădinaru <sup>2</sup> , Wenche Dramstad <sup>3</sup> , Werner Rolf <sup>4</sup> , Ileana Stupariu <sup>2</sup> <sup>1</sup> <i>University of Ghent, Department of Geography, Landscape Research Unit,</i> <sup>2</sup> <i>University of Bucharest,</i> <sup>3</sup> <i>NIBIO,</i> <sup>4</sup> <i>Chair for Strategic Landscape Planning and Management, Technical University of Munich</i>
<b>14.00-14.15</b>	<b>Introduction to Symposium 65</b>
<b>14.15-14.30</b>	<b>T0265 Between theory and practice - New training formats against the background of changing needs</b> Anneliese Fuchs <sup>1</sup> , Elisabeth Bachlechner <sup>1</sup> , Michael Jungmeier <sup>1</sup> , Susanne Glatz-Jorde <sup>1</sup> <sup>1</sup> <i>E.C.O. Institute of Ecology</i>
<b>14.30-14.45</b>	<b>T0955 Landscape' / 'Architecture' / 'Seeing' / 'Acting' Structuring disciplinary dichotomies for ecological learning</b> Rosalea Monacella <sup>1</sup> , Bridget Keane <sup>2</sup> <sup>1</sup> <i>Harvard University,</i> <sup>2</sup> <i>RMIT University</i>
<b>14.45-15.00</b>	<b>T0887 Bringing Landscape closer to biologists: teamwork for facing Anthropocene challenges in real life socioecosystems</b> César Agustín López Santiago <sup>1</sup> , Jose Antonio Gonzalez Novoa <sup>1</sup> <sup>1</sup> <i>Universidad Autónoma de Madrid</i>
<b>15.00-15.15</b>	<b>T0838 Landscape ecology in environmental education in Russian universities: is there a need for change in a changing environment?</b> Oxana Klimanova <sup>1</sup> , Nina Alexeeva <sup>1</sup> <sup>1</sup> <i>Lomonosov Moscow State University</i>
<b>15.15-15.20</b>	<b>T0942 Going beyond traditional teaching methods with Inquiry Based Science Learning (IBSE)</b> Marta Panisi <sup>1</sup> <sup>1</sup> <i>ANISN (associazione Nazionale Insegnanti di Scienze Naturali); Liceo Camillo Golgi - Breno (BS)</i>
<b>15.20-15.25</b>	<b>T0256 Teaching and learning landscape ecology to landscape architects in Italy toward protective, adaptative, redundant landscape design</b> Adriana Gherzi <sup>1</sup> , Ilda Vagge <sup>2</sup> <sup>1</sup> <i>University of Genoa, Department of Architecture and Design, Polytechnic School,</i> <sup>2</sup> <i>University of Milan, Department of Agricultural and Environmental Sciences</i>
<b>15:25-15:30</b>	<b>T0612 Impactful partnerships among graduate students and managers for regenerative landscape design</b> Erica Smithwick Smithwick <sup>1</sup> <sup>1</sup> <i>The Pennsylvania State University</i>

## Tuesday, 2 July 2019

<b>14.00-15.15</b>	<b>Symposium 55 - Assessing the patterns and drivers of land-use intensity change</b> <b>Room: U6 - 12</b> Session Organisers: Robert Pazur <sup>1</sup> , Matthias Bürgi <sup>1</sup> , Alexander Prishchepov <sup>2</sup> <sup>1</sup> <i>Swiss Federal Research Institute WSL,</i> <sup>2</sup> <i>University of Copenhagen</i>
--------------------	---

14.00-14.15	<b>T0748 Land system intensity change and their drivers in Mediterranean agricultural landscapes: a case study of the Vaucluse department (France)</b> Marta Debolini <sup>1</sup> , Martine Guerif <sup>1</sup> <sup>1</sup> INRA UMR EMMAH
14.15-14.30	<b>T0769 Landscape Modification, Livelihood Losses, and Socio-political Conflicts: A Geospatial Analysis of Coastal Aquaculture Practices in West Bengal, India</b> Debajit Datta <sup>1</sup> , Mrinmoyee Naskar <sup>2</sup> <sup>1</sup> Jadavpur University, <sup>2</sup> Baruipur College
14.30-14.45	<b>T0944 Understanding the effect of historic mega-fires on the structure and functions of Patagonian landscape of Chilean</b> Ángela Hernández-Moreno <sup>1</sup> <sup>1</sup> Centro de Investigación en Ecosistemas de la Patagonia
14.45-14.50	<b>T0566 Exposure to human influence – an alternative spatial variable for land use change modelling</b> Michal Druga <sup>1</sup> , Jozef Minár <sup>1</sup> <sup>1</sup> Department of Physical Geography and Geoecology, Faculty of Natural Sciences, Comenius University in Bratislava
14.50-14.55	<b>T0637 Past and present: 60 years of land use dynamics in south-central Chile.</b> Katherine Gabriela Hermosilla Palma <sup>1</sup> , Patricio Plischoff <sup>1</sup> <sup>1</sup> Pontificia Universidad Católica de Chile
14.55-15.00	<b>T0698 Land use intensity as a driving factor of semi-natural grassland management in relation to habitat type and rarity in Latvia (Eastern Baltic)</b> Solvita Rūsiņa <sup>1</sup> , Pēteris Lakovskis <sup>2</sup> , Ilze Dūmiņa <sup>1</sup> , Didzis Elferts <sup>3</sup> , Lauma Kupča <sup>4</sup> , Lauma Gustiņa <sup>1</sup> <sup>1</sup> Faculty of Geography and Earth Sciences, University of Latvia, <sup>2</sup> Institute of Agricultural Resources and Economics, <sup>3</sup> Faculty of Biology, University of Latvia, <sup>4</sup> Latvian Museum of Natural History
15.00-15.05	<b>T0759 Conserving Fragmented Mangroves in an Intensely Populated Landscape: A Multi-temporal Analysis of Forest Cover Changes in Coastal Odisha, India</b> Sohini Neogy <sup>1</sup> , Debajit Datta <sup>1</sup> <sup>1</sup> Jadavpur University
15.05-15.10	<b>T0905 Drivers and effects of long term land use and landscape changes in the Sudety Mountains, SW Poland</b> Agnieszka Latocha <sup>1</sup> , Mariusz Szymanowski <sup>1</sup> <sup>1</sup> University of Wrocław, Institute of Geography and Regional Development
15.10-15.15	<b>T0921 Abandonment of agriculture on Russian steppe: spatial determinants and landscape configuration</b> Robert Pazur <sup>1</sup> , Alexander Prishchepov <sup>2</sup> , Ksenya Myachina <sup>3</sup> , Sergey Levykin <sup>3</sup> , Matthias Bürgi <sup>1</sup> <sup>1</sup> Swiss Federal Research Institute WSL, <sup>2</sup> University of Copenhagen, <sup>3</sup> Institute of Steppe of the Ural Branch of the Russian Academy of Sciences

## Tuesday, 2 July 2019

14.00-15.30	<b>Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands</b> <b>Room: U6 - 18</b> Session Organisers: Zhifeng Wu <sup>1</sup> , Paolo Tarolli <sup>2</sup> , Xiuzhen Li <sup>3</sup> <sup>1</sup> Guangzhou University, <sup>2</sup> Padova University, <sup>3</sup> East China Normal University
14.00-14.15	<b>T0578 Identifying upstream locations critical for downstream floods</b> Karen Gabriels <sup>1</sup> , Jos Van Orshoven <sup>1</sup> , Patrick Willems <sup>2</sup> <sup>1</sup> Department of Earth and Environmental Sciences, KU Leuven, <sup>2</sup> Department of Civil Engineering, KU Leuven
14.15-14.30	<b>T0689 Coastal Delta in the Context of Urbanization and Global Change: Challenges and Sustainable Development</b> Zhifeng Wu <sup>1</sup> , Song Song <sup>1</sup> , Weiguo Jiang <sup>2</sup> , Xiankun Yang <sup>1</sup> <sup>1</sup> Guangzhou University, <sup>2</sup> Beijing Normal University
14.30-14.45	<b>T0712 Evaluating the anthropic impact on Indonesian Peatlands using the Airborne Electromagnetic method</b> Sonia Silvestri <sup>1</sup> , Rosemary Knight <sup>2</sup> , Andrea Viezzoli <sup>3</sup> , Curtis Richardson <sup>4</sup> , Gusti Anshari <sup>5</sup> , Noah Dewar <sup>2</sup> <sup>1</sup> Università di Padova – TESAF, <sup>2</sup> Stanford University, <sup>3</sup> Aarhus Geophysics, <sup>4</sup> Duke University, <sup>5</sup> Tanjungpura University
14.45-15.00	<b>T0730 Cooling effect of water body in the Pearl River Delta: Patch size threshold</b>

	Qianyuan Liu <sup>1</sup> , Jian Peng <sup>2</sup> <sup>1</sup> <i>Key Laboratory for Environmental and Urban Sciences, School of Urban Planning and Design, Shenzhen Graduate School, Peking University</i> , <sup>2</sup> <i>Laboratory for Earth Surface Processes, Ministry of Education, College of Urban and Environmental Sciences, Peking University</i>
<b>15.00-15.15</b>	<b>T0760 Analysing fragmentation patterns of interdunal wetlands along Medinipur Coastal Plain, India using landscape matrices</b> Asit Kumar Roy <sup>1</sup> , Debajit Datta <sup>1</sup> <sup>1</sup> <i>Jadavpur University</i>
<b>15.15-15.30</b>	<b>Discussion</b>

<b>Tuesday, 2 July 2019</b>	
<b>14.00-15.30</b>	<p><b>Symposium 39 - The design of the contemporary cities through a green and blue infrastructure for Ecosystem services provision</b></p> <p><b>Room: U6 – 1A</b></p> <p>Session Organisers: Silvia Ronchi<sup>1</sup>, Andrea Arcidiacono<sup>1</sup>, Angela Colucci<sup>2</sup></p> <p><sup>1</sup><i>Department of Architecture and Urban Studies (DASTU), Politecnico di Milano</i>, <sup>2</sup><i>REsilienceLAB / SIEP-IALE</i></p>
<b>14.00-14.15</b>	<b>Introduction to Symposium 39</b>
<b>14.15-14.30</b>	<p><b>T0859 From Landscape Vulnerability to Green Infrastructures values: towards a new governance</b></p> <p>Maddalena Gioia Gibelli<sup>1</sup>, Alessandra Borghini<sup>1</sup>, Luca Dorbolò<sup>1</sup>, Natalia Marzia Gusmerotti<sup>2</sup>, Luigino Pirola<sup>3</sup> Jacopo Chiara<sup>3</sup>, Maria Quarta<sup>3</sup>, Sarah Braccio<sup>3</sup>, Francesca La Greca<sup>3</sup>, Giorgio Pelassa<sup>3</sup>, Elena Porro <sup>1</sup><i>Studio Gioia Gibelli</i>, <sup>2</sup><i>Istituto di Management, Scuola Superiore Sant'Anna- Pisa</i>, <sup>3</sup><i>Studio Architettura del Paesaggio</i> <sup>3</sup><i>Gruppo di lavoro Regione Piemonte</i></p>
<b>14.30-14.45</b>	<p><b>T0328 Greening the space – co-designing the city under socio-economic transformation.</b></p> <p>Renata Włodarczyk-Marciniak<sup>1</sup>, Kinga Krauze<sup>1</sup>, Daria Sikorska<sup>1</sup> <sup>1</sup><i>European Regional Centre for Ecohydrology of the Polish Academy of Sciences</i></p>
<b>14.45-15.00</b>	<p><b>T0860 A multimethodological approach toward the evaluation of Ecosystem Services. A case study in the South of Milan</b></p> <p>Stefano Corsi<sup>1</sup>, Antonio Longo<sup>1</sup>, Catherine Dezio<sup>1</sup>, Alessandra Oppio<sup>1</sup> <sup>1</sup><i>DISAA – Unimi</i></p>
<b>15.00-15.15</b>	<p><b>T0829 CLEVER Cities up-running co-creation of Nature-Based Solutions: The Launch of urban Action Labs in Milan, Italy</b></p> <p>Israa Mahmoud<sup>1</sup>, Marina Trentin<sup>2</sup>, Maria Berrini<sup>3</sup>, Lorenzo Bono<sup>3</sup>, Stefano Casagrande<sup>4</sup>, Eugenio Morello<sup>1</sup> <sup>1</sup><i>DASTU, Politecnico di Milano</i>, <sup>2</sup><i>Eliante</i>, <sup>3</sup><i>Ambiente Italia</i>, <sup>4</sup><i>Comune di Milano</i></p>
<b>15.15-15.30</b>	<p><b>T0701 The Padova Walls and Water Park: how to employ a renaissance urban asset in our days</b></p> <p>Gianumberto Caravello<sup>1,2</sup>, Eleni Katelouzou<sup>2</sup>, Daniela Sartorato<sup>2</sup>, Fiorenzo CATERA<sup>2</sup>, Gianpaolo Barbariol<sup>3</sup>, Vittorio Spigai<sup>4</sup> <sup>1</sup><i>Padova University</i>, <sup>2</sup><i>Comitato Mura di Padova</i>, <sup>3</sup><i>Gruppo Giardino Storico - Università di Padova</i>, <sup>4</sup><i>IUAV (Istituto Universitario di Architettura di Venezia) &amp; Comitato Mura di Padova</i></p>

<b>Tuesday, 2 July 2019</b>	
<b>14.00-15.30</b>	<p><b>Symposium 56 - Biodiversity spillover in fragmented landscapes and effects on ecosystem services provision and regulation</b></p> <p><b>Room: U6 – 1B</b></p> <p>Session Organisers: Andrea Larissa Boesing<sup>1</sup>, Paula Ribeiro Prist<sup>1</sup></p> <p><sup>1</sup><i>Department of Ecology, University of São Paulo</i></p>
<b>14.00-14.15</b>	<b>Introduction to Symposium 56</b>
<b>14.15-14.30</b>	<p><b>T0619 Landscape structure as driver of avian-cross habitat spillover into agricultural matrices</b></p> <p>Andrea Larissa Boesing<sup>1</sup>, Elizabeth Nichols<sup>2</sup>, Thiago Simon Marques<sup>3</sup>, Luiz Antonio Martinelli<sup>4</sup>, Jean Paul Metzger<sup>5</sup> <sup>1</sup><i>University of São Paulo</i>, <sup>2</sup><i>Department of Biology, Swarthmore College</i>, <sup>3</sup><i>500 College</i></p>



	<i>Avenue, Swarthmore, USA, <sup>3</sup>Center for Environmental Studies, University of Sorocaba, <sup>4</sup>Center for Nuclear Energy in Agriculture, University of São Paulo, <sup>5</sup>Department of Ecology, University of São Paulo</i>
<b>14.30-14.45</b>	<b>P0222 Landscape structure effects on the interaction of ants and birds as providers of pest control in coffee farms</b> Natalia Aristizábal <sup>1</sup> , Felipe Librán-Embid <sup>2</sup> , Andrea Larissa Boesing <sup>3</sup> , Guilherme Prata Gonçalves <sup>4</sup> , Emilien Rottier <sup>5</sup> , Jean Paul Metzger <sup>3</sup> <sup>1</sup> <i>University of Vermont</i> , <sup>2</sup> <i>Georg-August-Universität Göttingen</i> , <sup>3</sup> <i>University of São Paulo</i> , <sup>4</sup> <i>São Paulo State University</i> , <sup>5</sup> <i>University of Angers</i>
<b>14.45-15.00</b>	<b>T0110 A landscape perspective to optimize coffee yields through forest cover management at regional scales</b> Adrian David González Chaves <sup>1</sup> , Luísa Carneiro <sup>2</sup> , Lucas Garibaldi <sup>3</sup> , Jean Paul Metzger <sup>1</sup> <sup>1</sup> <i>Universidade de São Paulo, Department of Ecology</i> , <sup>2</sup> <i>Universidade de Goiás</i> , <sup>3</sup> <i>Universidad Nacional de Río Negro</i>
<b>15.00-15.15</b>	<b>P0127 Does Semi-Natural Habitat Amplify Beneficial Spider Populations in a California Organic Vineyard?</b> Cord Phelps <sup>1</sup> , Lindsey Norgrove <sup>1</sup> <sup>1</sup> <i>Bern University of Applied Sciences</i>
<b>15.15-15.30</b>	<b>T_9009 Complimentary spillover of tropical forest bees into surrounding open areas varies according to landscape context</b> Danilo Boscolo <sup>1</sup> , Laura Nery <sup>1</sup> , Patricia Alves Ferreira <sup>1</sup> , Juliana Takata <sup>1</sup> <sup>1</sup> <i>University of São Paulo</i>

## Tuesday, 2 July 2019

<b>14.00-15.00</b>	<p style="text-align: center;"><b>Symposium 02 - From conservation priority area to ecological security pattern</b>  <b>Room: U6 – 1C</b>  Session Organisers: Jian Peng<sup>1</sup>, Jeroen Meersmans<sup>2</sup>  <sup>1</sup><i>Peking University - College of Urban and Environmental Sciences</i>, <sup>2</sup><i>Cranfield University - School of Water, Energy and Environment</i></p>
<b>14.00-14.15</b>	<b>T0913 The role of nature-based solutions for water and wastewater treatment in delivering ecosystem services and habitat connectivity in their wider landscape context.</b> Joanna Zawadzka <sup>1</sup> , Elaine Gallagher <sup>1</sup> , Heather Smith <sup>1</sup> , Ronald Corstanje <sup>1</sup> <sup>1</sup> <i>Cranfield University</i>
<b>14.15-14.30</b>	<b>T0732 Nature-based Regulation to Urban Thermal Risks: A Human Health Perspective</b> Junxiang Li <sup>1</sup> , Caiyan Wu <sup>1</sup> , Shengzi Chen <sup>1</sup> <sup>1</sup> <i>East China Normal University</i>
<b>14.30-14.45</b>	<b>T0959 Identifying the hotspots of anthropogenic heat in urban regions</b> Ranhao Sun <sup>1</sup> <sup>1</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
<b>14.45-15.00</b>	<b>T0330 Linking spatio-temporal change of urban heat island with cooling corridors identification in urban agglomeration</b> Yaxin Hu <sup>1</sup> , Jian Peng <sup>2</sup> <sup>1</sup> <i>Peking University Shenzhen Graduate School</i> , <sup>2</sup> <i>Peking University College of Urban Environmental sciences</i>

## Tuesday, 2 July 2019

<b>14.00-15.30</b>	<p style="text-align: center;"><b>Session Anthropogenic landscapes</b>  <b>Room: U6 – 1D</b></p>
<b>14.00-14.15</b>	<b>T0151 Agricultural Landscapes of Densification. The Case of Luxembourg.</b> Ivonne Weichold <sup>1</sup> <sup>1</sup> <i>University Luxembourg</i>
<b>14.15-14.30</b>	<b>T0112 Contribution of living landscapes on ecosystem services in small-holder farming systems</b> Yi Zou <sup>1</sup> , Felix J. J. A. Bianchi <sup>2</sup> , Joop de Kraker <sup>3</sup> , Haijun Xiao <sup>4</sup> , Wopke van der Werf <sup>5</sup> <sup>1</sup> <i>Department of Health and Environmental Sciences, Xi'an Jiaotong-Liverpool University</i> , <sup>2</sup> <i>Farming Systems Ecology, Wageningen University and Research</i> , <sup>3</sup> <i>Department of Science, Open University</i> , <sup>4</sup> <i>Institute of</i>

	<i>Entomology, Jiangxi Agricultural University, <sup>5</sup>Centre for Crop Systems Analysis, Wageningen University and Research</i>
<b>14.30-14.45</b>	<b>T0666 Identifying and supporting High Nature Value farmlands: lessons learned and future needs</b> Sebastian Klimek <sup>1</sup> , Ângela Lomba <sup>2</sup> , Michael Strohbach <sup>3</sup> , Jens Dauber <sup>1</sup> , David McCracken <sup>4,1</sup> <i>Thünen Institute of Biodiversity, <sup>2</sup>CIBIO-InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos da Universidade do Porto, <sup>3</sup>Landscape Ecology and Environmental Systems Analysis, Institute of Geoecology, Technische Universität Braunschweig, <sup>4</sup>Hill &amp; Mountain Research Centre, Scotland's Rural College</i>
<b>14.45-15.00</b>	<b>T0235 Can private property increase land degradation in pastoralist systems? The tragedy of the commons in the North-Eastern Qinghai-Tibetan Plateau in China.</b> Mattia C. Mancini <sup>1</sup> , James D. A. Millington <sup>1,1</sup> <i>Department of Geography, King's College London</i>
<b>15.00-15.15</b>	<b>T0344 Place-Participation, Place-Alienation and Place-Production in Vernacular Landscape</b> Sevgi Gormus <sup>1</sup> , Serhat Cengiz <sup>1</sup> , Bulent Yilmaz <sup>1,1</sup> <i>Inonu University College of Fine Art and Design Landscape Architecture Department</i>
<b>15.15-15.30</b>	<b>T0517 Landscape ecology and tourism research - intangible risks and tangible rewards</b> Sylvia Kulczyk <sup>1,1</sup> <i>University of Warsaw, Faculty of Geography and Regional Studies</i>

## Tuesday, 2 July 2019

<b>14.00-15.30</b>	<p style="text-align: center;"><b>Symposium 67 - Towards visionary peri-urban landscapes? Environmental governance mixes for sustainable peri-urbanization.</b></p> <p style="text-align: center;"><b>Room: U6 – 1E</b></p> <p style="text-align: center;">Session Organisers: Marcin Spyra<sup>1</sup>, Christine Fürst<sup>1</sup>, Tereza Aubrechtova<sup>2</sup>, Alina Schürmann<sup>1</sup> <i><sup>1</sup>Marthin Luther University Halle – Wittenberg, <sup>2</sup>University of Ostrava</i></p>
<b>14.00-14.15</b>	<b>Introduction to Symposium 67</b>
<b>14.15-14.30</b>	<b>T0624 Beyond boundaries, collaborative governance in periurban landscapes. Evidences from Alpine metropolitan areas</b> Aurore Meyfroidt <sup>1</sup> , Martina Van Lierop <sup>2</sup> , Alessandro Betta <sup>3,1</sup> <i>University Grenoble Alpes, <sup>2</sup>Technical University Munich, <sup>3</sup>University of Trento</i>
<b>14.30-14.45</b>	<b>T0114 Where houses and wildland vegetation meet – meta-analysis of criterions and methods of Wildland–Urban Interface determination</b> Dominik Kaim <sup>1,1</sup> <i>Jagiellonian University</i>
<b>14.45-15.00</b>	<b>T0821 It takes a region: weaving a strong partnership to grow a healthier urban forest</b> Melissa Cusic <sup>1,1</sup> <i>Chicago Region Trees Initiative</i>
<b>15.00-15.15</b>	<b>T0401 Analysis of Changes in Rural Landscape Interiors with the Use of Sectoral Analysis of Landscape Interiors (SALI, SAWK in Polish) - an Example from the Peri-Urban Zone of Wrocław (Poland)</b> Irena Niedźwiecka-Filipiak <sup>1</sup> , Justyna Rubaszek <sup>1</sup> , Anna Podolska <sup>1</sup> , Jowita Pyszczyk <sup>1,1</sup> <i>Wrocław University of Environmental and Life Sciences</i>
<b>15.15-15.30</b>	<b>T_8869 Research on the Integration Strategy of Suburban Fragmentation Landscape- Taking the Planning of Country Park Ring in Beijing Plain area as an Example</b> Ruodong Han <sup>1</sup> , Jianning Zhu <sup>1</sup> , Tingting Huang <sup>1</sup> , Ying Zhang <sup>1,1</sup> <i>Beijing Forestry University</i>

## Tuesday, 2 July 2019

<b>16.00-16.50</b>	<p style="text-align: center;"><b>Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals</b></p> <p style="text-align: center;"><b>Room: Aula Magna</b></p> <p style="text-align: center;">Session Organisers: Wenwu Zhao<sup>1</sup>, Yihe Lu<sup>2</sup>, Manish Kumar Goyal<sup>5</sup>, Francesco Cherubini<sup>3</sup>, Walter Musakwa<sup>4</sup>, Richard Ross Shaker<sup>6</sup>, Stefani Daryanto<sup>7</sup></p>
--------------------	---



	<sup>1</sup> Faculty of Geographical Science, Beijing Normal University, <sup>2</sup> Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, <sup>3</sup> Norwegian University of Science and Technology, <sup>4</sup> University of Johannesburg, <sup>5</sup> Indian Institute of Technology Indore, <sup>6</sup> Ryerson University, <sup>7</sup> Indiana University – Purdue University Indianapolis
<b>16.00-16.05</b>	<b>T0310 Spatial and temporal dynamics of ecosystem services in the Sanjiangyuan National Park, China</b> Wei Cao <sup>1</sup> , Dan Wu <sup>2</sup> , Lin Huang <sup>1</sup> , Jiangwen Fan <sup>1</sup> , Yunfeng Hu <sup>1</sup> <sup>1</sup> Institute of Geographic Sciences and Natural Resources Research, CAS, <sup>2</sup> Nanjing Institute of Environmental Sciences, Ministry of Environmental Protection
<b>16.05-16.10</b>	<b>T0361 Different household livelihood strategies and influencing factors in Inner Mongolia's typical steppe</b> Yang Liu <sup>1</sup> , Jianguo Wu <sup>2</sup> , Deyong Yu <sup>1</sup> , Yongzhi Yan <sup>3</sup> , Wanxin Hei <sup>3</sup> , Qing Zhang <sup>3</sup> <sup>1</sup> Center for Human–Environment System Sustainability (CHESS), State Key Laboratory of Earth Surface Processes and Resource Ecology (ESPRE), Beijing Normal University, <sup>2</sup> School of Life Science & Global Institute of Sustainability, Arizona State University, <sup>3</sup> Ministry of Education Key Laboratory of Ecology and Resource Use of the Mongolian Plateau, School of Ecology and Environment, Inner Mongolia University
<b>16.10-16.15</b>	<b>T0379 Significant Green Tree Retention in the Southern United States Contributes to Biodiversity</b> Steve Demarais <sup>1</sup> , Michael Parrish <sup>1</sup> , T. Bently Wigley <sup>2</sup> , Phil Jones, Andy Ezell <sup>1</sup> <sup>1</sup> Mississippi State University, <sup>2</sup> National Council for Air and Stream Improvement
<b>16.15-16.20</b>	<b>T0457 Mapping and promoting cultural ecosystem services using public participation for Sustainable Development Goals in Central-Hungary</b> István Valánszki <sup>1</sup> , Sándor Jombach <sup>1</sup> , Krisztina Filepné Kovács <sup>1</sup> <sup>1</sup> Szent István University, Faculty of Landscape Architecture and Urbanism, Department of Landscape Planning and Regional Development
<b>16.20-16.25</b>	<b>T0491 Application and challenge of big data in ecosystem service evaluation</b> Zhongwei Zhu <sup>1</sup> <sup>1</sup> Peking University
<b>16.25-16.30</b>	<b>T0495 An Integrated Land Use based Framework Matching Local Demand and Supply of Urban Ecosystem Services and Directing to the Implementation Actions in Fengxian District, Shanghai</b> Wei Linlin <sup>1</sup> , Ma Chen <sup>1</sup> , Pan Sufeng <sup>1</sup> , Cai Yongli <sup>1</sup> <sup>1</sup> East China Normal University
<b>16.30-16.35</b>	<b>T0773 The effect of climate and land use change on global soil erosion</b> Yi-Ming An <sup>1</sup> , Wenwu Zhao <sup>1</sup> , Ruijie Zhai <sup>1</sup> <sup>1</sup> Faculty of Geographical Science, Beijing Normal University
<b>16.35-16.40</b>	<b>T0799 Plant-associated microorganisms may contribute to air pollution reduction in Milan urban area (northern Italy)</b> Isabella Gandolfi <sup>1</sup> , Emilio Padoa Schioppa <sup>1</sup> , Claudia Canedoli <sup>1</sup> , Diego Brambilla <sup>1</sup> , David Cappelletti <sup>2</sup> , Bartolomeo Sebastiani <sup>2</sup> <sup>1</sup> University of Milano-Bicocca, Dept. of Earth and Environmental Sciences, <sup>2</sup> University of Perugia, Dipartimento di Chimica, Biologia e Biotecnologie
<b>16.40-16.45</b>	<b>T0914 The role of urban green spaces in care facilities for elderly people. Case study Romania</b> Diana Andreea Onose <sup>1</sup> , Cristian Ioan Iojă <sup>1</sup> , Martina Artmann <sup>2</sup> , Ana Maria Popa <sup>1</sup> , Cristina Mitincu <sup>1</sup> <sup>1</sup> University of Bucharest - Centre for Environmental Research and Impact Studies, <sup>2</sup> Leibniz Institute of Ecological Urban and Regional Development (IOER)
<b>16.45-16.50</b>	<b>T0598 Establishment and Application of Ecological Suitability Evaluation System for Highway Line Selection</b> Zhaoming Wang <sup>1</sup> <sup>1</sup> Research institute of highway, Ministry of Transport, China.

## Tuesday, 2 July 2019

<b>16.00-16.45</b>	<p style="text-align: center;"><b>Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services</b></p> <p style="text-align: center;"><b>Room: U6 - 02</b></p> <p style="text-align: center;">Session Organisers: Felix Herzog<sup>1</sup>, Yunhui Liu<sup>2</sup>, Majid Iravani<sup>3</sup>, Tian Xiang Yue<sup>4</sup></p> <p style="text-align: center;"><sup>1</sup>Agroscope, <sup>2</sup>China Agricultural University, <sup>3</sup>University of Alberta / Alberta Biodiversity Monitoring Institute, <sup>4</sup>Chinese Academy of Sciences</p>
--------------------	---

<b>16.00-16.15</b>	<b>T0586 Surface modelling of biodiversity and ecosystem services in China</b> Tianxiang Yue <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Resources and Environment Information System, Institute of Geographical Sciences and Natural Resources Research, University of Chinese Academy of Sciences</i>
<b>16.15-16.30</b>	<b>T0718 Developing a Semi-Automatic Classification tool to map habitats and GBI at European scale using OBIA method</b> Judit Rubio-Delgado <sup>1</sup> , Adara Pardo <sup>1</sup> , Rolo Victor <sup>1</sup> , María Jesús Montero <sup>1</sup> , Gerardo Moreno <sup>1</sup> <sup>1</sup> <i>INDEHESA, Forest Research Group, University of Extremadura</i>
<b>16.30-16.45</b>	<b>T0397 Mapping the Supply and Demand of Pollination Service for Pollination management: A Case Study in the Changping District of Beijing, China</b> Yunhui Liu <sup>1</sup> , Xiao Song <sup>1</sup> , Panglong Wu <sup>1</sup> <sup>1</sup> <i>College of Resources and Environmental Sciences, China Agricultural University</i>

## Tuesday, 2 July 2019

<b>16.00-17.30</b>	<b>Session Biodiversity Conservation</b> <b>Room: U6-03</b>
<b>16.00-16.15</b>	<b>T0843 Species traits and landscape changes as drivers of time lags in population decline and recovery</b> Lauren Enright <sup>1</sup> , Lisbeth Morrison <sup>2</sup> , Katie Willis <sup>1</sup> , Kevin Watts <sup>3</sup> , Simon Duffield <sup>4</sup> <sup>1</sup> <i>Imperial College London</i> , <sup>2</sup> <i>University of Reading</i> , <sup>3</sup> <i>Forest Research</i> , <sup>4</sup> <i>Natural England</i>
<b>16.15-16.30</b>	<b>T_9010 Importance of habitat landscape heterogeneity to big mammal species: taking giant panda as the case</b> Xuehua Liu <sup>1</sup> <sup>1</sup> <i>Tsinghua University</i>
<b>16.30-16.45</b>	<b>T_0991 Movements and habitat use of river dolphins (Cetartiodactyla: Iniidae) in the Amazon and Orinoco river basins, determined from satellite tagging</b> Federico Mosquera Guerra <sup>1</sup> , Fernando Trujillo <sup>1</sup> , Marcelo Oliveira <sup>2</sup> , Miriam Marmontel <sup>3</sup> , Hugo Mantilla-Meluk <sup>4</sup> <sup>1</sup> <i>Fundación Omacha</i> , <sup>2</sup> <i>WWF</i> , <sup>3</sup> <i>Mamiraguá</i> , <sup>4</sup> <i>Universidad del Quindío</i>
<b>16.45-17.00</b>	<b>T0757 Managing fire and fauna Down Under – spatially explicit solutions to understand bird distributions in disparate ecosystems</b> Frederick Rainsford <sup>1</sup> , Kate Giljohann <sup>2</sup> , Kate Senior <sup>2</sup> , Luke Kelly <sup>2</sup> , Andrew Bennett <sup>1</sup> <sup>1</sup> <i>La Trobe University</i> , <sup>2</sup> <i>University of Melbourne</i>
<b>17.00-17.15</b>	<b>T0766 Monitoring and Mapping of Avifauna Diversity towards Assessment of Wetland Ecosystem Health: A Study of Ichhamati Floodplains in West Bengal, India</b> Jibananda Gayen <sup>1</sup> , Debajit Datta <sup>1</sup> <sup>1</sup> <i>Jadavpur University</i>
<b>17.15-17.30</b>	<b>T0793b Managing fire and fauna Down Under – spatially explicit solutions to understand bird distributions in disparate ecosystems</b> Frederick Rainsford <sup>1</sup> , Kate Giljohann <sup>2</sup> , Kate Senior <sup>2</sup> , Luke Kelly <sup>2</sup> , Andrew Bennett <sup>1</sup> <sup>1</sup> <i>La Trobe University</i> , <sup>2</sup> <i>University of Melbourne</i>

## Tuesday, 2 July 2019

<b>16.00-17.45</b>	<b>Symposium 09 - Scoping with future challenges in mountain landscapes</b> <b>Room: Aula Martini (U6 - 04)</b> Session Organisers: Uta Schirpke <sup>1,2</sup> , Genxu Wang <sup>3</sup> , Jie Gong <sup>4</sup> , Ulrike Tappeiner <sup>1,2</sup> , Georg Leitinger <sup>1</sup> , Emilio Padoa-Schioppa <sup>5</sup> , Fausto Manes <sup>6</sup> , Per Angelstam <sup>7</sup> <sup>1</sup> <i>University of Innsbruck, Department of Ecology</i> ; <sup>2</sup> <i>Eurac Research, Institute for Alpine Environment</i> , <sup>3</sup> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i> , <sup>4</sup> <i>Lanzhou University</i> , <sup>5</sup> <i>University of Milano-Bicocca</i> , <sup>6</sup> <i>University of Roma - La Sapienza</i> , <sup>7</sup> <i>Swedish University of Agricultural Sciences</i>
<b>16.00-16.15</b>	<b>T0639 The Concept of Green Carrying Capacity and Application Framework of Green Carrying Capacity in Three-River-Source National Park</b>

	Genxu Wang <sup>1</sup> , Hui Yu <sup>1</sup> , Genxu Wang <sup>1</sup> , Yan yang <sup>1</sup> , Ruiying Chang <sup>1</sup> , Yaqiong Lv <sup>1</sup> <sup>1</sup> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
<b>16.15-16.30</b>	<b>T0044 Upcoming trade-offs between ecosystem services in mountain regions: outdoor recreation vs. habitat provision</b> Hieronymus Jäger <sup>1</sup> , Uta Schirpke <sup>2</sup> , Ulrike Tappeiner <sup>1</sup> <sup>1</sup> <i>University of Innsbruck</i> , <sup>2</sup> <i>Eurac Research</i>
<b>16.30-16.45</b>	<b>T_8908 Landscape protection vs mountain economic development – can conflicts be avoided? The Sudety Mountains case study (SW Poland)</b> Karolina Krolikowska <sup>1</sup> , Agnieszka Latocha <sup>2</sup> <sup>1</sup> <i>WSB University in Wroclaw</i> , <sup>2</sup> <i>Institute of Geography and Regional Development, University of Wroclaw</i>
<b>16.45-17.00</b>	<b>T0094 Are forested landscapes protecting against torrential hazards? Empirical, large scale evidence from the Alps</b> Julius Sebald <sup>1</sup> , Cornelius Senf <sup>2</sup> , Micha Heiser <sup>3</sup> , Christian Scheidl <sup>3</sup> , Dirk Pflugmacher <sup>4</sup> , Rupert Seidl <sup>1</sup> <sup>1</sup> <i>Institute for Silviculture, Department of Forest and Soil Sciences, University of Natural Resources and Life Sciences (BOKU) Vienna</i> , <sup>2</sup> <i>Integrative Research Institute on Transformations of Human-Environment Systems (IRI THESys)</i> , <sup>3</sup> <i>Institute of Mountain Risk Engineering, Department of Civil Engineering and Natural Hazards, University of Natural Resources and Life Sciences (BOKU) Vienna</i> , <sup>4</sup> <i>Geography Department, Humboldt-Universität zu Berlin</i>
<b>17.00-17.15</b>	<b>T0577 Long-term economic valuation of the protection service of forests against rockfall considering disturbances</b> Christine Moos <sup>1</sup> , Dorren Luuk <sup>1</sup> , Mélanie Thomas <sup>1</sup> <sup>1</sup> <i>Bern University of Applied Sciences</i>
<b>17.15-17.20</b>	<b>T0057 Effects of habitat structure and human disturbance on wintering black necked cranes in protected areas, Southwest China</b> Zhaolu Wu <sup>1</sup> <sup>1</sup> <i>School of Ecology and Environmental Sciences &amp; Yunnan Key Laboratory for Plateau Mountain Ecology and Restoration of Degraded Environments, Yunnan University</i>
<b>17.20-17.25</b>	<b>T0140 Spatiotemporal variation of heavy metal pollutions and ecological risk assessment in the Qinling Mountains</b> Xuehua Liu <sup>1</sup> , Zhaoxue Tian <sup>1</sup> , Wanlong Sun <sup>1</sup> , Yuke Zhang <sup>1</sup> , Xiangbo He <sup>2</sup> , Baisuo He <sup>3</sup> <sup>1</sup> <i>Tsinghua University</i> , <sup>2</sup> <i>Foping Nature Reserve</i> , <sup>3</sup> <i>Shaanxi Changqing National Nature Reserve Administration</i>
<b>17.25-17.30</b>	<b>T0411 Ground bryophytes regulate soil carbon cycling in subalpine forest ecosystem on the east edge of the Tibet Plateau</b> Shouqin Sun <sup>1</sup> , Genxu Wang <sup>1</sup> <sup>1</sup> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
<b>17.30-17.35</b>	<b>T0555 Anthropogenic nitrogen deposition increases soil carbon sequestration by enhancing new carbon of the soil aggregate formation in a montane forest</b> Ruiying Chang <sup>1</sup> , Genxu Wang <sup>1</sup> <sup>1</sup> <i>Key Laboratory of Mountain Environment Evolution and Regulation, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
<b>17.35-17.40</b>	<b>T0503 Impact of climate change on the hydrological response of mountain catchments in the Beskydy Protected Landscape Area, Czech Republic.</b> Stanislav Ruman <sup>1</sup> <sup>1</sup> <i>University of Ostrava</i>
<b>17.40-17.45</b>	<b>T_0977 Effects of Fire Severity and Topography on Soil Black Carbon Accumulation in Boreal Forest of Northeast China</b> Yu Chang <sup>1</sup> , Wentao Huang <sup>2</sup> , Yuanman Hu <sup>1</sup> <sup>1</sup> <i>CAS Key Laboratory of Forest Ecology and Management, Institute of Applied Ecology, Chinese academy of Sciences</i> , <sup>2</sup> <i>Institute of Applied Ecology, Chinese academy of Sciences</i>

## Tuesday, 2 July 2019

<b>16.00-17.30</b>	<p><b>Symposium 50 - Disturbance, degradation, and restoration in fragile ecosystems: Implications for resource distribution and ecosystem service</b></p> <p><b>Room: U6 - 05</b></p> <p>Session Organisers: Junran Li<sup>1</sup>, Sujith Ravi<sup>2</sup>, Shiliang Liu<sup>3</sup>, Yihe Lv<sup>4</sup></p> <p><sup>1</sup><i>The University of Tulsa, Tulsa, OK, USA</i>, <sup>2</sup><i>Temple University, Philadelphia, PA, USA</i>, <sup>3</sup><i>Beijing Normal University</i>, <sup>4</sup><i>Research Centre for Eco-environment Sciences, Chinese Academy of Sciences</i></p>
--------------------	--

16.00-16.15	<b>T0484 Fire history influences butterfly diversity in critically endangered south african renosterveld</b> Emmeline Topp <sup>1</sup> , Jacqueline Loos <sup>2</sup> , Friederike Sieve <sup>3</sup> , Teja Tscharnkte <sup>1</sup> <sup>1</sup> Georg-August University Goettingen, <sup>2</sup> Institute of Ecology, Faculty of Sustainability, Leuphana University Lueneburg, <sup>3</sup> Leuphana University Lueneburg
16.15-16.30	<b>T0635 The changes in the vegetation patterns in human dominated landscapes caused by disturbances and degradation.</b> Diana Pungar <sup>1</sup> , Robert Gerald Henry Bunce <sup>1</sup> , Kalev Sepp <sup>1</sup> , Janar Raet <sup>1</sup> , Miguel Villoslada Peciña <sup>1</sup> <sup>1</sup> Estonian University of Life Sciences (EMU)
16.30-16.45	<b>T0652 Effects of invasive plant species Quercus rubra on native forest ecosystems</b> Chiara Ferré <sup>1</sup> , Rodolfo Gentili <sup>1</sup> , Elisa Cardarelli <sup>2</sup> , Chiara Montagnani <sup>1</sup> , Giuseppe Bogliani <sup>2</sup> , Sandra Citterio <sup>1</sup> <sup>1</sup> Department of Earth and Environmental Sciences, University of Milano-Bicocca, Piazza della Scienza 1, 20126 Milano, Italy, <sup>2</sup> Department of Earth and Environmental Science, University of Pavia, Via Ferrata 9, 27100 Pavia, Italy
16.45-17.00	<b>T0945 Effects of land use and cover change and disturbances regime on the spatial resilience characteristics of the coastal landscape of south-central Chile.</b> Gonzalo Rebolledo <sup>1,2,3</sup> , Cristian Echeverría <sup>2,4</sup> , Mauricio Aguayo <sup>2,5</sup> <sup>1</sup> Doctorado en Ciencias Ambientales, Facultad de Ciencias Ambientales, Universidad de Concepción, Chile, <sup>2</sup> Laboratorio de Ecología del Paisaje, Facultad de Ciencias Forestales, Universidad de Concepción, Chile, <sup>3</sup> Laboratorio de Planificación Territorial, Depto. de Ciencias Ambientales, Universidad Católica de Temuco, Chile, <sup>4</sup> Núcleo Milenio Centro para el Impacto Socioeconómico de las Políticas Ambientales (CESIEP), <sup>5</sup> Centro EULA Chile, Facultad de Ciencias Ambientales, Universidad de Concepción, Chile.
17.00-17.15	<b>T_1001 Increased soil methane emissions and methanogenesis in oil contaminated areas</b> Juejie Yang <sup>1</sup> <sup>1</sup> Department of Environmental Science and Engineering, Tsinghua University
17.15-17.20	<b>T0289 Biodiversity Maintenance Mechanism of Community Succession in Karst Rocky Desertification Restoration Area in Yunnan, China</b> Kun Li <sup>1</sup> , Zihao Zhang <sup>2</sup> , Shuxin Fan <sup>1</sup> , Peiyao Hao <sup>1</sup> , Li Dong <sup>1</sup> <sup>1</sup> Beijing Forestry University, <sup>2</sup> University of Virginia
17.20-17.25	<b>T0538 Enhancing protection for wetlandscapes</b> Irena Creed <sup>1</sup> <sup>1</sup> University of Saskatchewan
17.25-17.30	<b>T0539 Spatiotemporal heterogeneity of land use change due to the ecological restoration and urbanization in the Chinese loess hilly region</b> Haitang Hu <sup>1</sup> , Yihe LV <sup>2</sup> <sup>1</sup> Beijing Research Center for Information Technology in Agriculture, BAFFS, <sup>2</sup> Research Center for Eco-Environmental Sciences, CAS
17.30-17.35	<b>T0540 Responses of soil water to rainfall events in black locust (Robinia pseudoacacia) plantation of different resored years in a hilly area of Loess Plateau, China</b>

Tuesday, 2 July 2019	
16.00-17.30	<p><b>Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance</b></p> <p><b>Room: U6 - 07</b></p> <p>Session Organisers: Hersperger Anna M.<sup>1</sup>, Grădinaru Simona R.<sup>2</sup>, Pierri Daunt Beatriz<sup>3</sup>  <sup>1</sup>Swiss Federal Research Institute WSL, <sup>2</sup>University of Bucharest, <sup>3</sup>State University of São Paulo</p>
16.00-16.05	<b>T0770 Identifying key nodes of ecological restoration using complex network theory</b> Danna Lyu <sup>1</sup> , Jian Peng <sup>2</sup> <sup>1</sup> School of Urban Planning and Design, Shenzhen Graduate School, Peking University, <sup>2</sup> College of Urban and Environmental Sciences, Peking University
16.05-16.10	<b>T0899 Assessing and monitoring land management on functional urban areas: a suggested framework and indicator</b> Erika Bazzato <sup>1</sup> , Michela Marignani <sup>1</sup> <sup>1</sup> University of Cagliari

16:10-16.15	<b>T0494 Inundation simulation for the riverbed elevation changes caused by quarrying in Panay River, Capiz, Philippines</b> Aicel Mae Alvarez <sup>1</sup> , Nappy Navarra <sup>1</sup> <i>College of Architecture, University of the Philippines</i>
16.15-16.30	<b>T_8868 Coproducing a local Landscape Character Assessment to guide strategic planning for Wilmslow, Cheshire</b> Jonathan Porter <sup>1</sup> , Jemma Simpson <sup>1</sup> , John Handley <sup>2</sup> , Jean Hill <sup>2</sup> <i>Countryside, Wilmslow Neighbourhood Plan Group</i>
16.30-16.45	<b>T0946 Evolution of strategic planning in a flagship protected area of China</b> Wei Liu <sup>1</sup> , Dihua Li <sup>2</sup> <i>IIASA, Peking University</i>
16.45-16.00	<b>T0657 Ecosystem service assessment as basis for regional development planning, steering concept and educational activities</b> Johannes Ruedisser <sup>1</sup> Uta Schirpke <sup>1,2</sup> ; Klemens Loacker <sup>3</sup> , Ole Ipsen <sup>4</sup> , Marco Heim <sup>5</sup> , Markus Werner <sup>6</sup> ; Ulrike Tappeiner <sup>1,2-1</sup> <i>Department of Ecology, University of Innsbruck, Austria; <sup>2</sup> Institute for Alpine Environment, Eurac Research, Bozen/Bolzano, Italy; <sup>3</sup> REVITAL Integrative Naturraumplanung GmbH, <sup>4</sup> Kleinwalsertal Tourismus eGen, Hirschegg, Austria; <sup>5</sup> Heim &amp; Gruber GbR, Oberstdorf, Germany; <sup>6</sup> Gemeinde Mittelberg, Walserstraße 52, A6991 Riezlern, Austria</i>
17.00-17.05	<b>T_0993a Worldwide human-wildlife conflicts: insights on why parrots forage in agricultural lands and its outcomes</b> Jomar Magalhaes Barbosa
17.05-17.10	<b>T0482 Assessing the extent of wildlife vehicle collisions (WVCs) on Cyprus road network</b> Ioannis Vogiatzakis <sup>1</sup> , Savvas Zotos <sup>1</sup> , Maria Zomeni <sup>1</sup> , Vassilis Litskas <sup>1</sup> , Stalo Leontiou <sup>1</sup> , Ioannis Vogiatzakis <sup>1</sup> <i>Open University of Cyprus</i>
17.10-17.25	<b>T_0971 Rural landscape strategies – between conflict management and place making</b> Jorgen Primdahl

Tuesday, 2 July 2019	
16.00-17.45	<b>Session Habitat fragmentation and landscape connectivity</b> <b>U6-08</b>
16.00-16.15	<b>T0734 Estimating parameters of landscape resistance using spatial autoregressive models</b> Erin E. Peterson <sup>1</sup> , Ephraim M. Hanks <sup>2</sup> , Mevin B. Hooten <sup>3</sup> , Jay M. Ver Hoef <sup>4</sup> , Marie-Josée Fortin <sup>5</sup> <i><sup>1</sup>Queensland University of Technology, <sup>2</sup>Pennsylvania State University, <sup>3</sup>Colorado State University, <sup>4</sup>NOAA National Marine Mammal Laboratory, Alaska Fisheries Science Centre, <sup>5</sup>University of Toronto</i>
16.15-16.30	<b>T0128 Analysing gene flow in heterogeneous landscapes: why and how to use genetic graphs?</b> Paul Savary <sup>1,2,3</sup> , Hervé Moal <sup>3</sup> , Stéphane Garnier <sup>2</sup> , Jean-Christophe Foltete <sup>1</sup> <i>UMR ThéMA (Université de Bourgogne-Franche-Comté – CNRS), <sup>2</sup>UMR Biogéosciences (Université de Bourgogne-Franche-Comté CNRS), <sup>3</sup>ARP-Astrance</i>
16.30-16.45	<b>T0520 Habitat configuration matters when evaluating habitat-area effects on host-parasitoid interactions</b> Kimberly With <sup>1</sup> , Daniel Pavuk <sup>2</sup> <i><sup>1</sup>Kansas State University, <sup>2</sup>Bowling Green State University</i>
16.45-17.00	<b>T0725 Contrasted responses of carabid (Coleoptera: Carabidae) communities' functional structure to local and landscape characteristics in forest fragments and hedgerows</b> Ronan Marrec <sup>1</sup> , Adèle Le Naviel <sup>1</sup> , Vincent Le Roux <sup>1</sup> , Guillaume Decocq <sup>1</sup> <i>EDYSAN UMR 7058 CNRS-UPJV</i>
17.00-17.15	<b>T0396 The impacts of roads on sub-Saharan African ecosystems: a systematic review</b> Lavinia Perumal <sup>1</sup> , Mark New <sup>2</sup> , Matthias Jonas <sup>3</sup> , Wei Liu <sup>3</sup> <i><sup>1</sup>University of Cape Town, <sup>2</sup>African Climate and Development Initiative, <sup>3</sup>International Institute for Applied Systems Analysis</i>
17.15-17.30	<b>T0064 Accounting for landscape connectivity uncertainties in predicting roadkills: a comparative approach between path selection functions and habitat suitability models</b> Francesco Valerio <sup>1</sup> , Filipe Carvalho <sup>2</sup> , A. Márcia Barbosa <sup>3</sup> , António Mira <sup>3</sup> , Sara M. Santos <sup>1</sup> <i>UBC – Conservation Biology Lab; Department of Biology, University of Évora, Évora, Portugal, <sup>2</sup>Research Center in Biodiversity and Genetic Resources (CIBIO/InBIO), University of Porto, Campus Agrário de Vairão, 4485-661 Vairão, Portugal; Department of Zoology and Entomology, School of Biological and</i>



	<i>Environmental Sciences, University of Fort Hare, Private Bag X1314, Alice 5700, South Africa,  <sup>3</sup>Department of Biology, University of Évora, Évora - Portugal</i>
<b>17.30-17.45</b>	<b>T0270 Contribution of functional connectivity to fragment occupancy by carnivores in a Mediterranean agroecosystem</b> Bruno Suárez de Tangil <sup>1</sup> , Alejandro Rodríguez <sup>1</sup> <i>Estación Biológica de Doñana - CSIC</i>

## Tuesday, 2 July 2019

<b>16.00-17.30</b>	<b>Session Urban forestry</b> <b>Room: U6-09</b>
<b>16.00-16.15</b>	<b>T0017 The cooling and ventilation effects of trees configuration in residential area in central China</b> Li Zhang <sup>1</sup> <i>Huazhong Agricultural University</i>
<b>16.15-16.30</b>	<b>T0134 Interannual Variation of Phenological Seasons in Beijing Demonstrates the Effect of Climate Change on Urban Vegetation</b> Xiaoyi Xing <sup>1</sup> , Peiyao Hao <sup>1</sup> , Li Dong <sup>1</sup> <i>School of Landscape Architecture, Beijing Forestry University</i>
<b>16.30-16.45</b>	<b>T0209 Strategy of Conserving Beijing's Imperial Garden Group as Urban National Park</b> Tianxin Zhang <sup>1</sup> <i>Peking University</i>
<b>16.45-17.00</b>	<b>T0696 Growth of two street tree species in Kyoto City, Japan</b> Tasuku Shoda <sup>1</sup> , Junichi Imanishi <sup>2</sup> , Shozo Shibata <sup>3</sup> <i><sup>1</sup>Graduate School of Agriculture, Kyoto University,  <sup>2</sup>Graduate School of Life and Environmental Sciences, Osaka Prefecture University, <sup>3</sup>Graduate School of Global Environmental Studies, Kyoto University</i>
<b>17.00-17.15</b>	<b>T0646 Influence of legislation regulations on the number of trees cut on private possessions in a city. Racibórz case study.</b> Patrycja Przewoźna <sup>1,2</sup> , Piotr Chmielewski <sup>3,1</sup> , Karolina Zięba-Kulawik <sup>4,1</sup> , Paweł Hawryto <sup>4</sup> , Adam Ingłot <sup>5,1</sup> , Piotr Wężyk <sup>4,1</sup> <i><sup>1</sup>Institute of Sociology, Faculty of Social Sciences Adam Mickiewicz University in Poznan,  <sup>2</sup>Institute of Geocology and Geoinformation Adam Mickiewicz University in Poznan, <sup>3</sup>Faculty of Artes Liberales University of Warsaw, <sup>4</sup>Institute of Forest Resources Management, Faculty of Forestry University of Agriculture in Krakow, <sup>5</sup>Faculty of Civil and Environmental Engineering Gdansk University of Technology Gdansk, Poland</i>
<b>17.15-17.30</b>	<b>T0076 Application of 3D ultrasonic tomography for tree risk assessment and wood evaluation</b> Michele Puxeddu, Silvana Fais <sup>1</sup> , Francesco Cuccuru <sup>1</sup> , Nicola Cau <sup>1</sup> <i><sup>1</sup>Dipartimento di Ingegneria Civile, Ambientale e Architettura (DICAAR), Università di Cagliari</i>

## Tuesday, 2 July 2019

<b>16.00-17.15</b>	<b>Symposium 65 - Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene</b> <b>Room: U6 - 10</b> Session Organisers: Veerle Van Eetvelde <sup>1</sup> , Simona Grădinaru <sup>2</sup> , Wenche Dramstad <sup>3</sup> , Werner Rolf <sup>4</sup> , Ileana Stupariu <sup>2</sup> <sup>1</sup> University of Ghent, Department of Geography, Landscape Research Unit, <sup>2</sup> University of Bucharest, <sup>3</sup> NIBIO, <sup>4</sup> Chair for Strategic Landscape Planning and Management, Technical University of Munich
<b>16.00-16.05</b>	<b>T0337 Interdisciplinary training through a distributed graduate course: DGS Landscape Genetics</b> Helene Wagner <sup>1</sup> , Melanie Murphy <sup>2</sup> , Lisette Waits <sup>3</sup> <i><sup>1</sup>University of Toronto, <sup>2</sup>University of Wyoming, <sup>3</sup>University of Idaho</i>
<b>16.05-16.10</b>	<b>T8896 Growing roots: using data to connect people to the trees in their communities</b> Emily Okallau <sup>1</sup> <i><sup>1</sup>Chicago Region Trees Initiative</i>
<b>16.10-16.25</b>	<b>T0025 LIFE "Sic2Sic - In bici attraverso la Rete Natura 2000 italiana" – creative writing in primary schools to increase knowledge on the importance and role of the Natura 2000 Network</b>

	Matteo Lener <sup>1</sup> , Maria Cecilia Natalia <sup>1</sup> , Paola Vinesi <sup>2</sup> <sup>1</sup> <i>Italian Institute for Environmental Protection and Research (ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale)</i> , <sup>2</sup> <i>Ares 2.0</i>
<b>16.25-16.40</b>	<b>T0683 Experiencing ecosystem services in the landscape</b> Ulrike Tappeiner <sup>1,2</sup> , Johannes Rüdiger <sup>1</sup> , Sarah Kerle <sup>1</sup> <sup>1</sup> <i>University of Innsbruck, Department of Ecology</i> , <sup>2</sup> <i>Eurac Research, Institute for Alpine Environment</i>
<b>16.40-16.55</b>	<b>T0969 Learning landscape ecology in the landscape: Educative tools in the context of a landscape observatory</b> Maria da Graça Saraiva Saraiva <sup>1</sup> , Isabel Loupa-Ramos <sup>2</sup> , Veerle Van Eetvelde <sup>3</sup> <sup>1</sup> <i>CIAUD/University of Lisbon</i> , <sup>2</sup> <i>IST/University of Lisbon</i> , <sup>3</sup> <i>Uniniversity of Ghent, Department of Geography</i>
<b>16.45-17.15</b>	<b>Discussion</b>

## Tuesday, 2 July 2019

<b>16.00-16.30</b>	<b>Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands</b> <b>Room: U6 - 18</b> Session Organisers: Zhifeng Wu <sup>1</sup> , Paolo Tarolli <sup>2</sup> , Xiuzhen Li <sup>3</sup> <sup>1</sup> <i>Guangzhou University</i> , <sup>2</sup> <i>Padova University</i> , <sup>3</sup> <i>East China Normal University</i>
<b>16.00-16.15</b>	<b>T8795 Urban transformation of river landscapes in mainland China over the past 60 years</b> Xiankun Yang <sup>1</sup> <sup>1</sup> <i>Guangzhou University</i>
<b>16.15-16.20</b>	<b>T0107 Island ecosystem management based on ecological vulnerability simulation and prediction: a case study of Zhujiajian Island</b> Zuolun Xie <sup>1</sup> , Xiuzhen Li <sup>1</sup> , Shenliang Chen <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Estuarine and Coastal Research, East China Normal University</i>
<b>16.20-16.25</b>	<b>T0313 Analysis of Urban Residential Density Based on Low Altitude UAV Tilt Photogrammetry</b> Renbo Luo <sup>1</sup> , Wei Wu <sup>1</sup> , Zhifeng Wu <sup>1</sup> <sup>1</sup> <i>School of Geographical Sciences, Guangzhou University</i>
<b>16.25-16.30</b>	<b>T0316 Characterizing the impact of urban morphology heterogeneity on land surface temperature in Guangzhou, China</b> Guanhua Guo <sup>1</sup> , Zhifeng Wu <sup>1</sup> <sup>1</sup> <i>Guangzhou University</i>

## Tuesday, 2 July 2019

<b>16.00-17.20</b>	<b>Symposium 39 - The design of the contemporary cities through a green and blue infrastructure for Ecosystem services provision</b> <b>Room: U6 – 1A</b> Session Organisers: Silvia Ronchi <sup>1</sup> , Andrea Arcidiacono <sup>1</sup> , Angela Colucci <sup>2</sup> <sup>1</sup> <i>Department of Architecture and Urban Studies (DASTU), Politecnico di Milano</i> , <sup>2</sup> <i>REsilienceLAB / SIEP-IALE</i>
<b>16.00-16.15</b>	<b>T_1003 Introduction of ecological corridors in Tirana city planning</b> Jamarber Malltezi <sup>1</sup> , Sherina Dalipaj <sup>2</sup> , Erdona Demiraj <sup>1</sup> , Sulejman Sulce <sup>1</sup> , Jamarber Malltezi <sup>1</sup> <sup>1</sup> <i>Agricultural Univeristy of Tirana</i> , <sup>2</sup> <i>Tirana Parks and Recreational Agency, Municipality of Tirana</i>
<b>16.15-16.30</b>	<b>T0939 Survey of the Social Environmental Designs for Ecosystem-based Adaptation and Preliminary Disaster Prevention utilizing the Green Infrastructure and Eco-DRR from the research of Kumamoto Earthquake</b> Naoko Fujita <sup>1</sup> <sup>1</sup> <i>University of Tsukuba</i>
<b>16.30-16.45</b>	<b>T_1004 Reshaping Urban Environments through Infrastructure Design Protocols</b> Rosalea Monacella <sup>1</sup> <sup>1</sup> <i>Harvard University</i>
<b>16.45-17.00</b>	<b>T_0717 The Regional Green Network: designing new landscapes in a complex region</b> Luisa Pedrazzini <sup>1</sup> <sup>1</sup> <i>Regione Lombardia</i>
<b>17.00-17.05</b>	<b>T0179 Air Purification by Urban Park Trees in Hong Kong</b>



	Allen Hao Zhang <sup>1</sup> <sup>1</sup> <i>Technological and Higher Education Institute of Hong Kong</i>
<b>17.05-17.10</b>	<b>T0197 Creating opportunities as a form of planning for cultural ecosystem services</b> Neven Tandarić <sup>1</sup> , Christopher D. Ives <sup>1</sup> , Charles Watkins <sup>1</sup> <sup>1</sup> <i>University of Nottingham</i>
<b>17.10-17.15</b>	<b>T0204 Cold and wet island effects of urban green spaces in cold winter in Beijing, China</b> Yilun Li <sup>1</sup> , Shuxin Fan <sup>1</sup> , Peiyao Hao <sup>1</sup> , Li Dong <sup>1</sup> <sup>1</sup> <i>School of Landscape Architecture, Beijing Forestry University</i>
<b>17.15-17.20</b>	<b>P0198 Agent-based simulation as an innovative approach to the design of green compact cities</b> Francesco Orsi <sup>1</sup> <sup>1</sup> <i>University of Trento</i>

## Tuesday, 2 July 2019

<b>16.00-16.45</b>	<p style="text-align: center;"><b>Symposium 56 - Biodiversity spillover in fragmented landscapes and effects on ecosystem services provision and regulation</b></p> <p style="text-align: center;"><b>Room: U6 – 1B</b></p> <p style="text-align: center;">Session Organisers: Andrea Larissa Boesing<sup>1</sup>, Paula Ribeiro Prist<sup>1</sup></p> <p style="text-align: center;"><sup>1</sup><i>Department of Ecology, University of São Paulo</i></p>
<b>16.00-16.15</b>	<b>T0546 Spillover of pollinator diversity and services from forest to oil palm in Jambi, Indonesia</b> Kevin Li <sup>1</sup> , Ingo Grass <sup>1</sup> , Jonathan Fung <sup>2</sup> , Fuad Nurdiansyah <sup>3</sup> , Damayanti Buchori <sup>4</sup> , Teja Tschardt <sup>1</sup> <sup>1</sup> <i>University of Goettingen</i> , <sup>2</sup> <i>University of Bremen</i> , <sup>3</sup> <i>University of Jambi</i> , <sup>4</sup> <i>Bogor Agricultural University</i>
<b>16.15-16.30</b>	<b>T0866 Landscape structure affects pollinator and natural enemy spillover: a meta-analysis</b> Carolina Montealegre-Talero <sup>1</sup> , Andrea Larissa Boesing <sup>1</sup> , Jean Paul Metzger <sup>1</sup> <sup>1</sup> <i>Department of Ecology, University of São Paulo</i>
<b>16.30-16.45</b>	<b>T_8915 Stepping into the forest: the potential for cross-habitat spillover of an emerging anthrax pathogen in West Africa</b> Lindsay Campbell <sup>1</sup> , Daniel Romero-Alvarez <sup>2</sup> , A. Townsend Peterson <sup>2</sup> <sup>1</sup> <i>Florida Medical Entomology Laboratory, Dept of Entomology &amp; Nematology, IFAS, University of Florida</i> , <sup>2</sup> <i>Biodiversity Institute, Dept of Ecology and Evolutionary Biology, University of Kansas</i>

## Tuesday, 2 July 2019

<b>16.00-17.30</b>	<p style="text-align: center;"><b>Session Anthropogenic landscapes</b></p> <p style="text-align: center;"><b>Room: U6 – 1D</b></p>
<b>16.00-16.15</b>	<b>T0804 Green seawall: challenge to conversion from gray to green infrastructure.</b> Hajime Matsushima <sup>1</sup> , Akira Suzuki <sup>2</sup> , Yoshihiko Hirabuki <sup>3</sup> , Kouji Kimura <sup>4</sup> , Xiangmei Zhong <sup>5</sup> , Akinori Fuji <sup>6</sup> <sup>1</sup> <i>Research Faculty of Agriculture, Hokkaido University</i> , <sup>2</sup> <i>Kita-no-satohama Hana-no-kakehashi Network</i> , <sup>3</sup> <i>Faculty of Liberal Arts, Tohoku Gakuin University</i> , <sup>4</sup> <i>Snow Brand Seed Co., Ltd</i> , <sup>5</sup> <i>Graduate school of Agriculture, Hokkaido University</i> , <sup>6</sup> <i>Board of Education, Chatan town</i>
<b>16.15-16.30</b>	<b>T0661 Ecological connectivity along the Tiber River: a GIS based study linking land use changes and habitats availability</b> Silvia Pili <sup>1</sup> , Giampiero Mazzocchi <sup>1</sup> , Davide Marino <sup>2</sup> <sup>1</sup> <i>Sapienza University</i> , <sup>2</sup> <i>Università Molise</i>
<b>16.30-16.45</b>	<b>T_7777 Remote sensing in a landscape planning perspective: a multi-scale analysis for mismatches between regulating and provisioning Ecosystem Services</b> Federica Marando <sup>1</sup> , Alessandro Sebastiani <sup>1</sup> , Fausto Manes <sup>1</sup> <sup>1</sup> <i>Sapienza University of Rome</i>
<b>16.45-17.00</b>	<b>T0348 Modeling of Landscape Pattern-Process Interaction for Ankara City</b> Serhat Cengiz <sup>1</sup> , Serhat Cengiz <sup>1</sup> , Dicle Oguz <sup>2</sup> , Sevgi Gormus <sup>1</sup> <sup>1</sup> <i>Inonu University College of Fine Art and Design Landscape Architecture Department</i> , <sup>2</sup> <i>Ankara University</i>
<b>17.00-17.15</b>	<b>T0649 Technomass: building a bridge between urban ecology, metabolism and planning</b> Luis Inostroza <sup>1</sup> , <sup>1</sup> <i>Universidad Autonoma de Chile</i>
<b>17.15 – 17.30</b>	<b>T0264 Mediterranean riparian forests as carbon bankers</b>

	M Rosário Fernandes <sup>1</sup> , Francisca C. Aguiar <sup>1</sup> , Alexandra Correia <sup>1</sup> , M João Martins <sup>1</sup> , Nuno Rico <sup>2</sup> , José M. C. Pereira <sup>1</sup> <sup>1</sup> <i>Forest Research Centre (CEF), School of Agriculture, University of Lisbon</i> , <sup>2</sup> <i>The Navigator Company</i>

Tuesday, 2 July 2019	
16.00-16.45	<p><b>Symposium 67 - Towards visionary peri-urban landscapes? Environmental governance mixes for sustainable peri-urbanization.</b></p> <p><b>Room: U6 – 1E</b></p> <p>Session Organisers: Marcin Spyra<sup>1</sup>, Christine Fürst<sup>1</sup>, Tereza Aubrechtova<sup>2</sup>, Alina Schürmann<sup>1</sup></p> <p><sup>1</sup><i>Marthin Luther University Halle – Wittenberg</i>, <sup>2</sup><i>University of Ostrava</i></p>
16.00-16.15	<p><b>P_8196 Long-term land use changes driven by urbanization and their environmental influences</b></p> <p>Zita Izakovičová<sup>1</sup>, Peter Mederly<sup>2</sup>, František Petrovič<sup>2</sup> <sup>1</sup><i>Institute of Landscape Ecology, Slovak Academy of Sciences</i>, <sup>2</sup><i>Department of Ecology and Environmental Sciences, Constantine the Philosopher University, Nitra</i></p>
16.15-16.30	<p><b>P0072 Spatial modeling of environmental risk of shallow groundwater in a typical urbanizing area, northeast China</b></p> <p>Jianbing Wei<sup>1</sup>, Shiqian Gao<sup>1</sup>, Quanguo Cheng<sup>1</sup> <sup>1</sup><i>College of Environment, Shenyang University, Key Laboratory of Eco-restoration of Regional Contaminated Environment, MOE</i></p>
16.30-16.35	<p><b>T0929 Types of suburban neighbourhoods in Warsaw agglomeration in the perspective of spatial and social integrity</b></p> <p>Paweł Sudra<sup>1</sup>, Dorota Mantey<sup>2</sup> <sup>1</sup><i>National Institute for Spatial Policy and Housing (KIPPiM)</i>, <sup>2</sup><i>University of Warsaw</i></p>
16.35-16.40	<p><b>T0357 Neglected urban open spaces as a potential cultural ecosystem services provisioning areas in peri-urban context</b></p> <p>Marcin Spyra<sup>1</sup>, Tereza Aubrechtova<sup>2</sup>, Luis Inostroza<sup>3</sup>, Petr Krpec<sup>2</sup> <sup>1</sup><i>Martin-Luther University Halle-Wittenberg</i>, <sup>2</sup><i>University of Ostrava</i>, <sup>3</sup><i>Ruhr-University Bochum</i></p>
16.40-16.45	<p><b>T0035 Linking land use pattern to soil antibiotic contamination in a peri-urban area</b></p> <p>Fangkai Zhao<sup>1</sup>, Lei Yang<sup>1</sup>, Liding Chen<sup>1</sup>, Long Sun<sup>1</sup>, Shoujuan Li<sup>1</sup> <sup>1</sup><i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i></p>

### Springer Journal “Landscape Ecology” - Call for Papers!

Springer journal **Landscape Ecology** is the flagship journal of the **International Association for Landscape Ecology**.

It publishes theoretical, methodological, and empirical studies that help better understand and improve the ecology and sustainability of landscapes.

The journal welcomes manuscripts that focus on:

- (1) Flows and redistributions of organisms, materials, and energy in landscape mosaics;
- (2) Landscape connectivity and habitat fragmentation;
- (3) Ecosystem services in dynamic landscapes;
- (4) Landscape history and legacy effects;
- (5) Landscape and climate change interactions (particularly landscape-based mitigation and adaptation approaches);
- (6) Landscape sustainability and resilience;
- (7) Ecological impacts and mechanisms of land use/land cover change;
- (8) Scaling relations of patterns and processes across landscapes;
- (9) Innovative methods in landscape analysis and modeling;
- (10) Accuracy assessment and uncertainty analysis of landscape studies.

**Landscape Ecology** publishes several types of papers such as Research Articles, Perspectives, Reviews, and Short Communications. As timely assessments of key topics in landscape ecology are critically important for advancing the theory and practice of the field, the journal encourages the submission of reviews and perspective articles that synthesize existing knowledge and ideas, critique existing perspectives and approaches, and explore new research frontiers. We also offer incentives to students and Early Career Researchers when their Perspectives or Reviews paper is accepted for publication. In addition, Short Communications are designed for rapid publications of novel research results as well as new methods and techniques.

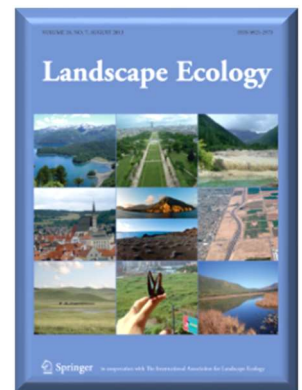
**Landscape Ecology** is the key barometer of how the field is progressing and, therefore, accepts the best papers that represent *your* science and your profession. Learn more about Springer journal **Landscape Ecology** and submit your paper today! If you have any questions, please contact the Editor-in-Chief, Dr. Jianguo (Jingle) Wu (Arizona State University) (Jingle.Wu@asu.edu) or Takeesha Moerland-Torpey (Springer Nature, Netherlands) (takeesha.moerland-torpey@springernature.com).

Springer will be attending the 10<sup>th</sup> IALE World Congress. Feel free to stop by the exhibit stand to discuss the journal with Takeesha Moerland-Torpey, Associate Editor of the Ecology and Conservation journal program at Springer Nature.

For the latest **Landscape Ecology** (#SNLAND) content:



@SpringerEcology  
@SpringerPlants



## Thursday, 4<sup>th</sup> July 2019

<b>08.30-10.00</b>	<b>PLENARY SESSION</b> <b>Round table discussion on the impacts of landscape ecology for societies today and in the future,</b> <b>Room: Aula Magna</b>  <b>Cristine Fürst (chair and moderator)</b>  Yazidhi Bamatuze (Secretary general IALE Africa), Henry Bulley (IALE Africa), Li Li (IALE International), Ramesh Krishnamurthy (India), An Thinh Nguyen (Vietnam), Hans Bruyninckx (Europe), Veerle van Eetvelde (Europe), Felix Kienast (Switzerland), Emilio Padoa-Schioppa (Italy), Pinar Pamukshu (Turkey), Luis Inostroza (Chile), Rob Scheller (North America), Janet Franklin (North America), Sima Fakheran (Iran), Ksenia Merekalova (Russia)
--------------------	--

## Thursday, 4<sup>th</sup> July 2019

<b>10.30-12.30</b>	<b>Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals</b> <b>Room: Aula Magna</b> Session Organisers: Wenwu Zhao <sup>1</sup> , Yihe Lu <sup>2</sup> , Manish Kumar Goyal <sup>5</sup> , Francesco Cherubini <sup>3</sup> , Walter Musakwa <sup>4</sup> , Richard Ross Shaker <sup>6</sup> , Stefani Daryanto <sup>7</sup> <sup>1</sup> <i>Faculty of Geographical Science, Beijing Normal University</i> , <sup>2</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i> , <sup>3</sup> <i>Norwegian University of Science and Technology</i> , <sup>4</sup> <i>University of Johannesburg</i> , <sup>5</sup> <i>Indian Institute of Technology Indore</i> , <sup>6</sup> <i>Ryerson University</i> , <sup>7</sup> <i>Indiana University – Purdue University Indianapolis</i>
<b>10.30-10.45</b>	<b>T0230 Impacts of land management and land cover change on albedo - a global assessment</b> Cristina Maria Iordan <sup>1</sup> , Bo Huang <sup>1</sup> , Xiangping Hu <sup>1</sup> , Otavio Cavalett <sup>1</sup> , Helene Muri <sup>1</sup> , Francesco Cherubini <sup>1</sup> <sup>1</sup> <i>Norwegian University of Science and Technology</i>
<b>10.45-11.00</b>	<b>T0873 The path towards MAES Estonia</b> Miguel Villoslada <sup>1</sup> , Kalev Sepp <sup>1</sup> <sup>1</sup> <i>Estonian University of Life Sciences</i>
<b>11.00-11.15</b>	<b>T0893 Detecting critical scales and fragmentation thresholds for chimpanzee habitat connectivity in Liberia</b> Amy Frazier <sup>1</sup> , Catherine Hudson <sup>1</sup> , Miroslav Honzak <sup>2</sup> , Keith Gaddis <sup>3</sup> , Celio Helder Sousa <sup>3</sup> <sup>1</sup> <i>Arizona State University</i> <sup>2</sup> <i>Conservation International</i> <sup>3</sup> <i>National Aeronautics and Space Administration</i>
<b>11.15-11.30</b>	<b>T0991 Linking microbial structure to ecosystem function for improved prediction of ecosystem processes</b> Kusum Naithani <sup>1</sup> <sup>1</sup> <i>University of Arkansas</i>
<b>11.30-11.45</b>	<b>T0992 Worldwide human-wildlife conflicts: insights on why parrots forage in agricultural lands and its outcomes</b> Jomar Magalhaes Barbosa <sup>1</sup> , Miguel Ángel Romero Gil <sup>1</sup> , Fernando Hiraldo <sup>1</sup> , José Luis Tella <sup>1</sup> <sup>1</sup> <i>Department of Conservation Biology, Estación Biológica de Doñana, C.S.I.C.</i>
<b>11.45-12.00</b>	<b>T1012 Niche Evolution of China's Provincial Social-Economic-Natural Complex Ecosystems, 2005–2015</b> Shuan-ning Zheng <sup>1</sup> , Yuan-tong Jiang <sup>1</sup> , Chun-yuan Zhao <sup>1</sup> , Ye-ning Wang <sup>1</sup> <sup>1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i>
<b>12.00-12.15</b>	<b>T8783 The Ecosystem Services of wetlands: a diachronic analysis of landscape changes in six Italian Ramsar Sites</b> Serena D'Ambrogio <sup>1</sup> , Riccardo Santolini <sup>2</sup> , Francesca Assennato <sup>1</sup> , Alice Cavalli <sup>3</sup> , Susanna D'Antoni <sup>1</sup> , Michele Munafò (ISPRA), Ines Marinosci <sup>1</sup> , Giovanni Pasini <sup>4</sup> , Giovanna Panza <sup>4</sup> , Elisa Morri <sup>2</sup> <sup>1</sup> <i>ISPRA</i> <sup>2</sup> <i>University of Urbino</i> <sup>3</sup> <i>IUSS Pavia</i> , <sup>4</sup> <i>CREN</i>

Thursday, 4 <sup>th</sup> July 2019	
10.30-12.30	<p align="center"><b>Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services</b></p> <p align="center"><b>Room: U6-02</b></p> <p align="center">Session Organisers: Felix Herzog<sup>1</sup>, Yunhui Liu<sup>2</sup>, Majid Iravani<sup>3</sup>, Tian Xiang Yue<sup>4</sup></p> <p align="center"><sup>1</sup>Agroscope <sup>2</sup>China Agricultural University <sup>3</sup>University of Alberta / Alberta Biodiversity Monitoring Institute <sup>4</sup>Chinese Academy of Sciences</p>
10.30-10.35	<p><b>T0727 Beyond the stand: Reviewing landscape fragmentation measures and dynamics on biodiversity and ecosystem services in Southeast Asia</b></p> <p>Michaela Lo<sup>1</sup>, Yves Laumonier<sup>1</sup> <sup>1</sup>CIFOR</p>
10.35-10.40	<p><b>T0594 Beyond agricultural production: using remote sensing to map farmlands' biodiversity</b></p> <p>Edyta Wozniak<sup>1</sup>, Wlodek Kofman<sup>1,2</sup>, Sebastian Aleksandrowicz<sup>1</sup>, Marcin Rybicki<sup>1</sup>, Stanislaw Lewiński<sup>1</sup>, Artur Łączyński<sup>3</sup> <sup>1</sup>Space Research Centre of The Polish Academy of Sciences <sup>2</sup>Institut de Planetologie et d'Astrophysique de Grenoble, CNRS/UGA <sup>3</sup>Central Statistical Office of Poland</p>
10.40-10.45	<p><b>T0307 Similarities of carabid assemblages in neighboring cereal and grassland fields in three intensive agricultural areas</b></p> <p>Damien Massaloux<sup>1</sup>, Benoit Sarrazin<sup>1</sup>, Anthony Roume<sup>1</sup>, Vincent Tolon<sup>1</sup>, Alexander Wezel<sup>1</sup> <sup>1</sup>SARA-Lyon</p>
10.45-11.00	<p><b>T0234 Landscape effects on crop pest biocontrol are modulated by local pesticide use.</b></p> <p>Sandrine Petit<sup>1</sup> <sup>1</sup>INRA</p>
11.00-11.15	<p><b>T0936 Landscape agronomy: bibliometric insights on key issues and background concepts of a conceptual framework</b></p> <p>Davide Rizzo<sup>1</sup>, Elisa Marraccini<sup>2</sup>, Marc Benoît<sup>3</sup>, Claudine Thenail<sup>4</sup>, Sylvie Lardon<sup>5</sup> <sup>1</sup>Chair in Agricultural Machinery and New Technologies, UniLaSalle <sup>2</sup>InTerACT UP 2018.C102, UniLaSalle <sup>3</sup>INRA <sup>4</sup>INRA, UMR 0980 BAGAP "Biodiversité AGroécologie et Aménagement du Paysage" <sup>5</sup>INRA et AgroParisTech, UMR Territoires</p>
11:15-11.30	<p><b>T0106 Could farming practices subsidized by the European agricultural policy lead to a better nature condition and fight against climate change?</b></p> <p>Marta Perez-Soba<sup>1</sup> <sup>1</sup>Joint Research Centre, European Commission</p>
11.30-11.45	<p><b>T0601 Multi-dimensional Assessment of Agrarian Cultural Landscape Values: A Case Study of Duman Agricultural Landscape of Barangay Sta. Monica</b></p> <p>Joshua Cunanan<sup>1</sup>, Nappy Navarra<sup>2</sup> <sup>1</sup>De la Salle - College of St. Benilde, School of Design and Arts <sup>2</sup>University of the Philippines - Diliman</p>
11.45-12.00	<p><b>T0335 Costs-effectiveness of wildlife-friendly practices for multiple taxa: a landscape scale approach</b></p> <p>Hila Segre<sup>1</sup>, Yohay Carmel<sup>1</sup>, Assaf Shwartz<sup>1</sup> <sup>1</sup>Technion - Israel Institute of Technology</p>
12.00-12.05	<p><b>T0834 Contrasting classification models in coastal landscapes: studying Golfo de Arauco, at south-central Chile</b></p> <p>Vannia Ruiz<sup>1</sup>, Juan Munizaga<sup>2</sup>, Fernando Ureta<sup>2</sup> <sup>1</sup>Pontificia Universidad Católica de Chile <sup>2</sup>Universidad de Concepción</p>

Thursday, 4 <sup>th</sup> July 2019	
10.30-12.30	<p align="center"><b>Symposium 42 – Landscape monitoring: best practices and new developments for an integrated assessment of landscape change</b></p>

	<p align="center"><b>Room: U6-03</b></p> <p align="center">Symposium organizers: Flurina Wartmann<sup>1</sup>, Felix Kienast<sup>1</sup>, Marcel Hunziker<sup>1</sup>  <sup>1</sup><i>Federal Research Institute for Forest, Snow and Landscape (WSL)</i></p>
<b>10.30-10.45</b>	<b>T0075 - A review of integrated approaches for landscape monitoring</b> Felix Kienast, <i>Swiss Federal Research Institute for Forest, Snow and Landscape</i>
<b>10.45-11.00</b>	<b>T0231 An integrated monitoring of landscape perception</b> Flurina M. Wartmann <sup>1</sup> , Marcel Hunziker <sup>1</sup> , Felix Kienast <sup>1</sup> <sup>1</sup> <i>Swiss Federal Research Institute for Forest, Snow and Landscape (WSL)</i>
<b>11.00-11.15</b>	<b>T0765 Monitoring mountain summer farming landscapes in Norway through an area frame survey</b> Sebastian Eiter <sup>1</sup> , Geir-Harald Strand <sup>1</sup> , Wendy Fjellstad <sup>1</sup> , Kari Stensgaard <sup>1</sup> <sup>1</sup> <i>NIBIO - Norwegian Institute of Bioeconomy Research</i>
<b>11.15-11.30</b>	<b>T0444 Monitoring the visual landscape quality based on farm census data</b> Beatrice Schüpbach <sup>1</sup> , Andreas Roesch <sup>1</sup> , Thomas Walter <sup>1</sup> , Erich Szerencsits <sup>1</sup> <sup>1</sup> <i>Agroscope</i>
<b>11.30-11.45</b>	<b>T0817 Integrating wilderness qualities into landscape monitoring</b> Brenda Maria Zoderer <sup>1</sup> , Erich Tasser <sup>2</sup> , Steve Carver <sup>3</sup> , Ulrike Tappeiner <sup>1</sup> <sup>1</sup> <i>Department of Ecology, University of Innsbruck</i> <sup>2</sup> <i>Institute for Alpine Environment, Eurac Research</i> <sup>3</sup> <i>School of Geography, University of Leeds</i>
<b>11.45-12.00</b>	<b>P_0227 Survey on community livelihoods and landscape change along the Nzhelele and Levubu river catchments in the Limpopo Province, South Africa</b> Walter Musakwa <sup>1</sup> , Shuai Wang <sup>2</sup> , Fangli Wei <sup>2</sup> , Lerato Malapane <sup>3</sup> , Eric Mashimbye <sup>4</sup> , Sydney Mavengahama <sup>5</sup> <sup>1</sup> <i>Department of Town and Regional Planning, University of Johannesburg</i> <sup>2</sup> <i>Beijing Normal University</i> <sup>3</sup> <i>University of Johannesburg</i> <sup>4</sup> <i>Stellenbosch University</i> <sup>5</sup> <i>North West University</i>
<b>12.00-12.15</b>	<b>T0884 Assessing the "Landscape quality" and the Cultural Ecosystem Services through quantitative and qualitative indicators: an overview of the literature</b> Lionella Scazzosi <sup>1</sup> , Raffaella Laviscio <sup>1</sup> , Paola Branduini <sup>1</sup> , Andrea L'Erario <sup>2</sup> <sup>1</sup> <i>PaRID – Research and International Documentation for Landscape, Dept. of Architecture, Built environment and Construction engineering (DABC), Politecnico di Milano, Italy</i> <sup>2</sup> <i>PhD student in Preservation of the Architectural Heritage, Dept. of Architecture and Urban Studies (DASU), Politecnico di Milano, Italy</i>
<b>12.15-12.30</b>	<b>T0219 Landscape monitoring and performance evaluation to establish learning landscapes</b> Enrico Celio <sup>1</sup> , Sven-Erik Rabe <sup>1</sup> <sup>1</sup> <i>ETH Zürich - IRL - PLUS</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.45</b>	<p align="center"><b>Symposium 59 - Understanding the capacity of Landscape connectivity and ecosystem integrity to supply multiple ecosystem services: insights into sustainable landscapes</b></p> <p align="center"><b>Room: Aula Martini (U6-04)</b></p> <p align="center">Session Organisers: Luque Sandra<sup>1</sup>, Le Louarn Marine<sup>1</sup>, van Dijk Jiska<sup>2</sup>  <sup>1</sup><i>IRSTEA National Research Institute of Science and Technology for Environment and Agriculture</i>  <sup>2</sup><i>NINA</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 59</b>
<b>10.45-11.00</b>	<b>T0903 A Landscape level approach of green infrastructure multifunctionality: from species conservation to ecosystem services producing areas</b> Philip Roche <sup>1,2</sup> , C. Sylvie Campagne <sup>1,3</sup> , Stien Heremans <sup>4</sup> , Geert De Blust <sup>4</sup> , Jiska Van Dijk <sup>5</sup> <sup>1</sup> <i>IRSTEA</i> <sup>2</sup> <i>UMR RECOVER</i> <sup>3</sup> <i>Institute of Physical Geography &amp; Landscape Ecology; Leibniz Universität Hannover</i> <sup>4</sup> <i>INBO</i> <sup>5</sup> <i>NINA</i>



11.00-11.15	<b>T0245 Combining connectivity and habitat suitability models as decision-making tools: a case study in the south of France</b> Marine Le Louarn <sup>1</sup> , Maxime Lenormand <sup>1</sup> , Sandra Luque <sup>1</sup> <sup>1</sup> IRSTEA
11.15-11.30	<b>T0362 How forest edges contribute to landscape connectivity?</b> Deconchat Marc <sup>1</sup> , Barbaro Luc <sup>1</sup> , Brin Antoine <sup>2</sup> , Calatayud François <sup>1</sup> <sup>1</sup> INRA/DYNAFOR <sup>2</sup> EIPurpan/DYNAFOR
11.30-11.45	<b>T0247 Quantifying simultaneously habitat loss and fragmentation for mobile species in continuous landscapes through Habitat Functionality - applied to Norwegian reindeer</b> Bram Van Moorter <sup>1</sup> , Ilkka Kivimäki <sup>2</sup> , Manuela Panzacchi <sup>1</sup> , Santiago Saura <sup>3</sup> , Marco Saerens <sup>4</sup> <sup>1</sup> Norwegian Institute for Nature Research <sup>2</sup> Aalto University <sup>3</sup> Joint Research Centre, European Commission <sup>4</sup> Université catholique de Louvain
11.45-12.00	<b>T0177 Planning tools for landscape connectivity and threatened species conservation in a forestry context</b> Dydee Mann <sup>1</sup> <sup>1</sup> Forest Practices Authority
12.00-12.15	<b>T0324 Global trends in protected area connectivity from 2010 to 2018</b> Santiago Saura <sup>1</sup> , Bastian Bertzky <sup>1</sup> , Lucy Bastin <sup>1</sup> , Luca Battistella <sup>1</sup> , Andrea Mandrici <sup>1</sup> , Gregoire Dubois <sup>1</sup> <sup>1</sup> European Commission, Joint Research Centre
12.15-12.20	<b>T0385 A trait-based approach to unravel the effects of habitat connectivity and habitat amount on weeds</b> Léa Uroy <sup>1,2</sup> , Cendrine Mony <sup>3</sup> , Aude Ernoult <sup>1</sup> , Audrey Alignier <sup>2</sup> <sup>1</sup> University of Rennes, UMR CNRS 6553 Ecobio, 35000, Rennes, France <sup>2</sup> INRA of Rennes, UMR INRA 0980 Bagap, 35000, Rennes, France.
12.20-12.25	<b>T0752 Modelling the connectivity of the coastal social-ecological networks subject to oceanic hazards</b> Antoine Collin <sup>1</sup> , Dorothée James <sup>1</sup> , Joachim Claudet <sup>1</sup> <sup>1</sup> EPHE, PSL Université Paris, CNRS LETG
12.25-12.30	<b>T0271 Effects of wooded networks on biological control: synergy or antagonism?</b> Florence Hecq <sup>1</sup> , Charlotte Francis <sup>1</sup> , Thierry Hance <sup>2</sup> <sup>1</sup> Earth and Life Institute, Université Catholique de Louvain <sup>2</sup> Université catholique de Louvain
12.30-12.35	<b>P0106 Wetlands connectivity matters for maintenance of amphibian populations in different wetland network configurations</b> Patrizia Zamberletti <sup>1,2</sup> , Marta Zaffaroni <sup>1,3</sup> , Francesco Accatino <sup>1,4</sup> , Irena Creed <sup>5</sup> , Carlo De Michele <sup>6</sup> <sup>1</sup> INRA <sup>2</sup> BioSP <sup>3</sup> PSH <sup>4</sup> UMR SADAPT <sup>5</sup> School of Environment and Sustainability, University of Saskatchewan <sup>6</sup> Department of Civil and Environmental Engineering, Politecnico di Milano
12.35-12.40	<b>T0464 Effects of network conductivity of linear landscape elements on arthropod and plant communities in agricultural landscapes modelled with circuit theory</b> Jan Thiele <sup>1</sup> , Jens Schirmel <sup>2</sup> , Sascha Buchholz <sup>3</sup> <sup>1</sup> Thünen Institute of Biodiversity <sup>2</sup> University of Koblenz-Landau, Institute for Environmental Science <sup>3</sup> Technische Universität Berlin, Department of Ecology
12.40-12.45	<b>T0373 Study on ecological route selection of subtropical mountain expressway in China.</b> Zhaoming Wang <sup>1</sup> , Dong Zhang <sup>1</sup> , Shegang Shao <sup>1</sup> , Minmin Yuan <sup>1</sup> , Dong Ni <sup>1</sup> , Chao Wang <sup>2</sup> <sup>1</sup> Research Institute of Highway, Ministry of Transport, China. <sup>2</sup> Guangdong traffic construction co. LTD

Thursday, 4 <sup>th</sup> July 2019	
10.30-12.30	<p align="center"><b>Symposium 18 Temporal dynamics in landscape science: New applications and opportunities in social-ecological systems</b></p> <p align="center"><b>Room: U6-05</b></p> <p align="center">Session Organisers: Alexander Killian<sup>1</sup>, Mario Torralba<sup>2</sup>, Patrick Behrer<sup>3</sup>, Jessica Gilbert<sup>4</sup>, Adam Dixon<sup>5</sup> <sup>1</sup>The National Socio-Environmental Synthesis Center <sup>2</sup>University of Kassel <sup>3</sup>Harvard University <sup>4</sup>Texas A&amp;M University <sup>5</sup>University of Maryland Baltimore County</p>
10.30-10.45	<b>Introduction to Symposium 18</b>



<b>10.45-11.00</b>	<b>T0049 Designing spatiotemporal multifunctional landscapes to support dynamic wildlife conservation</b> Alexander Killion <sup>1</sup> , Adam Dixon <sup>2</sup> , Jessica Gilbert <sup>3</sup> , Mario Torralba <sup>4</sup> , Patrick Greiner <sup>5</sup> , Patrick Behrer <sup>6</sup> <sup>1</sup> Boise State University <sup>2</sup> University of Maryland Baltimore County <sup>3</sup> Texas A&M University <sup>4</sup> University of Kassel <sup>5</sup> Vanderbilt University <sup>6</sup> Harvard University
<b>11.00-11.15</b>	<b>T0010 Examining socio-ecological connectivity through urban garden networks across varying cityscapes</b> Monika Egerer <sup>1</sup> , Nakisha Fouch <sup>2</sup> , Elsa Anderson <sup>3</sup> , Mysha Clarke <sup>4</sup> , Melissa Davidson <sup>5</sup> <sup>1</sup> Environmental Studies, University of California, Santa Cruz <sup>2</sup> Dept. Wildlife and Fisheries Biology, Clemson University <sup>3</sup> Dept. of Biological Sciences, University of Illinois at Chicago <sup>4</sup> Geography and the Environment, Villanova University <sup>5</sup> School of Sustainability, Arizona State University
<b>11.15-11.30</b>	<b>T0206 Spatiotemporal overlap of pesticide use and species richness in California, USA</b> Ashley Larsen <sup>1</sup> , Andrew MacDonald <sup>2</sup> <sup>1</sup> Bren School of Environmental Science & Management, UC Santa Barbara <sup>2</sup> Earth Research Institute, UC Santa Barbara
<b>11.30-11.45</b>	<b>T0669 Socio-ecological systems: Identification and spatial mapping in the Central Himalayas</b> Praveen Kumar <sup>1</sup> , P.K. Joshi <sup>1</sup> , Christine Fürst <sup>2</sup> <sup>1</sup> School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India <sup>2</sup> Institut für Geowissenschaften und Geographie, Martin Luther Universität Halle, Halle, Germany
<b>11.45-12.00</b>	<b>T0862 Land systems on the move: A new spatiotemporal data-driven approach on land system modelling applied to the Mediterranean basin.</b> Johanna Fusco <sup>1</sup> <sup>1</sup> Institut Méditerranéen de Biodiversité et d'Ecologie (IMBE) / Mediterranean Institute for Biodiversity and Ecology (Aix-en-Provence, FR)
<b>12.00-12.15</b>	<b>T_0974 The Connected Nature of Landscape Transformation: A case study of Asian Carp</b> Jordan Besek <sup>1</sup> <sup>1</sup> SUNY at Buffalo
<b>12.15-12.30</b>	<b>T0641 The tragedy of the parks: lessons for protecting nature in post-conflict Colombia</b> Nicola Clerici <sup>1</sup> , Dolors Armenteras <sup>2</sup> , Peter Kareiva <sup>3</sup> , Rodrigo Botero <sup>4</sup> , Juan Pablo Ramírez Delgado <sup>5</sup> , Duan Biggs <sup>6</sup> <sup>1</sup> Biology Program, Faculty of Natural Sciences and Mathematics Universidad del Rosario <sup>2</sup> Ecología del Paisaje y Modelación de Ecosistemas-ECOLMOD, Departamento de Biología, Universidad Nacional de Colombia <sup>3</sup> Institute of the Environment and Sustainability, University of California <sup>4</sup> Fundación para la Conservación y el Desarrollo Sostenible <sup>5</sup> Natural Resource and Environmental Studies Institute, University of Northern British Columbia <sup>6</sup> Environmental Futures Research Institute. Griffith University

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.30</b>	<p align="center"><b>Symposium 74 Biocultural Landscapes During the Anthropocene</b>  <b>Room: U6-06</b>  Session Organisers: Inocencio Jr. Buot<sup>1</sup>, Regan Leonardus Kaswanto<sup>2</sup>  <sup>1</sup>University of the Philippines Los Baños <sup>2</sup>Bogor Agricultural University</p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 18</b>
<b>10.45-11.00</b>	<b>T0123 Water and Nutrient Dynamics in Muyong Forest and Rice Terraces (muyong-payoh system) in Banaue, Philippines</b> Damasa Macandog <sup>1</sup> , Milben Bragais <sup>1</sup> , Jennifer Edrial <sup>1</sup> , Marc Brian Manlubatan <sup>1</sup> , Marc Anthony Rabena <sup>1</sup> , Ma. Bernice Carmela Liquigan <sup>1</sup> <sup>1</sup> University of the Philippines Los Banos
<b>11.00-11.15</b>	<b>T0036 Identification of the dynamics of change in the historical- ecological characteristics of the rural territory in the Northern Apennines: Val Tidone and Val di Nizza in the Oltrepò Pavese</b> Anita Calegari
<b>11.15-11.30</b>	<b>T0309 Biocultural landscape of Carpinus tschonoskii var. torta, a national natural monument in Japan</b> Nobukazu Nakagoshi <sup>1</sup> <sup>1</sup> Hiroshima University
<b>11.30-11.45</b>	<b>T0314 Pattern of vegetation structure along elevational gradients in a tropical biocultural landscape</b>

	Inocencio E Buot Jr <sup>1,2</sup> <sup>1</sup> <i>University of the Philippines Los Banos</i> <sup>2</sup> <i>University of the Philippines Open University</i>
<b>11.45-12.00</b>	<b>T0015 Fragmentation drivers in Polillo Islands key biodiversity area, Polillo Quezon, Philippines</b> Leajim Villanueva <sup>1,2</sup> , Carmelita Rebanco <sup>1,2</sup> , Dante Gideon Vergara <sup>1,2</sup> , Eleno Peralta <sup>1,3</sup> <sup>1</sup> <i>UPLB</i> <sup>2</sup> <i>SESAM</i> <sup>3</sup> <i>CNFR</i>
<b>12.00-12.15</b>	<b>T0305 An Assessment of a Biocultural Landscape using Community Wellbeing Approaches</b> Merites Merida Buot <sup>1</sup> , Virginia R. Cardenas, Ma. Zenia Dulce, Rona Montecalbo-Ignacio, Bertito M. Laganson, Rumela C. Bullecer <sup>1</sup> <i>Department of Human Kinetics, College of Arts and Sciences, University of the Philippines Los Banos</i>
<b>12.15-12.30</b>	<b>T0736 Vegetation stand structure analysis using quadrat method and auto-cad in a tropical forest ecosystem in Banaue, Ifugao, Northern Luzon, Philippines</b> Mark Anthony Rabena <sup>1,2</sup> , Damasa Macandog <sup>1</sup> <sup>1</sup> <i>Institute of Biological Sciences, College of Arts and Sciences, University of the Philippines Los Banos</i> <sup>2</sup> <i>Faculty of Management and Development Studies, University of the Philippines Open University</i>

### Thursday, 4<sup>th</sup> July 2019

<b>10.30-12.30</b>	<b>Symposium 49 Challenges for subterranean landscape conservation in the world's karst regions</b> <b>Room: U6-07</b> Session Organisers Claudia Canedoli <sup>1</sup> , Chris Groves <sup>2</sup> , Emilio Padoa-Schioppa <sup>1</sup> <sup>1</sup> <i>Università Milano Bicocca</i> <sup>2</sup> <i>Crawford Hydrology Laboratory</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 49</b>
<b>11.00-11.15</b>	<b>T0111 Diversity of aquatic cave animals and their conservation status in China</b> Yahui Zhao <sup>1</sup> <sup>1</sup> <i>Institute of Zoology, Chinese Academy of Sciences</i>
<b>11.15-11.30</b>	<b>T0525 Protecting the World's Longest Cave: Should We Think About Caves or Karst Landscapes?</b> Chris Groves <sup>1</sup> , Rickard S. Toomey <sup>2</sup> , Rick Olson <sup>2</sup> , Kurt Helf <sup>2</sup> , Barclay Trimble <sup>2</sup> <sup>1</sup> <i>Crawford Hydrology Laboratory, Department of Geography and Geology, Western Kentucky University</i> <sup>2</sup> <i>Mammoth Cave National Park</i>
<b>11.30-11.45</b>	<b>T0695 Vulnerable invertebrates in shallow subterranean habitats of Washington, D.C.</b> Jenna Keany <sup>1</sup> , David Culver <sup>1</sup> , Mikaila Milton <sup>2</sup> <sup>1</sup> <i>American University Department of Environmental Science</i> <sup>2</sup> <i>National Park Service National Capital Parks East</i>
<b>11.45-12.00</b>	<b>T0849 Landscape conservation of karst regions</b> Claudia Canedoli <sup>1</sup> , Emilio Padoa-Schioppa <sup>1</sup> <sup>1</sup> <i>Department of earth and environmental sciences University of Milano-Bicocca</i>

### Thursday, 4<sup>th</sup> July 2019

<b>10.30-12.30</b>	<b>Symposium 40 Challenge and opportunity in the creation of bee landscapes</b> <b>Room: U6-08</b> Session Organisers: Sabine van Rooij <sup>1</sup> , Eveliene Steingrover <sup>1</sup> , Arjen de Groot <sup>1</sup> , Lawrence Jones-Walters <sup>1</sup> <sup>1</sup> <i>Wageningen Environmental Research</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 40</b>
<b>10.45-11.00</b>	<b>T0811 'Bee landscapes' as an effective strategy to counter the decline of pollinating insects; an example in the Netherlands</b> Steingrover Eveliene <sup>1</sup> , van Rooij Sabine <sup>1</sup> , Pleijte Marcel <sup>1</sup> <sup>1</sup> <i>Wageningen Environmental Research</i>
<b>11.00-11.15</b>	<b>T0083 From potential to practical: Conserving pollinators in urban public greenspace</b>

	Mary Gardiner <sup>1</sup> , Katherin Turo <sup>1,1</sup> <i>The Ohio State University</i>
<b>11.15-11.30</b>	<b>T0863 How to use Citizen Science to promote action on wild pollinators</b> Nieke Knoben <sup>1,1</sup> <i>Naturalis Biodiversity Center</i>
<b>11.30-11.45</b>	<b>T0854 Restoring and reconnecting (bumble)bee habitat in an agricultural landscape in the Netherlands</b> G. Arjen de Groot <sup>1</sup> , David Kleijn <sup>2,1</sup> <i>Wageningen Environmental Research</i> <sup>2</sup> <i>Plant Ecology and Nature Conservation, Wageningen University</i>
<b>11.45-12.00</b>	<b>T_8801 Using floral strips in sunflower-dominated landscapes to promote wild bees and pollination services</b> José A. González <sup>1</sup> , Violeta Hevia <sup>1</sup> , Jorge Ortega <sup>1</sup> , Libertad Chapinal <sup>1</sup> , Aura Pérez-Morín <sup>1,1</sup> <i>Social-ecological Systems Lab, Universidad Autónoma de Madrid</i>
<b>12.00-12.15</b>	<b>T0429 Effect of landscape structure on pollination service by the native honeybee (Apis cerana) to hyuganatsu (Citrus tamurana) in Aya UNESCO Biosphere Reserve</b> Yasushi Mitsuda <sup>1,1</sup> <i>University of Miyazaki</i>
<b>12.15-12.30</b>	<b>T0808 How to optimise the creation of beescapes through a EU wide mapping approach</b> Carlo Rega <sup>1</sup> , Maria Luisa Paracchini <sup>1,1</sup> <i>European Commission - Joint Research Centre</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.30</b>	<p align="center"><b>Symposium 26 Application of novel remote sensing data and techniques to habitat and biological assessments</b></p> <p align="center"><b>Room: U6-09</b></p> <p align="center">Session Organisers: Bronwyn Price<sup>1</sup>, Christian Ginzler<sup>1</sup>, Janine Bolliger<sup>1</sup> <sup>1</sup><i>Swiss Federal Research Institute WSL</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 26</b>
<b>10.45-11.00</b>	<b>T_1010 Rapid Assessment Study of Typhoon Disaster in the Urban Agglomerations Along Western Taiwan Straits Region Based on Remote Sensing Data of Night Lighting</b> Hao-wei Wang <sup>1</sup> , Chun-yuan Zhao <sup>1</sup> , Wan-gui Zhou <sup>1</sup> , Ye-ning Wang <sup>1,1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i>
<b>11.00-11.15</b>	<b>T0690 Retrieving early indicators of high impact of an invasive ecosystem engineer from remote sensing data</b> André Große-Stoltenberg <sup>1</sup> , Christine Hellmann <sup>2</sup> , Jan Thiele <sup>3</sup> , Christiane Werner <sup>2</sup> , Jens Oldeland <sup>4</sup> <sup>1</sup> <i>Landscape Ecology and Landscape Planning, Justus-Liebig-Universität Gießen</i> <sup>2</sup> <i>Ecosystem Physiology, Albert-Ludwigs-Universität Freiburg</i> <sup>3</sup> <i>Thünen-Institut für Biodiversität</i> <sup>4</sup> <i>Biodiversity, Ecology and Evolution of Plants, Biocentre Klein Flottbek and Botanical Garden, Universität Hamburg</i>
<b>11.15-11.30</b>	<b>T0275 Mapping compositional diversity in mediterranean sparse forests using sentinel-2 imagery</b> Semiha Demirbas Caglayan <sup>1</sup> , Uğur Murat Leloğlu <sup>2</sup> , Can Bilgin <sup>2</sup> , Achilleas Psomas <sup>1</sup> , Lars Waser <sup>1</sup> , Christian Ginzler <sup>1,1</sup> <i>Swiss Federal Research Institute WSL</i> <sup>2</sup> <i>Middle East Technical University</i>
<b>11.30-11.45</b>	<b>T_8857 Surrogate Method for Biodiversity Assessment and Conservation Prioritization in the Indian Himalayan Region</b> Ramesh Krishnamurthy <sup>1</sup> , Sujata Upgupta <sup>1</sup> , Arunkumar Ananthakumar <sup>1</sup> , Tanvi Gaur <sup>1,1</sup> <i>Wildlife Institute of India</i>
<b>11.45-12.00</b>	<b>T0713 Landscape analysis of light pollution in Korean national parks using VIIRS DNB nighttime images</b> Chan Yong Sung <sup>1,1</sup> <i>Hanbat National University</i>
<b>12.00-12.15</b>	<b>T0878 Tropical reservoirs as hourglasses of dam-related ecosystem changes</b> Fritz Kleinschroth <sup>1</sup> , Scott Winton <sup>1</sup> , Elisa Calamita <sup>1</sup> , Jaboury Ghazoul <sup>1,1</sup> <i>ETH Zurich</i>
<b>12.15-12.20</b>	<b>T0681 Automated mapping and modelling of habitat types at the national extent for Switzerland – a first prototype</b> Bronwyn Price <sup>1</sup> , Christian Ginzler <sup>1,1</sup> <i>Swiss Federal Research Institute WSL</i>

<b>12.20-12.25</b>	<b>T0087 Harnessing the use of declassified historical satellite images in land use change research – case study from Latvia-Russia border area</b> Zigmars Rendenieks <sup>1</sup> , Mihai Daniel Nita <sup>2</sup> , Volker Christian Radeloff <sup>3</sup> <sup>1</sup> <i>University of Latvia</i> <sup>2</sup> <i>Transilvania University of Brasov</i> <sup>3</sup> <i>University of Wisconsin Madison</i>
<b>12.24-12.40</b>	<b>T0874 - Modeling Wetland Dynamics and Waterbird Habitat for Poyang Lake, China and Lake Superior, USA, Janet Silbernagel</b>
<b>12.40-12.45</b>	<b>Final discussion</b>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.45</b>	<p align="center"><b>Symposium 24 Multiple roles for landscape ecology in future farming systems</b></p> <p align="center"><b>Room: U6-10</b></p> <p align="center">Session Organisers: Diane Pearson<sup>1</sup>, Richard Aspinall<sup>2</sup>, Julian Gorman<sup>3</sup></p> <p align="center"><sup>1</sup><i>Professor in Environmental Management, School of Agriculture and Environment, Massey University</i> <sup>2</sup><i>Independent scholar and honorary research fellow, James Hutton Institute</i> <sup>3</sup><i>Research Fellow in Natural-resources Based Livelihoods, Research Institute for the Environment and Livelihoods, Charles Darwin University</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 24</b>
<b>10.45-11.00</b>	<b>T0168 What can landscape ecology contribute towards the challenges facing agriculture and the need for agricultural change in New Zealand?</b> Diane Pearson <sup>1</sup> <sup>1</sup> <i>School of Agriculture and Environment, Massey University</i>
<b>11.00-11.15</b>	<b>T0258 Beyond Margalef: Testing the links of landscape structure and energy and information flows driven by farming with biodiversity</b> Joan Marull <sup>1</sup> <sup>1</sup> <i>Metropolitan Laboratory of Ecology and Territory of Barcelona. Autonomous University of Barcelona</i>
<b>11.15-11.30</b>	<b>T0295 Using landscape ecology to help take a more holistic approach to agribusiness: The Kakadu Plum industry in northern Australia as a case study.</b> Julian Gorman <sup>1</sup> , Diane Pearson <sup>2</sup> <sup>1</sup> <i>Charles Darwin University</i> , <sup>2</sup> <i>Massey University</i>
<b>11.30-11.45</b>	<b>T0439 Developing a comprehensive knowledge system to support the ecological optimization of agriculture in Switzerland</b> Erich Szerencsits <sup>1</sup> , Attilio Benini <sup>1</sup> <sup>1</sup> <i>Agroscope</i>
<b>11.45-12.00</b>	<b>T0454 Interplay of agroecology models in the study of landscape ecosystem services trade-offs</b> Floriane Colas <sup>1</sup> , Jeff Norville <sup>1</sup> , Simon Labarthe <sup>1</sup> , Vincent Martinet <sup>1</sup> , Francesco Accatino <sup>1</sup> <sup>1</sup> <i>INRA</i>
<b>12.00-12.15</b>	<b>T0583 Accounting for environment in sustainability assessments: measuring and modelling bioeconomic impacts across agricultural landscapes</b> Richard Aspinall <sup>1</sup> , Michele Staiano <sup>2</sup> <sup>1</sup> <i>Independent scholar, c/o James Hutton Institute</i> <sup>2</sup> <i>Statistics Technology and Analysis of Data, Department of Industrial Engineering, University of Naples Federico II</i>
<b>12.15-12.30</b>	<b>T0785 Estimating effect of farming practices on sediments and nutrients loading using SWAT model</b> Petr Krpec <sup>1</sup> , <sup>1</sup> <i>University of Ostrava</i>
<b>12.30-12.45</b>	<b>T0842 Sustainable soil management in arable landscapes and invertebrate prey availability to farmland birds</b> Sofia Biffi <sup>1</sup> , Les Firbank <sup>1</sup> <sup>1</sup> <i>University of Leeds</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.30</b>	<p align="center"><b>Symposium 46 Landscape trajectories during the long Anthropocene: dialogues between ecology and archaeology</b></p>

	<p align="center"><b>Room: U6-12</b></p> <p align="center">Session Organisers: Giuseppe Bazan<sup>1</sup>, Angelo Castrorao Barba<sup>1</sup></p> <p align="center"><sup>1</sup><i>Università di Palermo</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 46</b>
<b>10.45-11.00</b>	<p><b>T0011 Historical Ecology: a Robust Bridge between Archaeology and Ecology</b></p> <p>Carole Crumley<sup>1</sup><sup>1</sup><i>Swedish Agricultural University, Uppsala</i></p>
<b>11.00-11.15</b>	<p><b>T0200 The transformations of the agricultural landscape between the 6th and the 1st millennium BC</b></p> <p>Leonor Peña-Chocarro<sup>1</sup>, Guillem Pérez-Jordà<sup>1</sup> <sup>1</sup><i>Spanish National Research Council</i></p>
<b>11.15-11.30</b>	<p><b>T_0965 Landscape trajectory reconstruction of Sele coastal plain: from the Magna Grecia settlement of Hera Argiva (Southern Italy) to present day.</b></p> <p>Carmine Guarino<sup>1</sup>, Maria Rosaria Senatore<sup>1</sup>, Giuseppe Baiamonte<sup>1</sup>, Agostino Meo<sup>1</sup><sup>1</sup><i>University of Sannio</i></p>
<b>11.30-11.45</b>	<p><b>T_9015 Using soil charcoal to explore the ecosystem history</b></p> <p>Pille Tomson<sup>1</sup>, Kalev Sepp<sup>1</sup><sup>1</sup><i>Estonian University of Life Sciences</i></p>
<b>11.45-12.00</b>	<p><b>T0405 Pines and Mines. Shaping the landscape of Sounion National Park (C. Greece) since the antiquity</b></p> <p>Dimitris Kazanis<sup>1</sup><sup>1</sup><i>Department of Ecology and Systematics, Faculty of Biology, National and Kapodistrian University of Athens</i></p>
<b>12.00-12.15</b>	<p><b>T0761 An agricultural system in a hostile environment: the Late Roman site of Umm al-Dabadib - Kharga Oasis (Egypt)</b></p> <p>Antonello Migliozi<sup>1</sup>, Giovanni Battista Chirico<sup>1</sup>, Stefano Mazzoleni<sup>1</sup>, Corinna Rossi<sup>2</sup><sup>1</sup><i>Dipartimento di Agraria - Musa-Musei delle Scienze Agrarie, Università di Napoli Federico II</i></p> <p><sup>2</sup><i>Department ABC - Politecnico di Milano</i></p>
<b>12.15-12.30</b>	<p><b>T0472 Deciphering the trajectories of historic landscapes for assisting the historic landscape characterization in Kuling Town, Lushan national park, China</b></p> <p>Diechuan Yang<sup>1</sup>, Veerle van Eetveld<sup>2</sup> Gao Chi<sup>1</sup><sup>1</sup><i>Department of Landscape Architecture, Huazhong Agricultural University</i> <sup>2</sup><i>Ghent University</i></p>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.40</b>	<p align="center"><b>Symposium 58 Urbanisation. Concepts, methods and spatially explicit indicators</b></p> <p align="center"><b>Room: U6- 13</b></p> <p align="center">Session Organisers Luis Inostroza<sup>1</sup>, Steward Pickett<sup>2</sup></p> <p align="center"><sup>1</sup><i>Ruhr-University Bochum</i> <sup>2</sup><i>Cary Institute of Ecosystem Studies</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 58</b>
<b>10.45-11.00</b>	<p><b>T0435 The advance of the Anthropocene - Monitoring global urbanization processes from space</b></p> <p>Hannes Taubenböck<sup>1</sup>, Christian Geiß<sup>1</sup>, Michael Wurm<sup>1</sup><sup>1</sup><i>Earth Observation Center (EOC), German Aerospace Center (DLR)</i></p>
<b>11.00-11.15</b>	<p><b>T0370 The higher, the cooler? Effects of building height on temperatures in residential areas of Beijing</b></p> <p>Weiqi Zhou<sup>1</sup><sup>1</sup><i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i></p>
<b>11.15-11.30</b>	<p><b>T0531 Urban landscape metrics and heat vulnerability</b></p> <p>Zoe Hamstead<sup>1</sup>, Elizabeth Cook<sup>2</sup><sup>1</sup><i>University at Buffalo</i> <sup>2</sup><i>The New School</i></p>
<b>11.30-11.45</b>	<p><b>T0146 A multi-methods approach to study health outcome effects of urban nature in the context of urban heat</b></p> <p>Nadja Kabisch<sup>1</sup><sup>1</sup><i>Humboldt-Universität zu Berlin</i></p>

<b>11.45-12.00</b>	<b>T0028 Asian urbanism and compact-green development: Concepts and framework for a spatially explicit indicator for transit-oriented Asian metropolis</b> Peilei Fan <sup>1</sup> <sup>1</sup> <i>Michigan State University</i>
<b>12.00-12.15</b>	<b>T0186 Identifying and assessing indicators for quantifying urbanization gradients</b> Marcela Suarez-Rubio <sup>1</sup> , Renata Krenn <sup>1</sup> <sup>1</sup> <i>University of Natural Resources and Life Sciences (BOKU)</i>
<b>12.15-12.20</b>	<b>T0673 Mapping and assessing urban geographical systems</b> Tatiana Kharitonova <sup>1</sup> , Ksenia Merekalova <sup>1</sup> , Gulnara Shigabaeva <sup>2</sup> , Dmitry Marinskikh <sup>2</sup> <sup>1</sup> <i>Lomonosov Moscow State University</i> <sup>2</sup> <i>Tyumen State University</i>
<b>12.20-12.25</b>	<b>T_9004 Influence of socio-economic status on biodiversity patterns in an urban landscape</b> Sarel Cilliers <sup>1</sup> , Marié J. du Toit <sup>1</sup> , Juaneé Cilliers <sup>2</sup> <sup>1</sup> <i>School of Biological Sciences, Unit for Environmental Sciences and Management, North-West University</i> <sup>2</sup> <i>School of Geo- and Spatial Sciences, Unit for Environmental Sciences and Management, North-West University</i>
<b>12.25-12.30</b>	<b>T0455 Functionality check of the ecological regional network (RERU) with respect to the fragmentation caused by urban pressure and infrastructural barriers in Umbria Region</b> Lorena Fiorini <sup>1</sup> , Alessandro Marucci <sup>1</sup> <sup>1</sup> <i>University of L'Aquila</i>
<b>12.30-12.35</b>	<b>T0425 A multivariate approach for the classification of landscape typologies in a compact city</b> Mahyar Masoudi <sup>1</sup> <sup>2</sup> , Puay Yok Tan <sup>1</sup> , Daniel Richards <sup>3</sup> <sup>1</sup> <i>National University of Singapore</i> <sup>2</sup> <i>Campus for Research Excellence and Technological Enterprise, Singapore</i> <sup>3</sup> <i>Natural Capital Singapore, Singapore-ETH Centre (SEC), ETH Zurich</i>
<b>12.35-12.40</b>	<b>T0567 Global patterns and 40-year trends in built-up areas within and around protected areas</b> Bastian Bertzky <sup>1</sup> , Begoña de la Fuente <sup>1</sup> , Giacomo Delli <sup>1</sup> , Andrea Mandrici <sup>1</sup> , Grégoire Dubois <sup>1</sup> <sup>1</sup> <i>European Commission, Joint Research Centre (JRC), Ispra, Italy</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.00</b>	<p align="center"><b>Symposium 16 Data Science in environmental research, planning and evaluation – for a scalable multi-source environmental monitoring network</b></p> <p align="center"><b>Room: U6-1A</b></p> <p align="center">Session Organisers: Lausch Angela<sup>1</sup><sup>1</sup><i>Department Computational Landscape Ecology, Helmholtz Centre for Environmental Research – UFZ</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 16</b>
<b>10.45-11.00</b>	<b>T_9012 Data Science in environmental research, planning and evaluation – for a scalable multi-source environmental monitoring network</b> Lausch Angela <sup>1</sup> <sup>1</sup> <i>Helmholtz Centre for Environmental Research - UFZ</i>
<b>11.00-11.15</b>	<b>T0225 Individual and Interactive Influences of Anthropogenic and Ecological Factors on Forest PM2.5 Concentrations at an Urban Scale</b> Yin Ren <sup>1</sup> <sup>1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i>
<b>11.15-11.30</b>	<b>T0655 Design and Implementation of an Integrated Platform for Forest Landscape Visualization</b> Chen Wang <sup>1</sup> , Alessandro Gimona <sup>1</sup> , Yang Jiang <sup>2</sup> <sup>1</sup> <i>The James Hutton Institute, Aberdeen, UK, AB15 8QH</i> <sup>2</sup> <i>School of Computing Science and Digital Media, Robert Gordon University, UK, AB10 7QB</i>
<b>11.30-11.45</b>	<b>T0812 Widening the perspective in landscape monitoring by integrating ground-based repeat photographs as a quantitative data source</b> Ulrike Bayr <sup>1</sup> , Oskar Puschmann <sup>1</sup> <sup>1</sup> <i>Norwegian Institute of Bioeconomy Research (NIBIO)</i>
<b>11.45-12.00</b>	<b>T0940 Quantum Landscape: Understanding landscape heterogeneity as a response of the spectral variability observed by remote sensing</b> Marcelo Miranda <sup>1</sup> , Cynnamon Dobb <sup>2</sup> <sup>1</sup> <i>Pontificia Universidad Católica de Chile</i> <sup>2</sup> <i>Universidad Mayor de Chile</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>
---



<b>10.30-12.30</b>	<p align="center"><b>Symposium 05 The ecological role of sound in terrestrial and aquatic landscapes: theories, methods and application of ecoacoustics</b></p> <p align="center"><b>Room: U6-1B</b></p> <p align="center">Session Organisers: Almo Farina<sup>1</sup>, Susan Fuller<sup>2</sup>, Sandra Muller<sup>3</sup>, Alice Eldridge, Gianni Pavan<sup>4</sup>, David Monacchi<sup>5</sup>; Giusi Boscaino<sup>6</sup></p> <p align="center"><sup>1</sup>Urbino University <sup>2</sup>Science &amp; Engineering Faculty, Queensland University of Technology<sup>3</sup> Geobotany, Faculty of Biology, University of Freiburg, Freiburg, Germany <sup>4</sup>Pavia University CNR <sup>5</sup>Conservatorio Rossini Pesaro, <sup>6</sup>Capo Granitola – Mazara del Vallo</p>
<b>10.30-10.35</b>	<b>Introduction to Symposium 05</b>
<b>10.35-10.40</b>	<p><b>T0104 An ecoacoustics approach to investigating the environmental complexity of landscapes</b></p> <p>Almo Farina<sup>1</sup>, Paolo Salutati<sup>2</sup> <sup>1</sup>Department of Pure and Applied Sciences, Urbino University <sup>2</sup>International Institute of Ecoacoustics</p>
<b>10.40-10.45</b>	<p><b>T0301 What does an eradication sound like? Monitoring the French Island landscape with acoustic monitoring preceding a feral cat eradication.</b></p> <p>Elizabeth Znidersic<sup>1</sup>, Michael Towsey<sup>2</sup>, Michael Johnston<sup>3</sup>, Anthony Truskinger<sup>2</sup>, Paul Roe<sup>2</sup> <sup>1</sup>Charles Sturt University <sup>2</sup>Queensland University of Technology. Ecoacoustics Group <sup>3</sup>Invasive and Insular Research and Management</p>
<b>10.45-11.00</b>	<p><b>T0286 A changing chorus for peri-urban native forests: an ecoacoustic examination of the effects of urbanisation on biodiversity</b></p> <p>Susan Fuller<sup>1</sup> <sup>1</sup>Science &amp; Engineering Faculty, Queensland University of Technology</p>
<b>11.00-11.15</b>	<p><b>T0343 Modelling the Acoustic Complexity Index to analyze the avian dawn chorus: a phenological approach to identifying differences between vocalizing bird communities in managed temperate forest plots</b></p> <p>Taylor Shaw<sup>1</sup>, Sandra Müller<sup>1</sup> <sup>1</sup>University of Freiburg</p>
<b>11.15-11.30</b>	<p><b>T0380 Acoustic diversity increases with forest patch size - a test of the theory of island biogeography in agricultural landscapes</b></p> <p>Sandra Müller<sup>1</sup>, Daniel Güntert<sup>1</sup>, Luca Thomas<sup>1</sup>, Michael Scherer-Lorenzen<sup>1</sup> <sup>1</sup>Geobotany, Faculty of Biology, University of Freiburg, Freiburg, Germany</p>
<b>11.30-11.45</b>	<p><b>T0458 Acoustic metrics to characterize underwater acoustic diversity in the Southern Ocean</b></p> <p>Irene T. Roca<sup>1</sup>, Ilse Van Opzeeland<sup>2</sup> <sup>1</sup>Helmholtz Institute for Functional Marine Biodiversity at the University of Oldenburg (HIFMB) <sup>2</sup>Alfred Wegener Institute for Polar and Marine Research (AWI)</p>
<b>11.45-12.00</b>	<p><b>T0654 Soundscapes for the assessment of diversity and functionality of marine ecosystems</b></p> <p>Nadia Pieretti<sup>1</sup>, Roberto Danovaro<sup>1</sup> <sup>1</sup>Polytechnic University of Marche, Department of Life and Environmental Sciences</p>
<b>12.00-12.15</b>	<p><b>T0656 Listening to biodiversity under extreme weather</b></p> <p>Mao-Ning Tuanmu<sup>1</sup>, Tzu-Hao Lin<sup>2</sup>, Joe Chun-Chia Huang<sup>3</sup>, Chia-Yun Lee<sup>1</sup></p> <p><sup>1</sup>Biodiversity Research Center, Academia Sinica <sup>2</sup>Department of Marine Biodiversity Research, Japan Agency for Marine-Earth Science and Technology <sup>3</sup>School of Environmental Sciences and Natural Resources, Universiti Kebangsaan Malaysia</p>
<b>12.15-12.30</b>	<p><b>T0702 Loss of a winter wonderland? Soundscapes indexes demonstrate the effects noise pollution on winter populations and communities.</b></p> <p>John Quinn<sup>1</sup>, Alexander Schindler<sup>2</sup> <sup>1</sup>Furman University <sup>2</sup>Clemson University</p>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.30</b>	<p><b>Session Landscape Metrics</b></p> <p><b>Room: U6-1C</b></p>
<b>10.30-10.45</b>	<p><b>T0069 From empirical to theoretical descriptors of landscapes complexity</b></p> <p>Jakub Nowosad<sup>1</sup>, Tomasz Stepinski<sup>2</sup> <sup>1</sup>Institute of Geoecology and Geoinformation, Adam Mickiewicz University <sup>2</sup>Space Informatics Lab, University of Cincinnati</p>



10.45-11.00	<b>T0726 Scale and scaling in space: Top 10 rules for landscape ecologists</b> Jianguo Wu <sup>1</sup> <sup>1</sup> <i>School of Life Sciences &amp; School of Sustainability, Arizona State University</i>
11.00-11.15	<b>T0920 Land cover proportion and heterogeneity can help predict the accuracy of spatial pattern metrics after downscaling</b> Peter Kedron <sup>1</sup> , Amy Frazier <sup>1</sup> <sup>1</sup> <i>Arizona State University</i>
11.15-11.30	<b>T0716 Promoting Landscape Performance Assessment: A Guideline on Performance Baseline Collection</b> Yi Luo <sup>1</sup> , Kanglin Chen <sup>1</sup> , Jinxing Wei <sup>2</sup> <sup>1</sup> <i>University of Florida</i> <sup>2</sup> <i>Texas Tech University</i>
11.30-11.45	<b>T_4444 Connecting Ecosystem Functions to Landscape Structure at Right Scales: Beyond Correlation Analysis</b> Jiquan Chen <sup>1</sup> , Geoffrey Henebry <sup>1</sup> , Raffaele Laforteza <sup>2</sup> , Roy David <sup>1</sup> , Peilei Fan <sup>1</sup> , Giovanni Sanesi <sup>2</sup> <sup>1</sup> <i>Michigan State University</i> <sup>2</sup> <i>University of Bari</i>
11.45-12.00	<b>T0388 Plot-level variability in phytosociological and structural characterization of tropical herbaceous vegetation in West Africa</b> Thiburce Bokossa <sup>1</sup> , Amadé Ouedraogo <sup>2</sup> , Sylvanus Mensah <sup>1</sup> , Romain Glèlè Kaka <sup>1</sup> <sup>1</sup> <i>Laboratoire de Biomathématiques et d'Estimations Forestières</i> <sup>2</sup> <i>Département de Biologie et Physiologie Végétales, Université de Ouagadougou</i>
12.15-12.30	<b>T0927 How do ecological equivalence metrics incorporate landscape parameters in a biodiversity offset context?</b> Clarice Borges Matos <sup>1</sup> , Martine Maron <sup>2</sup> , Jean Paul Metzger <sup>1</sup> <sup>1</sup> <i>University of São Paulo – Ecology Department – Institute of Biosciences</i> <sup>2</sup> <i>University of Queensland – Landscape Ecology &amp; Conservation Group and School of Geography, Planning and Environmental Management</i>

### Thursday, 4<sup>th</sup> July 2019

10.30-12.30	<p align="center"><b>Symposium 04 Reconstructing past landscapes to simulate future sustainable scenarios through multidisciplinary approaches</b></p> <p align="center"><b>Room: U6-1D</b></p> <p align="center">Session Organisers Rebecca Kariuki<sup>1</sup>, Colin Courtney-Mustaphi<sup>2</sup>, Claudia Capitani<sup>3</sup>  <sup>1</sup><i>School of Life Sciences and Bio-Engineering, Nelson Mandela African Institution of Science and Technology (NM-AIST), P.O BOX 447, Arusha, Tanzania</i>  <sup>2</sup><i>Department of Archaeology and Ancient History, Uppsala University, Sweden</i>  <sup>3</sup><i>York Institute for Tropical Ecosystems, Environment Department, University of York</i></p>
10.30-10.45	<b>Introduction to Symposium 04</b>
10.45-11.00	<b>T0719 From biocultural to individual rural landscapes: case studies of historical characterisation in the Northern Apennines, Italy</b> Rebekka Dossche <sup>1</sup> , Pescini Valentina <sup>1</sup> , Cevasco Roberta <sup>2</sup> , Stagno Anna <sup>1</sup> <sup>1</sup> <i>University of Genoa</i> <sup>2</sup> <i>University of Gastronomic Sciences</i>
11.00-11.15	<b>T0166 Which future for the terraced landscape? From historical analyses to future scenarios simulation for the Ivrea's Morainic Amphitheatre (Piedmont, Italy)</b> Enrico Pomatto <sup>1</sup> , Paola Gullino <sup>1</sup> , Adriana Gherzi <sup>2</sup> , Marco Devecchi <sup>1</sup> , Federica Larcher <sup>1</sup> <sup>1</sup> <i>Department of Agricultural, Forest and Food Sciences, University of Turin</i> <sup>2</sup> <i>Department of Architecture and Design, University of Genoa</i>
11.15-11.30	<b>T0229 Reconstructing rural landscape: an integrated approach to analyse future scenarios and changes. The case study of Mongiardino municipality (Italy)</b> Fabrizio Aimar <sup>1</sup> , Paola Gullino <sup>2</sup> , Marco Devecchi <sup>2</sup> <sup>1</sup> <i>Interuniversity Department of Regional and Urban Studies and Planning, Polytechnic University of Turin, 39 Viale Pier Andrea Mattioli, 10125, Turin, Italy</i> <sup>2</sup> <i>Department of Agricultural, Forest and Food Sciences, University of Turin, 2 Largo Paolo Braccini, 10095, Grugliasco (TO), Italy</i>
11.30-11.45	<b>T0251 Loss of forest integrity in NW Amazonia: division of a basin</b>

	Dolors Armenteras <sup>1</sup> , Tania Marisol Gonzalez Delgado <sup>1</sup> , Uriel Murcia <sup>2</sup> <sup>1</sup> <i>Universidad Nacional de Colombia</i> <sup>2</sup> <i>Instituti Sinchi</i>
<b>11.45-12.00</b>	<b>T_1009 Implementing landscape conservation approach in southern western ghats of India: achievements, issues and opportunities</b> Aditi Bhardwaj <sup>1</sup> , Anil Kumar Bhardwaj <sup>2</sup> , Ruchi Badola <sup>2</sup> <sup>1</sup> <i>Tata Institute of Social Sciences</i> <sup>2</sup> <i>Wildlife Institute of India</i>
<b>12.00-12.15</b>	<b>T0088 How to approach reverse transfers of minor landmarks in mining and post-mining landscapes</b> Tomáš Hájek <sup>1</sup> <sup>1</sup> <i>member of The Economic and Social Council of Most Region and member of International Association of Landscape Archaeology</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.30</b>	<b>Symposium 66</b> <b>The landscape approach - key to enhance sustainable land use in Europe and North-America as well?</b> <b>Room: U6-1E</b> Session Organisers Bas Pedrolí <sup>1</sup> , Wenche Dramstad <sup>2</sup> <sup>1</sup> <i>Wageningen University &amp; Research (WUR)</i> <sup>2</sup> <i>Norwegian Institute of Bioeconomy Research (NIBIO)</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 66</b>
<b>10.45-11.00</b>	<b>T0402 Moving from rhetoric to reality: Operationalising the landscape approach in practice</b> Terence Sunderland <sup>1</sup> , James Reed <sup>2</sup> <sup>1</sup> <i>University of British Columbia &amp; Centre for International Forestry Research</i> <sup>2</sup> <i>Centre for International Forestry Research</i>
<b>11.00-11.15</b>	<b>T_8922 Multiple aims - one landscape</b> Wenche E. Dramstad <sup>1</sup> , Svein Olav Krøgli <sup>1</sup> , Misganu Debella-Gilo <sup>1</sup> <sup>1</sup> <i>Norwegian Institute of Bioeconomy Research (NIBIO)</i>
<b>11.15-11.30</b>	<b>T0589 40 years of environmental activism in the province of Girona, Catalonia – from case advocacy to regional planning, a story of success.</b> Sergi Nuss <sup>1</sup> , Mita Castañer Vivas <sup>1</sup> , Joan Vicente Rufi <sup>1</sup> , Josep Vila Subirós <sup>1</sup> , Dani Boix Massafret <sup>2</sup> , Laura Llorens Guasch <sup>2</sup> <sup>1</sup> <i>Geography Department - University of Girona</i> <sup>2</sup> <i>Environmental Sciences Department - University of Girona</i>
<b>11.30-11.45</b>	<b>T0739 Wrapping it up? How does landscape approach work in marginal areas?</b> Hannes Palang <sup>1</sup> , Anu Printsman <sup>1</sup> , Raili Nugin <sup>1</sup> , Kadri Kasemets <sup>1</sup> , Tarmo Pikner <sup>1</sup> , Tauri Tuvikene <sup>1</sup> <sup>1</sup> <i>Center for Landscape and Culture, Tallinn University</i>
<b>11.45-12.00</b>	<b>T0403 Engaging multiple stakeholders in landscape approaches that reconcile climate, conservation and development objectives</b> James Reed <sup>1</sup> , Terry Sunderland <sup>2</sup> <sup>1</sup> <i>Center for International Forestry Research</i> <sup>2</sup> <i>University of British Columbia</i>
<b>12.00-12.15</b>	<b>T0779 From integrated landscape approach to new European commons - about stakeholders, participatory processes and social learning</b> Theo van der Sluis <sup>1</sup> , Bas Pedrolí <sup>2</sup> <sup>1</sup> <i>Wageningen Environmental Research</i>
<b>12.15-12.30</b>	<b>T0130 Landscape approaches for implementing green infrastructure in local planning practice: a review</b> Martina van Lierop <sup>1</sup> , Stephan Pauleit <sup>1</sup> <sup>1</sup> <i>Technical University of Munich, School of Life Sciences Weihenstephan, Strategic Landscape Planning and Management</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>10.30-12.45</b>	<b>Session Urban Planning</b> <b>Room: U6-1F</b>

10.30-10.45	<b>T0452 Evaluating environmental and ecological landscape characteristics relevant to urban resilience across gradients of land-sharing-sparing and urbanity</b> Matthew Dennis <sup>1</sup> , Philip James <sup>2</sup> <sup>1</sup> University of Manchester <sup>2</sup> University of Salford
10.45-11.00	<b>T0754 The combination of a Green and Open Space Factor with a microclimate simulation model as a steering tool to support green and climate-sensitive urban planning</b> Florian Reinwald <sup>1</sup> , Zita Ring <sup>1</sup> , Florian Kraus <sup>2</sup> , Bernhard Scharf <sup>2</sup> , Doris Damyanovic <sup>2</sup> <sup>1</sup> University of Natural Resources and Life Sciences, Vienna <sup>2</sup> Green4Cities GmbH
11.00-11.15	<b>T0066 Strong contribution of rapid urbanization and urban agglomeration development to regional thermal environment dynamics and evolution</b> Zhaow Yu <sup>1</sup> , Yawen Yao <sup>1</sup> , Henrik Vejre <sup>1</sup> <sup>1</sup> University of Copenhagen
11.15-11.30	<b>T0415 Conformance and Performance Implementation Evaluation of Green Space Planning Based on Landscape Ecological Effects in Beijing Metropolitan Area</b> Wei Fu <sup>1</sup> <sup>1</sup> Beijing University of Civil Engineering and Architecture
11.30-11.45	<b>T0426 Climate Justicescape: Integrating green infrastructure in Social-Ecological-Technological vulnerability assessment for identifying climate justice patterns in USA</b> Chingwen Cheng <sup>1</sup> <sup>1</sup> Arizona State University
11.45-12.00	<b>T0182 Exploring Planning Strategy of Urban Agriculture Based on Informal Sector in China</b> Luoman Zhao <sup>1,2</sup> <sup>1</sup> RWTH Aachen University <sup>2</sup> Institute of Landscape Architecture
12.00-12.15	<b>T0311 Efficiency and impacts of land use (governance) in the urban-rural nexus</b> Markus Meyer <sup>1</sup> , Andrea Früh-Müller <sup>1</sup> <sup>1</sup> Research Group on Agricultural and Regional Development Triesdorf
12.15-12.30	<b>T0349 Assessment of the management effectiveness of Dinadiawan River protected landscape in Aurora province, Philippines</b> Diomedes Racelis <sup>1</sup> , Elenita Racelis <sup>2</sup> , Mayo Grace Caoili-Amit <sup>3</sup> <sup>1</sup> IRNR, College of Forestry and Natural Resources, University of the Philippines Los Banos <sup>2</sup> TREES, College of Forestry and Natural Resources, University of the Philippines Los Banos <sup>3</sup> College of Public Affairs and Development, University of the Philippines Los Banos
12.30-12.45	<b>T0304 How landscape heterogeneity influences the ecosystem services provision of urban green spaces?</b> Yujing Xie <sup>1</sup> <sup>1</sup> Fudan University

Thursday, 4 <sup>th</sup> July 2019	
14.00-15.30	<p><b>Symposium 63 How is landscape ecology shaped by research policies?</b></p> <p><b>Room: Aula Magna</b></p> <p>Symposium organizers: Werner Rolf<sup>1</sup>, Isabel Loupa-Ramos<sup>2</sup>, Jonathan Porter<sup>3</sup>, Veerle Van Eetvelde<sup>4</sup>, Wenche Dramstad<sup>5</sup></p> <p><sup>1</sup>Technical University of Munich, <sup>2</sup>Technical University of Lisbon, <sup>3</sup>Countryside, <sup>4</sup>University of Ghent, <sup>5</sup>Norwegian Institute of Bioeconomy research - NIBIO</p>
14.00-14.15	<p><b>Key lecture: Policy to research – how do you think policy is designing research?</b></p> <p>Christos Fragakis</p>
14.15-14.30	<p><b>Key lecture: Research to policy – how do you think research is driven by policy issues?</b></p> <p>Teresa Pinto Correia</p>
14.30-15.30	<b>Question and Discussion</b>

Thursday, 4 <sup>th</sup> July 2019	
14.00-15.30	<p><b>Symposium 69 Satellite and UAV (Drone) systems for assessing and monitoring of ecological landscapes of Africa</b></p> <p><b>Room: U6-02</b></p>

	<p>Session Organisers: Moses Azong<sup>1</sup>, Henry Bulley<sup>2</sup>, Jane Bemigisha<sup>3</sup>, Yazidhi Bamutaze<sup>4</sup>, Aniko Polo-Akpisso<sup>5</sup></p> <p><sup>1</sup>Council for Scientific and Industrial Research <sup>2</sup>BMCC, City University of New York <sup>3</sup>ESIPPS International Ltd. <sup>4</sup>Makerere University, College of Agricultural and Environmental Sciences <sup>5</sup>Laboratory of Botany and Plant Ecology Faculty of Sciences, University of Lomé</p>
<b>14.00-14.15</b>	<b>Introduction to Symposium 69</b>
<b>14.15-14.30</b>	<p><b>T0620 Modelling land use/cover transitions and vegetation dynamics in the fragile Rwizi catchment, Lake Victoria Basin</b></p> <p>Yazidhi Bamutaze<sup>1</sup>, Philip Massa<sup>2</sup>, Anthony Egeru<sup>2</sup> <sup>1</sup>Department of Geography, Geo-Informatics and Climatic Sciences <sup>2</sup>Makerere University</p>
<b>14.30-14.45</b>	<p><b>T0794 Multi - season biomass estimation as an indicator of rangeland quantity using MODIS imagery</b></p> <p>Abel Ramoelo<sup>1</sup>, Moses Cho<sup>2</sup> <sup>1</sup>South African National Parks</p>
<b>14.45-15.00</b>	<p><b>T0798 Setting up unmanned aerial system (UAS) or drone services for agriculture in Uganda</b></p> <p>Jane Bemigisha<sup>1</sup>, John Begumana<sup>1</sup>, Eunice Mahoro Duli<sup>1</sup>, Kennedy Adriko<sup>1</sup>, Janice Nakamya<sup>1</sup>, Dorothy Nanyonjo<sup>1</sup> <sup>1</sup>ESIPPS International Ltd</p>
<b>15.00-15.15</b>	<p><b>T0956 Digital Image Classification with Machine Learning: Application to Unmanned Aerial Vehicles (UAVs)</b></p> <p>Abdelaziz Lawani<sup>1</sup>, Alain Abi-Kaberou<sup>2</sup> <sup>1</sup>Eastern Kentucky University, Department of Agriculture <sup>2</sup>Global Partners</p>
<b>15.15-15.20</b>	<p><b>P0036 Application of NDVI and aerial imaging for land use classification and plant disease diagnosis</b></p> <p>Yen-Cheng Chiang<sup>1</sup> <sup>1</sup>Department of Landscape Architecture, National Chiayi University</p>
<b>15.20-15.25</b>	<p><b>T0196 Geospatial analysis of vegetative drought impacts on southern African biomes (1998-2017)</b></p> <p>Farai Maxwell Marumbwa<sup>1</sup>, Moses Azong Cho<sup>2</sup>, Paxie Chirwa<sup>3</sup> <sup>1</sup>University of Zimbabwe, Department of Geography and Environmental Science, <sup>2</sup>Natural Resources and Environment Unit, The Council for Scientific and Industrial Research (CSIR), <sup>3</sup>Forest Science Postgraduate Programme, Department of Plant and Soil Sciences, University of Pretoria, Pretoria</p>
<b>15.25-15.30</b>	<p><b>T0587 Characterising Spatial and Temporal Heterogeneity of Vulnerable Miombo Woodlands of the Copperbelt Province of Zambia using Remote Sensing and Landscape Metrics</b></p> <p>Mwelwa Mwape Malunga<sup>1</sup>, Moses Cho<sup>2</sup>, Paxie Chirwa<sup>3</sup>, Adedayo Yerokun<sup>4</sup></p> <p><sup>1</sup>University of Pretoria <sup>2</sup>Natural Resources and Environment Unit. The Council for Scientific and Industrial Research (CSIR) <sup>3</sup>Postgraduate Forest Programme, University of Pretoria <sup>4</sup>Zambia Open University</p>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>14.00-15.30</b>	<p><b>Symposium 42 - Landscape monitoring: best practices and new developments for an integrated assessment of landscape change</b></p> <p><b>Room: U6-03</b></p> <p>Symposium organizers: Flurina Wartmann<sup>1</sup>, Felix Kienast<sup>1</sup>, Marcel Hunziker<sup>1</sup></p> <p><sup>1</sup>Federal Research Institute for Forest, Snow and Landscape (WSL)</p>
<b>14.00-14.15</b>	<p><b>T0781 Identification of landscape character for urban waterfront landscape based on HLC and LCA : A case of urban waterfront area, Wuhan</b></p> <p>Tongxi Gao<sup>1</sup>, Chi Gao <sup>1</sup>Huazhong Agricultural University</p>
<b>14.15-14.30</b>	<p><b>T0358 Extracting perceived landscape properties from texts for Landscape Character Assessment</b></p> <p>Olga Koblet<sup>1</sup>, Ross S. Purves<sup>1</sup> <sup>1</sup>University of Zurich</p>
<b>14.30-14.45</b>	<p><b>T0352 Exploring sensitivity of perceived elements in landscape to change through user-generated content</b></p> <p>Ross Purves<sup>1</sup>, Manuel Bär<sup>1</sup> <sup>1</sup>Department of Geography, University of Zurich</p>

<b>14.45-15.00</b>	<b>T0285 Physical and social aspects of forest preference and recreation – approaches to a comprehensive monitoring</b> Marcel Hunziker <sup>1</sup> , Christoph Fischer <sup>1</sup> , Tessa Hegetschweiler <sup>1</sup> <sup>1</sup> <i>Swiss Federal Inst. for Forest, Snow and Landscape Research, WSL</i>
<b>15.00-15.15</b>	<b>T0930 The landscape services of urban spontaneous forests in Padova (north-eastern Italy)</b> Vito Emanuele Cambria <sup>1</sup> , Thomas Campagnaro <sup>1</sup> , Marco Perfetti <sup>1</sup> , Simone Iacopino <sup>1</sup> , Tommaso Sitzia <sup>1</sup> <sup>1</sup> <i>Department Land, Environment, Agriculture and Forestry - University of Padua</i>
<b>15.15-15.30</b>	<b>T0109 Landscape Ecology Time Analysis of Wetland in Pesnica Valley, Northeastern Slovenia</b> Iztok Erjavec <sup>1</sup> <sup>1</sup> <i>NGO</i>

### Thursday, 4<sup>th</sup> July 2019

<b>14.00-15.30</b>	<b>Symposium 72 Theoretical and practical challenges for planning landscape restoration</b> <b>Room: Aula Martini (U6-04)</b> Session Organisers: Cristian Echeverria <sup>1</sup> <sup>1</sup> <i>Universidad de Concepción</i>
<b>14.00-14.15</b>	<b>Introduction to Symposium 72</b>
<b>14.15-14.30</b>	<b>T0252 Understanding ecological restoration effectiveness in southwestern China</b> Sijing Qiu <sup>1</sup> , Jian Peng <sup>1</sup> <sup>1</sup> <i>College of Urban and Environmental Sciences, Peking University</i>
<b>14.30-14.45</b>	<b>T0640 Restoring riparian forests according to existing regulations could greatly improve habitat connectivity for forest fauna in Chile</b> Isabel M Rojas <sup>1</sup> , Anna M Pidegon <sup>1</sup> , Volker C Radeloff <sup>1</sup> <sup>1</sup> <i>SILVIS Lab, Department of Forest and Wildlife Ecology, University of Wisconsin-Madison, USA</i>
<b>14.45-15.00</b>	<b>T0772 Theoretical approaches and practical challenges for landscape restoration planning from the landscape sustainability science.</b> Cristian Echeverria <sup>1</sup> , Rodrigo Fuentes <sup>1</sup> , Francisco De la Barrera <sup>1</sup> , Mauricio Aguayo <sup>1</sup> <sup>1</sup> <i>Universidad de Concepción</i>
<b>15.00-15.15</b>	<b>T0865 Guidelines for defining the decision space for landscape-scale ecosystem restoration</b> Cara R. Nelson <sup>1,2</sup> <sup>1</sup> <i>Department of Ecosystem and Conservation Sciences, University of Montana</i> <sup>2</sup> <i>IUCN Commission on Ecosystem Management, Ecosystem Restoration Thematic Group</i>

### Thursday, 4<sup>th</sup> July 2019

<b>14.00-15.30</b>	<b>Symposium 18 Temporal dynamics in landscape science: New applications and opportunities in social-ecological systems</b> <b>Room: U6-05</b> Session Organisers: Alexander Killion <sup>1</sup> , Mario Torralba <sup>2</sup> , Patrick Behrer <sup>3</sup> , Jessica Gilbert <sup>4</sup> , Adam Dixon <sup>5</sup> <sup>1</sup> <i>The National Socio-Environmental Synthesis Center</i> <sup>2</sup> <i>University of Kassel</i> <sup>3</sup> <i>Harvard University</i> <sup>4</sup> <i>Texas A&amp;M University</i> <sup>5</sup> <i>University of Maryland Baltimore County</i>
<b>14.00-14.15</b>	<b>T0828 Pines stand still, vines move: Century-scale dynamics of a mountainous mediterranean landscape</b> Vassilis Detsis <sup>1</sup> , Antonis Hadjikyriacou <sup>2</sup> , Vagelis Papadias <sup>3</sup> , Christos Chalkias <sup>3</sup> <sup>1</sup> <i>Harokopio University, Department of Home Economics &amp; Ecology</i> <sup>2</sup> <i>Boğaziçi University, History Department</i> <sup>3</sup> <i>Harokopio University, Geography Department</i>
<b>14.15-14.30</b>	<b>T0091 Transformation of land use in an agricultural landscape on landscape structure and soil based ecosystem services over the last 250 years</b> Mike Baude <sup>1</sup> , Burghard C. Meyer <sup>1</sup> <sup>1</sup> <i>Department of Physical Geography and Geoecology, Institute of Geography University of Leipzig</i>

14.30-14.45	<b>T0934 Integrating different time scales in the analysis and cartography of cultural landscape units in the mountain systems of Northwestern Portugal: Arga Hill as a case-study.</b> Andreia Pereira <sup>1</sup> , Lúcio Cunha <sup>1</sup> <sup>1</sup> <i>Departamento de Geografia e Turismo, Faculdade de Letras da Universidade de Coimbra; Centro de Estudos em Geografia e Ordenamento do Território</i>
14.45-15.00	<b>T0241 Change in aesthetic value of landscapes over the last 150 years</b> Uta Schirpke <sup>1</sup> , Andreas Altzinger <sup>1</sup> , Georg Leitinger <sup>2</sup> , Erich Tasser <sup>1</sup> <sup>1</sup> <i>Institute for Alpine Environment, Eurac Research</i> <sup>2</sup> <i>Department of Ecology, University of Innsbruck</i>
15.00-15.15	<b>T0547 Conceptual approach for analyzing the landscape dynamics in agricultural areas</b> Ilia Tamburadzhiev <sup>1</sup> , Kamen Nam <sup>1</sup> <sup>1</sup> <i>Sofia university "St. Kliment Ohridski", Faculty of Geology and Geography, Department of Landscape sciences and Environmental Protection</i>
15.15-15.30	

### Thursday, 4<sup>th</sup> July 2019

14.00-15.30	<p align="center"><b>Symposium 74 Biocultural Landscapes During the Anthropocene</b></p> <p align="center"><b>Room: U6-06</b></p> <p align="center">Session Organisers: Inocencio Jr. Buot<sup>1</sup>, Regan Leonardus Kaswanto<sup>2</sup>  <sup>1</sup><i>University of the Philippines Los Baños</i> <sup>2</sup><i>Bogor Agricultural University</i></p>
14.00-14.15	<b>T0086 Creating a Network Model of System Component Connectivity to Visualize Agroecosystem Interactions in Ecologically Designed Permaculture Landscapes in the Philippines</b> Jabez Joshua Flores <sup>1</sup> , Ara Kathleen Bagunu <sup>2</sup> <sup>1</sup> <i>School of Environmental Science and Management, University of the Philippines Los Baños</i> <sup>2</sup> <i>Permaculture Research PH</i>
14.15-14.30	<b>T0174 Malevolence or Benevolence: The Nocturnal Urban Forest in the 21st Century, The Case of Seoul Forest and North Seoul Dream Forest, Seoul, South Korea</b> Charl Justine Darapisa <sup>1</sup> <sup>1</sup> <i>Seoul National University</i>
14.30-14.45	<b>T0580 Re(Connecting) with the Ifugao Rice Terraces as a Biocultural Landscape through a Youth Capacity Building and Exchange Program: A Conservation and Sustainable Development Approach</b> Joane Serrano <sup>1</sup> , Marissa Bulong <sup>2</sup> <sup>1</sup> <i>UP Open University</i> <sup>2</sup> <i>Ifugao State University</i>
14.45-15.00	<b>T0728 Striving for a Balance Between Sprawl and Bio-cultural Landscapes: The Case of the Ifugao Rice Terraces in the Philippines</b> Consuelo Habito <sup>1</sup> , Rosalyn Sontillanosa <sup>2</sup> <sup>1</sup> <i>Faculty of Management and Development Studies, University of the Philippines Open University</i> <sup>2</sup> <i>National Mapping Resource Information</i>
15.00-15.05	<b>T0127 Recommendations for Sustainable Cultivation of Organic Rice Farming in Malang East Java Indonesia</b> Amin Setyo Leksono <sup>1</sup> , Zainal Abidin <sup>1</sup> , Jati Batoro <sup>1</sup> , Aminudin Afandhi <sup>2</sup> , Anisa Zairina <sup>3</sup> <sup>1</sup> <i>Departments of Biology, Faculty of Mathematics and Natural Sciences, Universitas Brawijaya, Indonesia</i> <sup>2</sup> <i>Faculty of Agriculture, Universitas Brawijaya, Indonesia</i> <sup>3</sup> <i>Forestry Study Program, Faculty of Forestry, Malang Institute of Agriculture, Indonesia</i>
15.05-15.10	<b>T0303 Malay Community Perspective towards the Conservation of the Traditional Houses Landscape in Langkawi</b> Azman A Rahman <sup>1</sup> , Siti Asmaa Hasshim <sup>1</sup> , Abd Manan Samad <sup>1</sup> <sup>1</sup> <i>Universiti Teknologi MARA</i>
15.10-15.15	<b>T0774 Impacts of Oil Palm Plantation to the People of Barangay Sagpangan, Aborlan, Palawan, Philippines</b> Lita Sopsop <sup>1</sup> , Mylene Martinez <sup>2</sup> <sup>1</sup> <i>Western Philippines University</i>

### Thursday, 4<sup>th</sup> July 2019

14.00-15.30	<p align="center"><b>Symposium 03 Integrating food systems into landscape research</b></p> <p align="center"><b>Room: U6-07</b></p>
-------------	---



	Session Organisers: Maria Garcia-Martin <sup>1</sup> , Tobias Plieninger <sup>1</sup> , Mario Torralba <sup>1</sup> <sup>1</sup> <i>Universities of Göttingen and Kassel</i>
<b>14.00-14.15</b>	<b>Introduction to Symposium 03</b>
<b>14.15-14.30</b>	<b>T0236 Towards a framework to connect food value chains to landscape sustainability. An example from the Mediterranean.</b> María García-Martín <sup>1</sup> , Tobias Plieninger <sup>1</sup> , Mario Torralba <sup>2</sup> , Cristina Quintas-Soriano <sup>2,1</sup> <i>Georg-August-Universität Göttingen</i> <sup>2</sup> <i>University of Kassel</i>
<b>14.30-14.45</b>	<b>T0787 Potential contributions of food systems to sustainable landscape development</b> Iris Bohnet <sup>1</sup> , Kristina Janeckova <sup>1</sup> , Ruth Beilin <sup>2</sup> , Petr Sklenicka <sup>1,1</sup> <i>Czech University of Life Sciences Prague</i> <sup>2</sup> <i>University of Melbourne</i>
<b>14.45-15.00</b>	<b>T0059 Fostering biocultural diversity in landscapes through place-based food networks: a “solution scan” of European and Japanese models</b> Tobias Plieninger <sup>1,1</sup> <i>University of Göttingen &amp; University of Kassel</i>
<b>15.00-15.15</b>	<b>T0840 Effects of land systems dynamics on local food systems: insights from seven Mediterranean local case-studies</b> Esther Sanz Sanz <sup>1</sup> <sup>1</sup> <i>INRA UR Ecodéveloppement</i>
<b>15.15-15.20</b>	<b>T0607 Local and landscape drivers of biodiversity and ecosystem service trade-offs in urban agricultural landscapes</b> Monika Egerer <sup>1</sup> , Shalene Jha <sup>2</sup> , Stacy Philpott <sup>1,1</sup> <i>University of California, Santa Cruz</i> <sup>2</sup> <i>University of Texas at Austin</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>14.00-15.30</b>	<b>Symposium 12 Landscape resilience and ecological governance in Anthropocene</b> <b>Room: U6-08</b> Session Organisers: Yangfan Li <sup>1</sup> , Yi Li <sup>1</sup> <sup>1</sup> <i>Xiamen University</i>
<b>14.00-14.15</b>	<b>Introduction to Symposium 12</b>
<b>14.15-14.30</b>	<b>T0776 Landscape resilience and ecological governance in Anthropocene</b> Yangfan Li <sup>1</sup> , Yi Li <sup>1,1</sup> <i>College of the Environment and Ecology, Xiamen University</i>
<b>14.30-14.45</b>	<b>T0113 Tree species functional traits and forest network topology to characterize landscape resilience to natural disturbances</b> Núria Aquilué <sup>1</sup> , Élise Filotas <sup>2</sup> , Dylan Craven <sup>3</sup> , Marie-Josée Fortin <sup>4</sup> , Christian Messier <sup>1</sup> <sup>1</sup> <i>Centre for Forest Research (CFR), Université du Québec à Montréal</i> <sup>2</sup> <i>Département Science et Technologie, TÉLUQ, Université du Québec, Biodiversity, Macroecology &amp; Biogeography, Faculty of Forest Sciences and Forest Ecology, University of Göttingen</i> , <sup>4</sup> <i>Department of Ecology &amp; Evolutionary Biology, University of Toronto</i>
<b>14.45-15.00</b>	<b>T0287 Effects of China's Payment for Ecosystem Services Programs and Agricultural Subsidies on Cropland Use</b> Conghe Song <sup>1</sup> , Qi Zhang <sup>2</sup> , Ying Wang <sup>3,1</sup> <i>University of North Carolina at Chapel Hill</i> <sup>2</sup> <i>Boston University</i> <sup>3</sup> <i>China University of Geosciences Wuhan</i>
<b>15.00-15.15</b>	<b>T0317 Landscape stability analysis based on the mathematical morphology of landscape (a case study of lacustrine thermokarst plains with fluvial erosion within the Cryolithozone)</b> Alexey Victorov <sup>1</sup> , Olga Trapeznikova <sup>1</sup> , Timofey Orlov <sup>1,1</sup> <i>Sergeev Institute of Environmental Geoscience of RAS</i>
<b>15.15-15.20</b>	<b>T0246 Optimizing the spatial arrangement of trees in residential neighborhoods for better cooling effects</b> Zhifeng Wu <sup>1</sup> , Liding Chen <sup>2,1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i> <sup>2</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>



Thursday, 4 <sup>th</sup> July 2019	
14.00-15.30	<p align="center"><b>Symposium 60 Implementing the Green Infrastructure Approach in Central Europe and beyond</b></p> <p align="center"><b>Room: U6-09</b></p> <p>Session Organisers: Marco Neubert<sup>1</sup>, Thomas Wrbka<sup>2</sup>, Hana Skokanova<sup>3</sup>, Henriette John<sup>1</sup></p> <p align="center"><sup>1</sup><i>Leibniz Institute of Ecological Urban and Regional Development</i></p> <p align="center"><sup>2</sup><i>University Vienna – Division for Conservation Biology, Vegetation and Landscape Ecology</i></p> <p align="center"><sup>3</sup><i>Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Department of Landscape Ecology</i></p>
14.00-14.15	<b>Introduction to Symposium 60</b>
14.15-14.30	<p><b>T0789 The knowledge about the term Green Infrastructure in the public and general needs for a Green Infrastructure assessment</b></p> <p>Henriette John<sup>1</sup>, Marco Neubert<sup>1</sup> <sup>1</sup><i>Leibniz Institute of Ecological Urban and Regional Development</i></p>
14.30-14.45	<p><b>T_0998 Methodological geospatial guidance to support strategic deployment of Green Infrastructure</b></p> <p>Christine Estreguil<sup>1</sup>, Gorm Dige<sup>2</sup>, Stefan Kleeschulte<sup>3</sup>, Hugo Carrao<sup>3</sup>, Julie Raynal<sup>4</sup>, Anne Teller<sup>4</sup> <sup>1</sup><i>European Commission, Joint Research Centre (JRC)</i> <sup>2</sup><i>European Environment Agency</i> <sup>3</sup><i>European Topic Center on Urban, Land and Soil systems, Space4environment</i> <sup>4</sup><i>European Commission, DG-Environment</i></p>
14.45-15.00	<p><b>T0788 Transnational Mapping of Green Infrastructure in Central Europe</b></p> <p>Neubert Marco<sup>1</sup>, John Henriette<sup>1</sup> <sup>1</sup><i>Leibniz Institute of Ecological Urban and Regional Development</i></p>
15.00-15.15	<p><b>T_1014 A Federal Green Infrastructure Concept for Germany</b></p> <p>Mayer Florian<sup>1</sup> <sup>1</sup><i>Bundesamt für Naturschutz (Federal Agency for Nature Conservation)</i></p>
15.15-15.20	<p><b>T0184 Territorial system of ecological stability as a regional example for Green Infrastructure planning in the Czech Republic</b></p> <p>Hana Skokanova<sup>1</sup>, Tomáš Slach<sup>1</sup> <sup>1</sup><i>Silva Tarouca Research Institute</i></p>

Thursday, 4 <sup>th</sup> July 2019	
14.00-15.30	<p align="center"><b>Symposium 64 Deciphering environmental gradients in landscapes for a better understanding of biodiversity dynamics</b></p> <p align="center"><b>Room: U6-10</b></p> <p>Session Organisers: Jacques Baudry<sup>1</sup>, Angela Lausch<sup>2</sup>, Paola Mairota<sup>3</sup></p> <p align="center"><sup>1</sup><i>National Institute for Agonomic Research (INRA)</i> <sup>2</sup><i>Helmholtz Centre for Environmental Research - UFZ</i> <sup>3</sup><i>University of Bari "Aldo Moro"</i></p>
14.00-14.15	<b>Introduction to Symposium 64</b>
14.15-14.30	<p><b>T0707 Satellite remote sensing of ecosystem functions for the assessment of ecosystems conservation status</b></p> <p>Paola Mairota<sup>1</sup>, Domingo Alcaraz-Segura<sup>2</sup>, Sofia Lino-Vaz<sup>3</sup>, Francisco Javier Cabello-Pinar<sup>4</sup></p> <p><sup>1</sup><i>University of Bari "Aldo Moro"</i> <sup>2</sup><i>University of Granada</i> <sup>3</sup><i>University of Porto and University of Granada</i> <sup>4</sup><i>University of Almeria</i></p>
14.30-14.45	<p><b>T0466 Assessing the wheat and rapeseed vegetation structure in space and time from local to landscape scale using Sentinel-1 and 2 time series and their use in ecology</b></p> <p>Mercier Audrey<sup>1</sup>, Laurence Hubert-Moy<sup>1</sup>, Julie Betbeder<sup>2</sup>, Joan Van-Baaren<sup>3</sup>, Vincent Leroux<sup>4</sup>, Jacques Baudry<sup>5</sup> <sup>1</sup><i>LETG Rennes UMR 6554 LETG; Université Rennes 2</i> <sup>2</sup><i>CIRAD, Forest ecosystems goods and services</i> <sup>3</sup><i>UMR 6553 ECOBIO, Université de Rennes 1</i> <sup>4</sup><i>Unité Ecologie et Dynamiques des Systèmes Anthropisés;</i> <sup>5</sup><i>INRA, UMR BAGAP</i></p>
14.45-15.00	<p><b>T0889 Two statistical approaches to infer multiscale effects of Landscape : Modelling effects of landscape variables using buffers or spatial influence functions</b></p>

	Florence Carpentier <sup>1</sup> , Martin Olivier <sup>1</sup> <sup>1</sup> INRA
<b>15.00-15.15</b>	<b>T0237 From threshold-based methods to functional windows to characterize relations between landscape variables and biological responses</b> Benjamin Bergerot <sup>1</sup> , Hugues Boussard <sup>2</sup> <sup>1</sup> UMR CNRS 6553 ECOBIO <sup>2</sup> UMR INRA BAGAP
<b>15.15-15.20</b>	<b>T0372 The response of biodiversity of urban ecological corridor to urbanization in Beijing</b> Mengyuan Zhang <sup>1</sup> , Shuxin Fan <sup>1</sup> , Peiyao Hao <sup>1</sup> , Li Dong <sup>1</sup> <sup>1</sup> College of Landscape Architecture, Beijing Forestry University

Thursday, 4 <sup>th</sup> July 2019	
<b>14.00-15.30</b>	<p align="center"><b>Symposium 46 Landscape trajectories during the long Anthropocene: dialogues between ecology and archaeology</b></p> <p align="center"><b>Room: U6-12</b></p> <p align="center">Session Organisers: Giuseppe Bazan<sup>1</sup>, Angelo Castrorao Barba<sup>1</sup></p> <p align="center"><sup>1</sup>Università di Palermo</p>
<b>14.00-14.15</b>	<b>P0121 Effects of colonisation on an Indigenous landscape in southeastern Australia</b> Adeen Cremin <sup>1</sup> , Peter Bindon <sup>2</sup> <sup>1</sup> Australasian Society for Historical Archaeology <sup>2</sup> Australian Ethnographic Institute
<b>14.15-14.30</b>	<b>T0103 Distinct phases of natural landscape dynamics and intensifying human activity in the central Kenya Rift Valley during the past 1300 years</b>  Geert Van der Plas <sup>1</sup> , Gijs De Cort <sup>2</sup> , Nik Petek <sup>3</sup> , Daniele Colombaroli <sup>4</sup> , Paul Lane <sup>3</sup> , Dirk Verschuren <sup>1</sup> <sup>1</sup> Limnology Unit, Department of Biology, Ghent University <sup>2</sup> Department of Earth Sciences, Royal Museum for Central Africa <sup>3</sup> Department of Archaeology and Ancient History, Uppsala Universitet <sup>4</sup> Centre for Quaternary Research, Department of Geography, Royal Holloway University of London
<b>14.30-14.45</b>	<b>P0129 The use of LiDAR in reconstructing lost landscapes of abandoned Ruthenian and German villages in southern Poland</b> Andrzej Affek <sup>1</sup> , Agnieszka Latocha <sup>2</sup> , Jacek Wolski <sup>1</sup> , Maria Zachwatowicz <sup>3</sup> , Małgorzata Wieczorek <sup>2</sup> <sup>1</sup> Institute of Geography and Spatial Organization Polish Academy of Sciences <sup>2</sup> Faculty of Earth Sciences and Environmental Management, University of Wrocław <sup>3</sup> Faculty of Biology, University of Warsaw
<b>14.45-15.00</b>	<b>T0615 The Archaeological-Natural Resilience in the Proto-urban Megalith site of Pietra Tara. Monte Gallo Palermo</b> Francesca Mercadante <sup>1</sup> , Gianluigi Pirrera <sup>2</sup> <sup>1</sup> GeoArchPA <sup>2</sup> AIPIN (Associazione Italiana per l'ingegneria Naturalistica)
<b>15.00-15.15</b>	<b>P0167 Ancient Soil bioengineering and floristic resilience for archeonaturalistic restoration in Sicily</b> Gianluigi Pirrera <sup>1</sup> , Vera Greco <sup>2</sup> <sup>1</sup> Biocity Engineering Srl <sup>2</sup> Parco archeologico di Naxos Taormina
<b>15.15-15.20</b>	<b>P0133 Lithic and megalithic itineraries in the Sicilian naturalistic archaeological landscape</b> Francesca Mercadante <sup>1</sup> , Vera Greco <sup>2</sup> , Gianluigi Pirrera <sup>3</sup> <sup>1</sup> GeoArchPA <sup>2</sup> Regione Siciliana <sup>3</sup> AIPIN (Associazione Italiana per l'ingegneria Naturalistica)

Thursday, 4 <sup>th</sup> July 2019	
<b>14.00-15.30</b>	<p align="center"><b>Symposium 01 Disappearing snow and altered ecosystems: Observations, experiments, and outcomes</b></p> <p align="center"><b>Room: U6-1A</b></p> <p align="center">Session Organisers: Brian Buma<sup>1</sup></p> <p align="center"><sup>1</sup>University of Colorado</p>

<b>14.00-14.15</b>	<b>Introduction to Symposium 01</b>
<b>14.15-14.30</b>	<b>T0050 Warmer winters and a disappearing subnivium</b> Kimberly L. Thompson <sup>1</sup> , Warren P. Porter <sup>1</sup> , Benjamin Zuckerberg <sup>1</sup> , Jonathan N. Pauli <sup>1</sup> <sup>1</sup> <i>University of Wisconsin – Madison</i>
<b>14.30-14.45</b>	<b>T0782 The potential for biodiversity loss at landscape scale due to declining snow cover</b> Pekka Niittynen <sup>1</sup> , Risto Heikkinen <sup>2</sup> , Miska Luoto <sup>1</sup> <sup>1</sup> <i>University of Helsinki</i> <sup>2</sup> <i>Finnish Environment Institute</i>
<b>14.45-15.00</b>	<b>T0496 Winter climate change, snow depth, and prescribed fire affect prairie plant extinction and growth</b> Jonathan Henn <sup>1</sup> , Laura Ladwig <sup>1</sup> , Ellen Damschen <sup>1</sup> <sup>1</sup> <i>University of Wisconsin-Madison, Department of Integrative Biology</i>
<b>15.00-15.15</b>	<b>T0169 Differential responses of forest understory and overstory plants to advancing snowmelt: a test by stand-scale manipulation</b> Makoto Kobayashi <sup>1</sup> <sup>1</sup> <i>Hokkaido University</i>
<b>15.15-15.20</b>	<b>T0549 Experimentally Simulating Warming and Snow Loss in a Mountain Meadow Ecosystem</b> Jill Sherwood <sup>1</sup> , Diane Debinski <sup>2</sup> , Petrutza Caragea <sup>3</sup> , Matthew Germino <sup>4</sup> <sup>1</sup> <i>Map and Geospatial Hub, Arizona State University</i> <sup>2</sup> <i>Department of Ecology, Montana State University</i> <sup>3</sup> <i>Department of Statistics, Iowa State University</i> <sup>4</sup> <i>Forest and Rangeland Ecosystem Science Center, United States Geological Survey</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>14.00-14.30</b>	<p align="center"><b>Symposium 05 The ecological role of sound in terrestrial and aquatic landscapes: theories, methods and application of ecoacoustics</b></p> <p align="center"><b>Room: U6-1B</b></p> <p align="center">Session Organisers: Almo Farina<sup>1</sup>, Susan Fuller<sup>2</sup>, Sandra Muller<sup>3</sup>, Alice Eldridge, Gianni Pavan<sup>4</sup>, David Monacchi<sup>5</sup>; Giusi Boscaino<sup>6</sup></p> <p align="center"><sup>1</sup><i>Urbino University</i> <sup>2</sup><i>Science &amp; Engineering Faculty, Queensland University of Technology</i> <sup>3</sup><i>Geobotany, Faculty of Biology, University of Freiburg, Freiburg, Germany</i> <sup>4</sup><i>Pavia University CNR</i> <sup>5</sup><i>Conservatorio Rossini Pesaro</i>, <sup>6</sup><i>Capo Granitola – Mazara del Vallo</i></p>
<b>14.00-14.15</b>	<b>T0923 Optimization of temporal sampling regimes for temperate forest and grassland preserves</b> Jonathan Eiseaman <sup>1</sup> , Maarten Vonhof <sup>1</sup> , Sharon Gill <sup>1</sup> <sup>1</sup> <i>Department of Biological Sciences, Western Michigan University</i>
<b>14.15-14.30</b>	<b>T0608 First assessment of the soundscape of the Integral Nature Reserve “Sasso Fratino” in the Central Apennine, Italy</b> Roberta Righini <sup>1</sup> , Gianni Pavan <sup>1</sup> <sup>1</sup> <i>Univeristy of Pavia, Department of Earth and Environmental Sciences, Center for Bioacoustics and Environmental Research</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>14.00-15.30</b>	<p align="center"><b>Symposium 52 Urban Sprawl: From Measurement to Management</b></p> <p align="center"><b>Room: U6-1D</b></p> <p align="center">Session Organisers: Jochen A. G. Jaeger<sup>1</sup></p> <p align="center"><sup>1</sup><i>Concordia University Montreal, Dept. of Geography, Planning and Environment</i></p>
<b>14.00-14.15</b>	<b>Introduction to Symposium 52</b>

<b>14.15-14.30</b>	<b>T_0967 Urban sprawl on the rise: Global trends 1990–2014</b> Behnisch Martin <sup>1</sup> , Krueger Tobias <sup>1</sup> , Jaeger Jochen A. G. <sup>2</sup> <sup>1</sup> <i>Leibniz Institute of Ecological Urban and Regional Development (IOER)</i> <sup>2</sup> <i>Concordia University Montreal, Dept. of Geography, Planning and Environment</i>
<b>14.30-14.45</b>	<b>T0928 Measuring the total impact of soil consumption</b> Maddalena Gioia Gibelli <sup>1</sup> , Viola Dosi <sup>1</sup> , Roberto La Greca <sup>1</sup> , Riccardo Santolini <sup>2</sup> <sup>1</sup> <i>Studio architetto Gibelli</i> <sup>2</sup> <i>Università degli Studi di Urbino, Campus Scientifico E. Mattei, Urbino (PU), Italy</i>
<b>14.45-15.00</b>	<b>T0203 Mapping urban area in China using Landsat and nighttime light on Google earth engine Platform: A multi-scale comparative perspective</b> Yina Hu <sup>1</sup> , Jian Peng <sup>1</sup> <sup>1</sup> <i>Peking University</i>
<b>15.00-15.15</b>	<b>T0135 Leading the way toward respecting limitations on a finite planet: Proposing quantitative targets and limits to urban sprawl</b> Jochen Jaeger <sup>1</sup> , Christian Schwick <sup>2</sup> <sup>1</sup> <i>Concordia University Montreal, Dept. of Geography, Planning and Environment</i> <sup>2</sup> <i>Die Geographen Schwick und Spichtig</i>
<b>15.15-15.20</b>	<b>T0434 Urban Sprawl Metrics help to identify ecological impacts: Implementation and Application of New Neighbourhood Metrics to assess Habitat Network Structure and Connectivity</b> Hans-Georg Schwarz-v.Raumer <sup>1</sup> <sup>1</sup> <i>University of Stuttgart, Institute of Landscape Planning and Ecology</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>14.00-15.30</b>	<p align="center"><b>Symposium 51 Modeling the structure and functioning of forest landscapes under changing climate and disturbance regimes</b></p> <p align="center"><b>Room: U6-1F</b></p> <p align="center">Session Organisers: Giorgio Vacchiano<sup>1</sup>, Heike Lischke<sup>2</sup>, Paola Mairota<sup>3</sup>, Rupert Seidl<sup>4</sup>  <sup>1</sup><i>Università di Milano</i> <sup>2</sup><i>Swiss Federal Institute WSL</i> <sup>3</sup><i>Università di Bari</i> <sup>4</sup><i>University of Natural Resources and Life Sciences (BOKU)</i></p>
<b>14.00-14.15</b>	<b>Introduction to Symposium 51</b>
<b>14.15-14.30</b>	<b>P0053 Effective allocation design of riparian buffer strips in plantation forest landscapes for controlling sediment discharge from logged forests in southern Japan</b> Satoshi Ito <sup>1</sup> , Takuro Mizokuchi <sup>1</sup> , Kiwamu Yamagishi <sup>1</sup> , Yasushi Mitsuda <sup>1</sup> , Ryoko Hirata <sup>1</sup> <i>University of Miyazaki</i>
<b>14.30-14.45</b>	<b>T_8897 Retrospective prediction of forest damage caused by storm 'Vaia': a comparison of three approaches to estimating the distribution of wind damage</b> Tom Locatelli <sup>1</sup> , Duncan Heathfield <sup>2</sup> , Giorgio Vacchiano <sup>3</sup> , Barry Gardiner <sup>4</sup> , Donato Morresi <sup>5</sup> , Matteo Garbarino <sup>5</sup> <sup>1</sup> <i>Forest Research</i> <sup>2</sup> <i>World In A Box</i> <sup>3</sup> <i>Università degli Studi di Milano, DISAA</i> <sup>4</sup> <i>EFI Planted Forests Facility</i> <sup>5</sup> <i>Università degli Studi di Torino, DISAFA</i>
<b>14.45-15.00</b>	<b>T0120 From mycelia to mammoths - simulating biotic disturbance agents in a changing world</b> Juha Honkaniemi <sup>1</sup> , Werner Rammer <sup>1</sup> , Rupert Seidl <sup>1</sup> <sup>1</sup> <i>University of Natural Resources and Life Sciences, Institute of Silviculture, Vienna, Austria</i>
<b>15.00-15.15</b>	<b>T0437 The scaling of resilience: projecting regeneration failure under future climate and fire regimes for Greater Yellowstone</b> Werner Rammer <sup>1</sup> , Zak Ratajczak <sup>2</sup> , Leroy Westerling <sup>3</sup> , Monica G. Turner <sup>2</sup> , Rupert Seidl <sup>1</sup> <sup>1</sup> <i>Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna</i> <sup>2</sup> <i>Department of Integrative Biology, University of Wisconsin</i> <sup>3</sup> <i>Sierra Nevada Research Institute, University of California</i>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>16.00-16.30</b>	<b>Symposium 63 How is landscape ecology shaped by research policies?</b>

	<p align="center"><b>Room: Aula Magna</b></p> <p align="center">Symposium organizers: Werner Rolf<sup>1</sup>, Isabel Loupa-Ramos<sup>2</sup>, Jonathan Porter<sup>3</sup>, Veerle Van Eetvelde<sup>4</sup>, Wenche Dramstad<sup>5</sup></p> <p align="center"><sup>1</sup>Technical University of Munich, <sup>2</sup>Technical University of Lisbon, <sup>3</sup>Countryside, <sup>4</sup>University of Ghent, <sup>5</sup> Norwegian Institute of Bioeconomy research - NIBIO</p>
<b>15.30-15.45</b>	<p><b>Reflection</b></p> <p>Grazia Zulian (JRC, colleague of Joachim Maes)</p> <p>Rob Sheller/Audrey Mayer (IALE international policy working group)</p> <p>Sima Fakheran</p>
<b>15.45-16.00</b>	<b>Summing up</b>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>16.00-17.00</b>	<p align="center"><b>Symposium 42 Landscape monitoring: best practices and new developments for an integrated assessment of landscape change</b></p> <p align="center"><b>Room: U6-03</b></p> <p align="center">Symposium organizers: Flurina Wartmann<sup>1</sup>, Felix Kienast<sup>1</sup>, Marcel Hunziker<sup>1</sup></p> <p align="center"><sup>1</sup><i>Federal Research Institute for Forest, Snow and Landscape (WSL)</i></p>
<b>16.00-16.15</b>	<p><b>T0703 Drivers of change in a coastal landscape: Case of The Yali wetlands, Central Chile.</b></p> <p>Vannia Ruiz<sup>1</sup>, Francisco De la Barrera<sup>2</sup>, Carolina Martínez<sup>11</sup><i>Pontificia Universidad Católica de Chile</i> <sup>2</sup><i>Universidad de Concepción</i></p>
<b>16.15-17.00</b>	<b>Discussion</b>

<b>Thursday, 4<sup>th</sup> July 2019</b>	
<b>16.00-16.30</b>	<p align="center"><b>Symposium 18 Temporal dynamics in landscape science: New applications and opportunities in social-ecological systems</b></p> <p align="center"><b>Room: U6-05</b></p> <p align="center">Symposium organizers: Alexander Killion<sup>1</sup>, Mario Torralba<sup>2</sup>, Patrick Behrer<sup>3</sup>, Jessica Gilbert<sup>4</sup>, Adam Dixon<sup>5</sup></p> <p align="center"><sup>1</sup><i>The National Socio-Environmental Synthesis Center</i> <sup>2</sup><i>University of Kassel</i> <sup>3</sup><i>Harvard University</i> <sup>4</sup><i>Texas A&amp;M University</i> <sup>5</sup><i>University of Maryland Baltimore County</i></p>
<b>16.00-16.15</b>	<p><b>T0164 Combining paleoecological knowledge and trait-based ecology for the sustainable management of agroecosystems</b></p> <p>Annegreet Veeken<sup>1</sup>, Suzanne McGowan<sup>1</sup>, Franziska Schrodtt<sup>1</sup>, Maria João Ferreira Dos Santos<sup>21</sup><i>University of Nottingham</i> <sup>2</sup><i>University of Zurich</i></p>
<b>16.15-16.30</b>	<p><b>T0250 Designign Soil in the Antropocene era - Territorial upgrade through the reinterpretation of "soil consumption" in the framework of landscape resilience</b></p> <p>Vittoria Mencarini<sup>1</sup>, Luca Emanuelli<sup>2</sup>, Gianni Lobosco<sup>21</sup><i>Università degli studi di Ferrara</i>, <sup>2</sup><i>Università degli studi di Ferrara - Departement of Architecture - Sealine departmental research center</i></p>
<b>16.30-16.45</b>	<p><b>T_9005 Social and ecological factors and consequences of the rural settlement pattern transformation in North-West Russia on the turn of the Middle Ages and New time</b></p> <p>Olga Trapeznikova<sup>1</sup>, Alexey Frovov<sup>21</sup><i>Sergeev Institute of Environmental Geoscience</i> <sup>2</sup><i>The Institute of World History of RAS</i></p>

Thursday, 4 <sup>th</sup> July 2019	
16.00-17.30	<p align="center"><b>Symposium 31 Biocultural Seascapes of the Anthropocene</b>  <b>Room: U6-06</b>  Session Organisers: Gloria Pungetti<sup>1</sup>, Sun-Kee Hong<sup>2</sup>  <sup>1</sup>University of Sassari and University of Cambridge <sup>2</sup>Mokpo National University</p>
16.00-16.15	<b>Introduction to Symposium 31</b>
16.15-16.30	<b>T0902 Anthropogenic seascapes</b> Gloria Pungetti <sup>1</sup> <sup>1</sup> Universities of Sassari and Cambridge
16.30-16.45	<b>T0296 Island Biocultural Diversity - past, present and future</b> Sun-Kee Hong <sup>1</sup> <sup>1</sup> Mokpo National University
16.45-17.00	<b>T0183 Marine and coastal cultural ecosystem services: Current status and future prospect in Japan</b> Misako Matsuba <sup>1</sup> <sup>1</sup> Japan Agency for Marine-Earth Science and Technology
17.00-17.15	<b>T0506 Sustainable biocultural diversity in Southwestern seascape of the Republic of Korea</b> Jae-Eun Kim <sup>1</sup> <sup>1</sup> Institution for Marine and Island Cultures, Mokpo National University

Thursday, 4 <sup>th</sup> July 2019	
16.00-17.00	<p align="center"><b>Symposium 03 Integrating food systems into landscape research</b>  <b>Room: U6-07</b>  Symposium organizers: Maria Garcia-Martin<sup>1</sup>, Tobias Plieninger<sup>1</sup>, Mario Torralba<sup>1</sup>  <sup>1</sup>Universities of Göttingen and Kassel</p>
16.00-16.15	<b>T0451 Exploring tradeoffs and synergies between food production and carbon sequestration in a grassland-dominated landscape based on extensive beef-cattle systems.</b> Francesco Accatino <sup>1</sup> , Alberto Tonda <sup>2</sup> , Muriel Tichit <sup>1</sup> <sup>1</sup> UMR SADAPT, INRA, AgroParisTech, Université Paris-Saclay <sup>2</sup> UMR GMPA, INRA, Université Paris-Saclay
16.15-17.00	<b>Discussion</b>

Thursday, 4 <sup>th</sup> July 2019	
16.00-16.415	<p align="center"><b>Symposium 12 Landscape resilience and ecological governance in Anthropocene</b>  <b>Room: U6-08</b>  Symposium organizer: Yangfan Li<sup>1</sup>, Yi Li<sup>1</sup>  <sup>1</sup>Xiamen University</p>
16.00-16.15	<b>T0293 Connectivity conservation between coastal protected areas under anthropogenic disturbances and climate change</b> Yi Li <sup>1</sup> , Bingchao Yin <sup>1</sup> , Qihao Jin <sup>1</sup> , Yangfan Li <sup>1</sup> <sup>1</sup> Xiamen University
16.15-16.30	<b>T_0981 The dynamics of carbon flows in coastal landscape under rapid urbanization: integrated land-sea and resilience perspective</b> Fan Bingxiong <sup>1</sup> , Li Yangfan <sup>1</sup> <sup>1</sup> Xiamen University
16.30-16.45	<b>Discussion of Symposium 12</b>



Thursday, 4 <sup>th</sup> July 2019	
16.00-17.30	<p align="center"><b>Symposium 60 Implementing the Green Infrastructure Approach in Central Europe and beyond</b> <b>Room: U6-09</b></p> <p>Symposium organizers: Marco Neubert<sup>1</sup>, Thomas Wrбка<sup>2</sup>, Hana Skokanova<sup>3</sup>, Henriette John<sup>1</sup></p> <p align="center"><sup>1</sup><i>Leibniz Institute of Ecological Urban and Regional Development</i>  <sup>2</sup><i>University Vienna – Division for Conservation Biology, Vegetation and Landscape Ecology</i>  <sup>3</sup><i>Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Department of Landscape Ecology</i></p>
16.00-16.15	<p><b>T0582 Green Infrastructure at regional and local scale – Assessing connectivity and functionality through stakeholder involvement</b>            Florian Danzinger<sup>1</sup>, Thomas Wrбка<sup>1</sup><sup>1</sup><i>Division of Conservation Biology, Vegetation Ecology and Landscape Ecology, Department of Botany and Biodiversity Research, University of Vienna</i></p>
16.15-16.30	<p><b>T0404 Strategic Alpine Connectivity Areas (SACA): a tool for targeting nature conservation interventions in the European Alps</b>            Yann Kohler<sup>1</sup>, Guillaume Costes<sup>2</sup>, Rachel Luethi<sup>3</sup><sup>1</sup><i>Alpine Network of Protected Areas ALPARC</i><sup>2</sup><i>Conservatoire d'espaces naturels Haute Savoie</i> <sup>3</sup><i>ASTERS Swiss National Park</i></p>
16.30-16.45	<p><b>T0125 Assessing landscape services as foundation for Green Infrastructure functionality: the case of the Biosphere Reserve Wienerwald.</b>            Mita Drius<sup>1</sup>, Katharina Theresa Sams<sup>2</sup>, Friedrich Knopper<sup>2</sup>, Christiane Brandenburg<sup>2</sup>, Thomas Wrбка<sup>1</sup> <sup>1</sup><i>Division of Conservation Biology, Vegetation Ecology and Landscape Ecology, Dept of Botany &amp; Biodiversity Research, University of Vienna</i> <sup>2</sup><i>Institute of Landscape Development, Recreation and Conservation Planning, Dept of Landscape, Spatial and Infrastructure Sciences, University of Natural Resources and Life Sciences</i></p>
16.45-17.00	<p><b>T0710 Ecological networking assessment to evaluate ecosystem services and improve green infrastructure</b>            Maria Rita Minciardi<sup>1</sup>, Chiara Richiardi<sup>1</sup>, Stefania Poma<sup>2</sup>, Simonetta Alberico<sup>3</sup>, Simone Ciadamidaro<sup>1</sup>, Gian Luigi Rossi<sup>1</sup> <sup>1</sup><i>ENEA</i><sup>2</sup><i>Parco del Po vercellese alessandrino</i> <sup>3</sup><i>Città Metropolitana di Torino</i></p>
17.00-17.15	<p><b>T0895 Applying socio-ecological lens to blue-green solutions in the city under the multiple social-ecological transitions. The case study of Lodz (Poland).</b>            Kinga Krauze<sup>1</sup><sup>1</sup><i>European Regional Centre for Ecohydrology PAS</i></p>
17.15-17.30	<p><b>T0672 Planning Green Infrastructure: strategies and action plans.</b>            Gian Luigi Rossi<sup>1</sup>, Simone Ciadamidaro<sup>1</sup>, Maria Rita Minciardi<sup>1</sup>, Simonetta Alberico<sup>2</sup>, Stefania Grasso<sup>3</sup>, Paola Vayr<sup>2</sup> <sup>1</sup><i>ENEA - Laboratorio Biodiversità e Servizi ecosistemici</i> <sup>2</sup><i>Città Metropolitana di Torino - Dipartimento Ambiente e Vigilanza Ambientale</i> <sup>3</sup><i>Città Metropolitana di Torino - Dipartimento Territorio, Viabilità ed Edilizia</i></p>

Thursday, 4 <sup>th</sup> July 2019	
16.00-16.30	<p align="center"><b>Symposium 64 Deciphering environmental gradients in landscapes for a better understanding of biodiversity dynamics</b> <b>Room: U6-10</b></p> <p>Symposium organizers: Jacques Baudry<sup>1</sup>, Angela Lausch<sup>2</sup>, Paola Mairota<sup>3</sup></p> <p align="center"><sup>1</sup><i>National Institute for Agonomic Research (INRA)</i> <sup>2</sup><i>Helmholtz Centre for Environmental Research - UFZ</i> <sup>3</sup><i>University of Bari "Aldo Moro"</i></p>

16.00-16.15	<b>T0888 Spatial and temporal stationarity of inter-component relationships in boreal forest landscapes of Russia</b> Ksenia Merekalova <sup>1</sup> , Alexander Khoroshev <sup>1</sup> <sup>1</sup> <i>Lomonosov Moscow state university</i>
16.15-16.30	<b>T_8874 Remote sensing of forest mast seeding</b> Giorgio Vacchiano <sup>1</sup> , Paola Mairota <sup>2</sup> <sup>1</sup> <i>University of Milano, DISAA</i> <sup>2</sup> <i>University of Bari "Aldo Moro", DISAAT</i>

### Thursday, 4<sup>th</sup> July 2019

16.00-16.30	<b>Symposium 01 Disappearing snow and altered ecosystems: Observations, experiments, and outcomes</b> <b>Room: U6-1A</b> Brian Buma <sup>1</sup> <sup>1</sup> <i>University of Colorado</i>
16.00-16.15	<b>T0007 Widespread snow loss driving mass mortality of a forest – but might it be temporary?</b> Brian Buma <sup>1</sup> , Allison Bidlack <sup>2</sup> , Richard (Jr) Lader <sup>3</sup> <sup>1</sup> <i>University of Colorado, Denver</i> <sup>2</sup> <i>Alaska Coastal Rainforest Center, University of Alaska Southeast</i> <sup>3</sup> <i>International Arctic Research Center and Alaska Climate Adaptation Science Center, University of Alaska Fairbanks</i>
16.15-16.20	<b>T0735 Snow Cover Distribution in a small basin in South Western Siberia: Field Observations and Isotopic Composition</b> Dmitry Pershin <sup>1</sup> , Dmitry Chernykh <sup>1</sup> , Natalia Malygina <sup>1</sup> , Roman Biryukov <sup>1</sup> , Dmitry Zolotov <sup>1</sup> , Alla Eirikh <sup>1</sup> <sup>1</sup> <i>Institute for Water and Environmental Problems, Siberian Branch, Russian Academy of Sciences, Barnaul</i>
16.20-16.25	<b>T0542 Landscapes of fear in novel winters: woody debris addition increases small-mammal winter seed predation in habitats with snow removed</b> Peter Guiden <sup>1</sup> , John Orrock <sup>1</sup> <sup>1</sup> <i>University of Wisconsin-Madison</i>
16.25-16.30	<b>T0273 Climate change and mountain life: the risk comes from permafrost (?)</b> Luisa Pedrazzini <sup>1</sup> <sup>1</sup> <i>Regione Lombardia DG Territorio e protezione civile</i>

### Thursday, 4<sup>th</sup> July 2019

16.00-17.15	<b>Symposium 62 The European Landscape Convention 20 years after: Achievements, Progresses, and Opportunities</b> <b>Room: U6-1B</b> Symposium organizers: Wei-Ning Xiang <sup>1</sup> , Daniele La Rosa <sup>2</sup> , Christian Albert <sup>3</sup> <sup>1</sup> <i>University of North Carolina at Charlotte</i> <sup>2</sup> <i>University of Catania, Dept. Civil Engineering and Architecture</i> <sup>3</sup> <i>Leibniz University Hannover, Institute of Environmental Planning</i>
16.00-16.15	<b>Introduction Symposium 62</b>
16.15-16.30	<b>T0572 From the European Landscape Convention to green infrastructure: making progress or stepping backwards?</b> Stephan Pauleit
16.30-16.45	<b>T0682 The Big Hope. Landscape discourse and landscape policies in Italy after the European Landscape Convention</b> Claudia Cassatella <sup>1</sup> <sup>1</sup> <i>Politecnico di Torino</i>
16.45-17.00	<b>T9NN8 The European Landscape Convention at 20 – Reflections and opportunities from landscape planning processes in Italy</b> Daniele La Rosa <sup>1</sup> <sup>1</sup> <i>Department of Civil Engineering and Architecture, University of Catania</i>
17.00-17.15	<b>T0792 Typisation of the Slovak Landscape</b> Zita Izakovičová <sup>1</sup> <sup>1</sup> <i>Institute of Landscape Ecology, Slovak Academy of Sciences</i>

Thursday, 4 <sup>th</sup> July 2019	
16.00-16.45	<p><b>Symposium 52 Urban Sprawl: From Measurement to Management</b></p> <p><b>Room: U6-1D</b></p> <p>Symposium organizers: Jochen A. G. Jaeger<sup>1</sup></p> <p><sup>1</sup><i>Concordia University Montreal, Dept. of Geography, Planning and Environment</i></p>
16.00-16.15	<p><b>T0797 Using edge density metrics to assess landscape fragmentation along Quezon City's Mariblo creek system</b></p> <p>Michael Abuan<sup>1</sup>, Nappy Navarra<sup>1</sup> <i><sup>1</sup>University of the Philippines</i></p>
16.15-16.30	<p><b>T0825 Characterizing and understanding the transformation of urban morphology: a case study of Austin metropolitan area, Texas, U.S.</b></p> <p>Chunhong Zhao<sup>1</sup>, Anna M. Hersperger<sup>1</sup> <i><sup>1</sup>Swiss Federal Research Institute WSL, Land-change-science Research Unit</i></p>
16.30-16.45	<p><b>T0368 The TOD Suitability Index: A Planning Framework for Transit-Oriented Developments (TOD)</b></p> <p>Angelo Paulo Mogul<sup>1</sup> <i><sup>1</sup>Land &amp; Man Integrated Design</i></p>

Thursday, 4 <sup>th</sup> July 2019	
16.00-17.15	<p><b>Symposium 36 The importance of coppice forests for landscape diversity and the factors influencing the proportion and distribution of young growth stages.</b></p> <p><b>Room: U6-1E</b></p> <p>Debbie Bartlett<sup>1</sup>, Valeriu-Norocel Nicolescu<sup>2</sup></p> <p><sup>1</sup><i>University of Greenwich</i></p> <p><sup>2</sup><i>University of Braşov</i></p>
16.00-16.15	Introduction Symposium 36
16.15-16.30	<p><b>T0129 Coppice woodlands in South East England: the socio-economic and non-market factors influencing structural diversity in the wooded landscape</b></p> <p>Debbie Bartlett<sup>1</sup> <i><sup>1</sup>University of Greenwich</i></p>
16.30-16.45	<p><b>T0818 Shaping future forestry for sustainable coppices in southern Europe: the contribution of LIFE FutureForCoppices project</b></p> <p>Andrea Cutini<sup>1</sup>, Elena Gottardini<sup>2</sup>, Simonetta Bagella<sup>3</sup>, Roberto Fratini<sup>4</sup>, Giuliano Patteri<sup>5</sup>, Bruno Ciucchi<sup>6</sup> <i><sup>1</sup>CREA Council for Agricultural Research and Economics - Research Centre for Forestry and Wood<sup>2</sup>Edmund Mach Foundation<sup>3</sup>University of Sassari<sup>4</sup>University of Florence<sup>5</sup>Agenzia Forestas<sup>6</sup>Terre regionali toscane</i></p>
16.45-17.00	<p><b>T0364 The social-ecological system of coppiced forest in the Italian Central Apennine</b></p> <p>Marco Cervellini<sup>1</sup>, Giandiego Campetella<sup>1</sup>, Stefano Chelli<sup>1</sup>, Enrico Simonetti<sup>1</sup>, Roberto Canullo<sup>1</sup></p> <p><sup>1</sup><i>University of Camerino - School of Biosciences and Veterinary Medicine, Plant Diversity and Ecosystems Management Unit</i></p>
17.00-17.15	<p><b>T0138 Interspecific variation in growth responses to tree size, competition and climate of western Canadian boreal mixed forests</b></p> <p>Xinyu Jiang<sup>1</sup> <i><sup>1</sup>Guangdong Institute of Eco-environmental Science &amp; Technology, Guangzhou, 510650, China</i></p>

Thursday, 4 <sup>th</sup> July 2019	
16.00-16.30	<p><b>Symposium 51 Modeling the structure and functioning of forest landscapes under changing climate and disturbance regimes</b></p> <p><b>Room: U6-1F</b></p>

	Symposium organizers: Giorgio Vacchiano <sup>1</sup> , Heike Lischke <sup>2</sup> , Paola Mairota <sup>3</sup> , Rupert Seidl <sup>4</sup> <i><sup>1</sup>Università di Milano <sup>2</sup>Swiss Federal Institute WSL <sup>3</sup>Università di Bari <sup>4</sup>University of Natural Resources and Life Sciences (BOKU)</i>
<b>16.00-16.15</b>	<b>T0671 Seed dispersal, climate change and disturbance scenario strongly and differently affect predictions of forest landscape models</b> Heike Lischke <sup>1</sup> , Petter Gunnar <sup>2</sup> , Paola Mairota <sup>3</sup> , Giorgio Vacchiano <sup>4</sup> , Josef Bruna <sup>5</sup> <i><sup>1</sup>Dynamic Macroecology, WSL<sup>2</sup>Mountain Forest Ecology,, ETH Zürich<sup>3</sup>Di.S.A.A.T. , University of Bari<sup>4</sup>Forest Management And Maintenance, University of Milano<sup>5</sup>Inst. of Botany, Academy of Sciences</i>
<b>16.15-16.30</b>	<b>T_9017 Future forest dynamics under climate change, land use change, and harvest in subtropical forests in Southern China</b> Zhuo Wu

## FRIDAY, 5<sup>th</sup> July 2019

<b>08.45-10.00</b>	<p style="text-align: center;"><b>PLENARY TALK</b></p> <p style="text-align: center;"><b><i>A voice outside landscape ecology - From genetics to artificial intelligence: the brilliant intuitions of Primo Levi on the destiny of Man</i></b></p> <p style="text-align: center;"><b>Gianfranco Pacchioni</b></p> <p style="text-align: center;"><b>Room: Aula Magna</b></p> <p style="text-align: center;"><i>University Milano-Bicocca</i></p>
--------------------	--

## Friday, 5 July 2019

<b>10.30-12.30</b>	<p style="text-align: center;"><b>Symposium 20 - Challenges of Arid and Semi-Arid Landscapes in the Anthropocene: Searching for New approaches for Adaptation, Conservation, Planning and Management</b></p> <p style="text-align: center;"><b>Room: Aula Magna</b></p> <p style="text-align: center;">Session Organisers: Sima Fakheran, <i>Vice President of IALE-International, President of IALE-Iran</i>; Wenjiang Liu, <i><sup>2</sup>Executive Deputy Director of Research Center for Ecology and Environment of Central Asia (RCEECA), the Chinese Academy of Sciences (CAS)</i>; Xi Chen, <i><sup>3</sup>Vice President, Xinjiang Branch of Chinese Academy of Sciences (CAS), Director of Research Center for Ecology and Environment of Central Asia, CAS</i>; Josef Senn, <i>Scientific staff member, Swiss Federal Research Institute WSL</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 20</b>
<b>10.45-11.00</b>	<p><b>T0051 Effects of Land preparation and Reforestation on Eco-hydrological Services in the Loess Plateau of China</b></p> <p>Wei Wei<sup>1</sup> <i><sup>1</sup>State Key Lab of Urban and Regional Ecology, Research Center for Ecoenvironmental Sciences, Chinese Academy of Sciences</i></p>
<b>11.00-11.15</b>	<p><b>T0097 Desertification classification framework and its application within the Northern Kulunda Steppe in Western Siberia</b></p> <p>Schreiner Vera<sup>1</sup>, Meyer Burghard<sup>2</sup> <i><sup>1</sup>Institut für Geowissenschaften und Geographie, Martin-Luther-Universität Halle-Wittenberg, <sup>2</sup>Department of Physical Geography and Geoecology, Institute of Geography University of Leipzig</i></p>
<b>11.15-11.30</b>	<p><b>T0152 Impacts of landscape changes on regional climate: The case of vegetation restoration in the Loess Plateau of China</b></p> <p>Qian Cao<sup>1</sup>, Jianguo Wu<sup>2</sup>, Deyong Yu<sup>1</sup>, Wei Wang<sup>3</sup> <i><sup>1</sup>Beijing Normal University <sup>2</sup>Arizona State University <sup>3</sup>National Center for Atmospheric Research</i></p>
<b>11.30-11.45</b>	<p><b>T0367 Synergies between Ecological Restoration and Energy Production- A Case of Bioenergy and Climate Change Mitigation Potential of Arid Wastelands in Northern Nigeria</b></p> <p>Oludunsin Arodudu<sup>1</sup> <i><sup>1</sup>Maynooth University</i></p>
<b>11.45-12.00</b>	<p><b>T0394 Quantifying desertification trend using the hexagonal network, gradian analysis and landscape metrics in Chaharmahal Va Bakhtiari province, Iran</b></p> <p>Raheleh Daneshmandparsa<sup>1,2</sup> <i><sup>1</sup>Dept. of Natur. Resour., Isf. Univ. of Technol., Isfahan, Iran <sup>2</sup>Dept. of the Environ., Faculty of Natur. Resour. and Earth Sci, Univ. of Kashan, Kashan, Iran</i></p>
<b>12.00-12.15</b>	<p><b>T0447 Soil and gas exchange under historically farmed and pristine Acacia karoo patches in the Tankwa Karoo National Park, South Africa</b></p> <p>Lesego Khomo<sup>1</sup> <i><sup>1</sup>UNISA</i></p>
<b>12.15-12.30</b>	<p><b>T0529 Tree Rings as Bio-indicator of Riverscape Changes in Central Iran</b></p> <p>Hosseini Moradi<sup>1</sup>, Mahsa Mirzakhani<sup>1</sup>, Rasoul Yousefpour<sup>2</sup>, Hans-Peter Kahle<sup>2</sup>, Javad Soosani<sup>3</sup> <i><sup>1</sup>Department of Natural Resources, Isfahan University of Technology, <sup>2</sup>Chair of Forestry Economics and Forest Planning, University of Freiburg, <sup>3</sup>Faculty of Agriculture and Natural Resources, Lorestan University</i></p>

Friday, 5 July 2019	
10.30-12.00	<p align="center"><b>Symposium 28 - Forest disturbances as drivers of tree species range shifts under global change</b></p> <p align="center"><b>Room: U6 - 02</b></p> <p>Session Organisers: Juha Honkaniemi<sup>1,1</sup><i>Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna (BOKU)</i>; Brian Buma<sup>2</sup>, <sup>2</sup><i>Department of Integrative Biology, University of Colorado Denver</i>;</p>
10.30-10.45	<b>Introduction to Symposium 28</b>
10.45-11.00	<p><b>T0100 Plant pathogens have their say: Impact of a novel Phytophthora species on plant composition and ecosystem functions of kauri forests</b></p> <p>Luitgard Schwendenmann<sup>1</sup>, Beate Michalzik<sup>2</sup><sup>1</sup><i>University of Auckland</i>, <sup>2</sup><i>University of Jena</i></p>
11.00-11.15	<p><b>T0156 Anthropogenic disturbance is more important than climate change in explaining compositional changes in northern forests over the past century</b></p> <p>Victor Danneyrolles<sup>1</sup>, Yan Boucher<sup>2</sup>, Jason Laflamme<sup>2</sup>, Mark Vellend<sup>3</sup>, Yves Bergeron<sup>4</sup>, Dominique Arseneault<sup>1</sup><sup>1</sup><i>Université du Québec à Rimouski</i>, <sup>2</sup><i>Ministère des Forêts, de la Faune et des Parcs du Québec</i>, <sup>3</sup><i>Université de Sherbrooke</i>, <sup>4</sup><i>Université du Québec en Abitibi-Témiscamingue</i></p>
11.15-11.30	<p><b>T0248 Do we need disturbances to project species distributions? Insights from Temperate and Mediterranean forests.</b></p> <p>Josep M Serra-Diaz<sup>1</sup>, Yu Liang<sup>2</sup>, Robert M Scheller<sup>3</sup>, Janet Franklin<sup>4</sup><sup>1</sup><i>Université de Lorraine, AgroParisTech, INRA, Silva</i> <sup>2</sup><i>CAS Key Laboratory of Forest Ecology and Management, Institute of Applied Ecology, The Chinese Academy of Sciences</i>, <sup>3</sup><i>Fellow, Center for Geospatial Analytics -- Dynamic Ecosystems &amp; Landscapes Lab. North Carolina State University</i>, <sup>4</sup><i>University of California Riverside</i></p>
11.30-11.45	<p><b>T0481 Gaps accelerate temperate forest adaptation to global warming</b></p> <p>Lucie Dietz<sup>1</sup>, Catherine Collet<sup>1</sup>, Jean-Luc Dupouey<sup>1</sup>, Lisa Laurent<sup>1</sup>, Eric Lacombe<sup>1</sup><sup>1</sup><i>Université de Lorraine, AgroParisTech, Inra, Silva, 54000, Nancy, France</i></p>
11.45-12.00	<p><b>T0663 Climate-induced slope processes favour widespread microrefugia for nival and alpine plant species across treelines</b></p> <p>Rodolfo Gentili<sup>1</sup> <sup>1</sup><i>University of Milano-Bicocca, Department of Earth and Environmental Sciences</i></p>

Friday, 5 July 2019	
10.30-12.45	<p align="center"><b>Symposium 47 - Biophysical Methods for the Quantification, Mapping and Assessment of Ecosystem Services</b></p> <p align="center"><b>Room: U6 - 03</b></p> <p>Session Organisers: Bastian Steinhoff-Knopp<sup>1</sup>, Benjamin Burkhard<sup>1,1</sup><i>Leibniz Universität Hannover</i></p>
10.30-10.45	<b>Introduction to Symposium 47</b>
10.45-11.00	<p><b>T0336 A two-dimensional assessment framework for quantifying cultural ecosystem services of green infrastructures in urban area: a case study of parks in Three-hills and Five-gardens area in Beijing, China</b></p> <p>Xueying Tu<sup>1,2</sup>, Qing Chang<sup>1</sup>, Veerle Van Eetveld<sup>2</sup>, Wangxin Su<sup>1</sup><sup>1</sup><i>China Agricultural University</i>, <sup>2</sup><i>Ghent University</i></p>
11.00-11.15	<p><b>T_8918 Quantification and mapping of regulating and provisioning services in urban areas making use of a system dynamics model</b></p>



	Javier Babí Almenar <sup>1,2,3</sup> , Thomas Elliot <sup>1</sup> , Benedetto Rugani <sup>1</sup> , Claudio Petucco <sup>1</sup> <sup>1</sup> <i>Luxembourg Institute of Science &amp; Technology</i> , <sup>2</sup> <i>University of Trento</i> , <sup>3</sup> <i>University of Bordeaux</i>
<b>11.15-11.30</b>	<b>T0614 Quantification and modeling of multiple ecosystem services in the Venice lagoon (Italy): an analysis from a sustainability perspective</b> Silvia Rova <sup>1</sup> , Felix Müller <sup>2</sup> , Patrick Meire <sup>3</sup> , Fabio Pranovi <sup>1</sup> <sup>1</sup> <i>Environmental Sciences, Informatics and Statistics Dept., University Ca' Foscari of Venice</i> , <sup>2</sup> <i>Institute for Natural Resource Conservation, Christian Albrechts University of Kiel</i> , <sup>3</sup> <i>Ecosystem Management Research Group, Biology Dept., University of Antwerp</i>
<b>11.30-11.45</b>	<b>T0604 Integrated mapping and assessment of agroecosystems in Northern Germany</b> Paula Rendon <sup>1,2</sup> , Bastian Steinhoff-Knopp <sup>1</sup> , Benjamin Burkhard <sup>2</sup> <sup>1</sup> <i>Institute of Physical Geography and Landscape Ecology, Leibniz University of Hannover</i> , <sup>2</sup> <i>Leibniz Centre for Agricultural Landscape Research (ZALF) Müncheberg</i>
<b>11.45-12.00</b>	<b>T0145 Assessing the decrease in soil-related ecosystem services by soil erosion</b> Bastian Steinhoff-Knopp <sup>1</sup> , Kristin Kuhn <sup>1</sup> , Benjamin Burkhard <sup>1</sup> <sup>1</sup> <i>Leibniz University Hannover</i>
<b>12.00-12.15</b>	<b>T0249 Ecosystem functions and services: from plot to landscape scale</b> Georg Leitinger <sup>1</sup> , Uta Schirpke <sup>2</sup> , Lisa Huber <sup>1</sup> , Johannes Rüdiger <sup>1</sup> , Erich Tasser <sup>2</sup> , Ulrike Tappeiner <sup>1</sup> <sup>1</sup> <i>University of Innsbruck, Department of Ecology</i> , <sup>2</sup> <i>Eurac Research, Institute for Alpine Environment</i>
<b>12.15-12.30</b>	<b>T_0975 A tiered approach for biophysical ecosystem services quantification, mapping and assessment</b> Benjamin Burkhard <sup>1</sup> , Paula Rendón <sup>1</sup> , Claudia Dworczyk <sup>1</sup> , Bastian Steinhoff-Knopp <sup>1</sup> <sup>1</sup> <i>Leibniz University Hannover, Institute of Physical Geography and Landscape Ecology</i>
<b>12.30-12.45</b>	<b>T_8882 Risk of unsustainable use of ecosystem services through capacity / use assessment: current state and scenarios for support decision making</b> C. Sylvie Campagne <sup>1,2,3</sup> , Philip Roche <sup>1</sup> <sup>1</sup> <i>IRSTEA, UMR RECOVER, Aix-en-Provence</i> , <sup>2</sup> <i>Institute of Physical Geography &amp; Landscape Ecology</i> , <sup>3</sup> <i>Leibniz Universität Hannover</i>

Friday, 5 July 2019	
<b>10.30-12.30</b>	<p align="center"><b>Symposium 43 - Planning with nature for sustainable landscape development: lessons-learned from around the world</b></p> <p align="center"><b>Room: U6 - 04</b></p> <p>Session Organisers: Christian Albert, <i>Leibniz University Hannover, Institute of Environmental Planning</i>; Zhifang Wang, <i>College of Architecture and Landscape Architecture, Peking University</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 43</b>
	<del><b>T0346 City scale landscape planning based upon prioritization and governance of NBS</b></del> Zhifang Wang <sup>1</sup> , Sirui Wang <sup>1</sup> , Yinglu Miu <sup>1</sup> , Yaojin Zhou <sup>1</sup> , Zhongwei Zhu <sup>1</sup> , Hongpeng Fu <sup>1</sup> <sup>1</sup> <i>College of Architecture and Landscape, Peking University</i>
<b>10.45-11.00</b>	<del><b>T0938 Urban regeneration with productive nature-based solutions – what are the framing conditions? Examples from seven post-industrial European cities</b></del> Rieke Hansen <sup>1</sup> , Sabina Leopa <sup>2</sup> , Pietro Elisei <sup>2</sup> , Axel Timpe <sup>1</sup> <sup>1</sup> <i>RWTH Aachen University</i> , <sup>2</sup> <i>URBASOFIA</i>
<b>11.00-11.15</b>	<del><b>T0670 Exploring Co-Benefits, Negative Externalities and Impact Pathways of Nature-based Solutions in Urban Areas</b></del> Maria Susana Orta Ortiz <sup>1</sup> , Davide Geneletti <sup>1</sup> <sup>1</sup> <i>University of Trento, Department of Environmental, Civil and Mechanical Engineering</i>
	<del><b>T0360 Regional policies to better protect natural heritage of peri-urban open spaces: example from European Union</b></del> Marcin Spyra <sup>1</sup> , Alina Schürmann <sup>1</sup> <sup>1</sup> <i>Martin Luther University, Halle – Wittenberg</i>
<b>11.15-11.30</b>	<b>T0160 Stelvio national park: interregional planning for future landscapes</b>

	Riccardo Giacomelli <sup>1</sup> <i>University of Trento, DICAM, Doctoral Course in Civil, Environmental and Mechanical Engineering</i>
<b>11.30-11.45</b>	<b>T0644 Planning nature-based solutions in the Lahn river landscape</b> Christian Albert <sup>1</sup> , Mario Brillinger <sup>1</sup> , Sarah Gottwald <sup>1</sup> , Paulina Guerrero <sup>1</sup> , Jennifer Henze <sup>1</sup> , Stefan Schmidt <sup>1</sup> <i>Leibniz University Hannover, Institute of Environmental Planning</i>
<b>11.45-12.00</b>	<b>T0359 A health-data led approach to green and blue infrastructure and health studies-A case study of Ireland</b> Oludunsin Arodudu <sup>1</sup> , Ronan Foley <sup>1</sup> , Michael Brennan <sup>2</sup> , Gerald Mills <sup>3</sup> , Tine Ningal <sup>3</sup> , Malachy Bradley <sup>2</sup> <sup>1</sup> Maynooth University, <sup>2</sup> Eastern and Midland Regional Assembly, <sup>3</sup> School of Geography, University College Dublin
<b>12.00-12.15</b>	<b>Planning with nature for sustainable urban landscapes and public health: Lessons-learned from the hot summer 2018</b> Dagmar Haase et al
<b>12.15-12.30</b>	<b>T0158 The adoption of an Ecosystem services-based approach for green infrastructure design: practical insights from the case study of Rescaldina Municipality (Milan Metropolitan city, Italy)</b> Silvia Ronchi <sup>1</sup> , Andrea Arcidiacono <sup>1</sup> , Laura Pogliani <sup>1</sup> <i>1se</i>
<b>12.30-12.45</b>	<b>Closing discussion</b>

Friday, 5 July 2019	
<b>10.30-12.30</b>	<p><b>Symposium 15 - Toward a landscape-scale management of large carnivores in human-dominated areas</b></p> <p><b>Room: U6 - 05</b></p> <p>Session Organisers: Olivia Dondina, Valerio Orioli, <i>University of Milano-Bicocca, Department of Earth and Environmental Sciences</i>; Alberto Meriggi, <i>University of Pavia, Department of Earth and Environmental Sciences</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 15</b>
<b>10.45-11.00</b>	<b>T0082 Change of woody cover affects ocelot recovery in South Texas, USA</b> Jason Vincent Lombardi <sup>1</sup> , Michael E. Tewes <sup>1</sup> , Humberto L. Perotto-Baldivieso <sup>1</sup> <i>Caesar Kleberg Wildlife Research Institute, Texas A&amp;M University-Kingsville</i>
<b>11.00-11.15</b>	<b>T0933 How Iberian lynx interact with humanized landscapes? Insights from a Portuguese study</b> Inês Marques Duarte <sup>1</sup> , Susana Dias <sup>1</sup> , Leónia Nunes <sup>1,2,3</sup> , Francisco Castro Rego <sup>1</sup> <i>Centre for Applied Ecology "Professor Baeta Neves" (CEABN), InBIO, School of Agriculture, University of Lisbon, <sup>2</sup>CITAB - Centre for the Research and Technology of Agro-Environmental, <sup>3</sup>Biological Sciences, University of Trás-os-Montes e Alto Douro</i>
<b>11.15-11.30</b>	<b>T0406 Evaluating impact of major developments in Myanmar on clouded leopard connectivity and population dynamics</b> Zaneta Kaszta <sup>1</sup> , Samuel A. Cushman <sup>2</sup> , Saw Htun <sup>3</sup> , Dawn Burnham <sup>1</sup> , David W. Macdonald <sup>1</sup> <i>Wildlife Conservation Research Unit (WildCRU), University of Oxford, <sup>2</sup>USDA Forest Service, Rocky Mountain Research Station, <sup>3</sup>WCS Myanmar</i>
<b>11.30-11.45</b>	<b>T0475 Using Systematic Conservation Planning to identify habitat conservation priorities for brown bears in the Romanian Carpathians</b> Viorel Popescu <sup>1</sup> , Mihai Pop <sup>2</sup> , Ruben Iosif <sup>2</sup> , Iulia Miu <sup>2</sup> , Laurentiu Rozylowicz <sup>2</sup> <i>Ohio University, Department of Biological Sciences, <sup>2</sup>University of Bucharest</i>
<b>11.45-12.00</b>	<b>T0648 Should I stay or should I go? Different strategies of recolonization of a lowland ecological corridor by wolf</b> Valerio Orioli <sup>1</sup> , Alberto Meriggi <sup>2</sup> , Luciano Bani <sup>1</sup> , Olivia Dondina <sup>1</sup> <i>University of Milano-Bicocca, <sup>2</sup>University of Pavia</i>
<b>12.00-12.15</b>	<b>T0195 Striped hyenas - human-wildlife conflict in a highly populated area</b> Yariv Malihi <sup>1</sup> <i>INPA - Israel Nature Reserves &amp; National Parks Authority</i>

<b>12.15-12.30</b>	<b>T0846 Understanding spatial patterns of livestock depredation risk by wolves in a human-dominated landscape of northern Apennines, Italy</b> Marco Davoli <sup>1</sup> , Tobias Kuemmerle <sup>1</sup> , Arash Ghoddousi <sup>1</sup> , Olivia Dondina <sup>2</sup> , Elena Fabbri <sup>3</sup> , Romolo Caniglia <sup>3</sup> <sup>1</sup> <i>Humboldt-Universität zu Berlin</i> , <sup>2</sup> <i>Università degli Studi di Milano-Bicocca · Department of Earth and Environmental Sciences</i> , <sup>3</sup> <i>Institute for Environmental Protection and Research (ISPRA)</i>
<b>12.30-12.45</b>	<b>T0192 Integrating ecology and social science to understand dynamics of human-black bear (<i>Ursus americanus</i>) interactions across an exurban landscape</b> Anita T Morzillo <sup>1</sup> , Nicholas Yarmey <sup>1</sup> , Howard Kilpatrick <sup>2</sup> , Rick Jacobson <sup>2</sup> , Jason Hawley <sup>2</sup> <sup>1</sup> <i>University of Connecticut</i> , <sup>2</sup> <i>Connecticut Department of Energy and Environmental Protection</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.30</b>	<p><b>Symposium 38 - 3-D landscape metrics and visualization techniques - applications in spatial planning, environmental assessment and participatory decision processes</b></p> <p><b>Room: U6 - 06</b></p> <p>Session Organisers: Christine Fürst, <i>Martin Luther University Halle-Wittenberg, Inst. Geosciences and Geography, Dept. Sustainable Landscape Development</i>; Mihai Stupariu, <i>University of Bucharest, Department of Computer Science</i>; Ileana Stupariu, <sup>3</sup><i>University of Bucharest, Department of Regional Geography and Environment</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 38</b>
<b>10.45-11.00</b>	<b>T0078 Using 3-D metrics in spatial planning – application areas and suitability of indicators</b> Christine Fürst <sup>1</sup> <sup>1</sup> <i>Dept. Sustainable Landscape Development, Martin Luther University Halle-Wittenberg</i>
<b>11.00-11.15</b>	<b>T0588 Do we need 3D-landscape metrics?</b> Ulrich Walz <sup>1</sup> <sup>1</sup> <i>Dresden University of Applied Sciences</i>
<b>11.15-11.30</b>	<b>T0376 Differentiating between 2D and 3D landscape metrics: the role of surface variability</b> Mihai-Sorin Stupariu <sup>1</sup> , Christine Fürst <sup>2</sup> , Ileana Pătru-Stupariu <sup>1</sup> <sup>1</sup> <i>University of Bucharest</i> , <sup>2</sup> <i>Martin Luther University Halle-Wittenberg</i>
<b>11.30-11.45</b>	<b>T0605 Human-wildlife interactions in peri-urban areas: does the 3D fingerprint of the landscapes matter?</b> Ileana Pătru-Stupariu <sup>1</sup> , Mihai Mustăţea <sup>1</sup> , Alin-Ionuţ Pleşoianu <sup>1</sup> , Martin Schultze <sup>2</sup> , Mihai-Sorin Stupariu <sup>1</sup> , Christine Fürst <sup>2</sup> <sup>1</sup> <i>University of Bucharest</i> <sup>2</sup> <i>Martin Luther University Halle-Wittenberg</i>
<b>11.45-12.00</b>	<b>T0393 The role of 3D metrics in landscape divisions and their practical significance in environmental protection</b> Marta Kubacka <sup>1</sup> , Sylwia Bródka <sup>1</sup> , Andrzej Macias <sup>1</sup> <sup>1</sup> <i>Adam Mickiewicz University, Department of Landscape Ecology</i>
<b>12.00-12.15</b>	<b>T0210 3D point clouds as a new language for linking landscape ecology and participatory planning</b> Grêt-Regamey Adrienne <sup>1</sup> , Dissegna Angela <sup>2</sup> <sup>1</sup> <i>ETH Zürich</i> , <sup>2</sup> <i>ETH-SEC, Future Cities Lab</i>
<b>12.15-12.30</b>	<b>T0040 Landscape Visualization: Its Application for Participatory Decision Making</b> Elham Nasr Azadani <sup>1</sup> <sup>1</sup> <i>Pennsylvania State University</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.45</b>	<p><b>Symposium 41 - Ecology, water and the city: strengthening water-sensitive planning with Nature-Based Solutions in urban contexts</b></p> <p><b>Room: U6 - 07</b></p> <p>Session Organisers: Daniele La Rosa, <i>University of Catania, Department of Civil Engineering and</i></p>

	<i>Architecture; Raffaele Pelorosso, Tuscia University</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 41</b>
<b>10.45-11.00</b>	<b>T0948 Sustainable Urban Drainage Systems in Eastern Europe: an analytical overview of constraints and enabling conditions for the development of water-related Nature-Based Solutions</b> Anton Shkaruba <sup>1</sup> , Olga Likhacheva <sup>2</sup> , Hanna Skryhan <sup>3</sup> , Viktor Kireyeu <sup>4</sup> , Iryna Shpakivska <sup>5</sup> <sup>1</sup> <i>Estonian University of Life Sciences</i> , <sup>2</sup> <i>Pskov State University</i> , <sup>3</sup> <i>Belarusian-Russian University</i> , <sup>4</sup> <i>St. Petersburg State University</i> , <sup>5</sup> <i>Institute of the Ecology of Carpathians</i>
<b>11.00-11.15</b>	<b>T0306 The Benefits of Nature-Based Solutions in Urban Landscapes in terms of Improving Ecosystem Services; The Case of the URBAN GreenUP Project in Izmir</b> Cigdem Coskun Hepcan <sup>1</sup> , Serif Hepcan <sup>1</sup> , Gulsah Adiguzel <sup>2</sup> , Merve Ozeren Alkan <sup>1</sup> <sup>1</sup> <i>Ege University</i> , <sup>2</sup> <i>Mehmet Akif Ersoy University</i>
<b>11.15-11.30</b>	<b>T0668 Potentialities, uncertainties and opportunities for storm water modelling introduction in NBS urban planning</b> Raffaele Pelorosso <sup>1</sup> , Daniele La Rosa <sup>2</sup> , Federica Gobattoni <sup>1</sup> <sup>1</sup> <i>Tuscia University</i> , <sup>2</sup> <i>Catania University</i>
<b>11.30-11.45</b>	<b>T_8747 Analyzing the spatial equity of the benefits of Sustainable Urban Drainage Systems – case study from Mediterranean urban context</b> Viviana Pappalardo <sup>1</sup> , Daniele La Rosa <sup>1</sup> , Raffaele Pelorosso <sup>2</sup> <sup>1</sup> <i>Department of Civil Engineering and Architecture, University of Catania</i> , <sup>2</sup> <i>DAFNE Department, University of Tuscia</i>
<b>11.45-12.00</b>	<b>T0233 Transitioning to a water-sensitive paradigm through and with Sustainable Urban Drainage Systems (SuDS)? - Analysis of transformative dynamics in Linz (Austria) and Toulouse (France)</b> Marc Gimenez Maranges <sup>1</sup> , Jürgen Breuste <sup>1</sup> , Angela Hof <sup>1</sup> <sup>1</sup> <i>Paris Lodron Universität Salzburg</i>
<b>12.00-12.15</b>	<b>T0650 LIM: inovative technology for designing, building and management of Green Infrastructure Projects</b> Paulo Renato Mesquita Pellegrino <sup>1</sup> , Newton Célio Becker de Moura <sup>2</sup> , Adriana Afonso Sandre <sup>1</sup> <sup>1</sup> <i>Faculty of Architecture and Urbanism, University of São Paulo</i> <sup>2</sup> <i>Faculty of Architecture and Urbanism, Federal University of Ceara</i>
<b>12.15-12.30</b>	<b>T0545 Multi-target blue green infrastructures for urban regeneration and runoff control using a network of LID-BMPs. The case study of Naples</b> Marialuce Stanganelli <sup>1</sup> , Francesco De Paola <sup>1</sup> , Carlo Gerundo <sup>1</sup> , Pasquale Romano <sup>1</sup> <sup>1</sup> <i>Department of Civil, Architectural and Environmental Engineering, University of Naples Federico II</i>
<b>12.30-12.45</b>	<b>T0300 Estimating the Relationship of Urban Blue Infrastructure to and the Mitigation Effects on Land Surface Temperature in the Urban Environment</b> Junxiang Li <sup>1</sup> , Caiyan Wu <sup>1</sup> , Maroš Finka <sup>2</sup> , Conghe Song <sup>3</sup> <sup>1</sup> <i>East China Normal University</i> , <sup>2</sup> <i>Slovak University of Technology in Bratislava (STU)</i> , <sup>3</sup> <i>Department of Geography, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.30</b>	<p><b>Symposium 29 - Good anthropocene practices in contributing landscape ecology. Discourses and perspectives on governance process towards resilience and adaptation of complex systems</b></p> <p><b>Room: U6 - 08</b></p> <p>Session Organisers: Angela Colucci<sup>1</sup>, <sup>1</sup><i>SIEP-IALE / REsilienceLAB</i>, Emma Puerari<sup>2</sup>, <sup>2</sup><i>Department of Planning and Environment, Faculty of Spatial Sciences, University of Groningen</i>; Luca Sára Bródy<sup>3</sup>, <sup>3</sup><i>Gran Sasso Science Institute (GSSI)</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 29</b>
<b>10.45-11.00</b>	<b>T0115 Urban psychology: neuroscience, epigenetics and resilience as contributions for an ecological response to the Anthropocene</b> Marialfonsa Fontana Sartorio <sup>1</sup> <sup>1</sup> <i>Associazione qualità e formazione</i>

11.00-11.15	<b>T0322 Alignment of Social and Ecological Structures Increased the Ability of Trans-boundary River Management</b> Shuai Wang Wang <sup>1</sup> <i>Beijing Normal University</i>
11.15-11.30	<b>T0366 Institutional barriers of the adaptation process of the cities and their reactions to the climate change</b> Tereza Aubrechtová <sup>1</sup> , Jan Geletič <sup>2</sup> , Olga Halasová <sup>3</sup> , Michal Lehnert <sup>3</sup> <i>University of Ostrava, Faculty of Science, <sup>2</sup>CZECHGLOBE - Global Change Research Institute, CAS, <sup>3</sup>Palacký University Olomouc, Faculty of Physical Culture</i>
11.30-11.45	<b>T0445 Behavioural change towards sustainable and resilient communities: the role of community involvement, green co-design and gamification tools</b> Giuliana Gemini <sup>1</sup> , Silvia Pezzoli <sup>1</sup> , Alessandro Lué <sup>1</sup> , Federico Lia <sup>1</sup> <i>Poliedra - Politecnico di Milano</i>
11.45-12.00	<b>T0591 Delineation of county landscape governance units for WuSheng</b> Yaojing Zhou <sup>1</sup> , Zhifang Wang <sup>1</sup> , Sirui Wang <sup>1</sup> , Yinglu Miao <sup>1</sup> , Zhongwei Zhu <sup>1</sup> <i>School of Architecture and Landscape Design, Peking University</i>
12.00-12.15	<b>T0622 Good anthropocene practices: emerging trends and perspectives for the implementation of renovated adaptive governance models</b> Angela Colucci <sup>1</sup> <i>SIEP-IALE / RESilienceLAB / Co.O.Pe.Ra.Te. srl</i>
12.15-12.30	<b>T0722 From the past straight into the future: the Italian Commons revived as socio-ecological systems in an Ecosystem Service perspective.</b> Silvia Scozzafava <sup>1</sup> <i>Independent</i>

Friday, 5 July 2019	
10.30-12.35	<p align="center"><b>Symposium 57 - Green Infrastructure as a way to rethink Ecological Landscape Planning</b></p> <p align="center"><b>Room: U6 - 09</b></p> <p align="center">Session Organisers: Camila Sant' Anna<sup>1</sup>, <sup>1</sup>University of Brasília / University of Goiás, Maria do Carmo De Lima Bezerra<sup>2</sup>, <sup>2</sup>UnB – University of Brasília</p>
10.30-10.45	<b>Introduction to Symposium 57</b>
10.45-11.00	<b>Invited speaker</b>
11.00-11.15	<b>T0809 Species-habitat networks: A novel approach to improve agricultural landscape management for conservation</b> Lorenzo Marini <sup>1</sup> , Ignasi Bartomeus <sup>2</sup> , Francesco Lami <sup>1</sup> <i>DAFNAE, University of Padova, <sup>2</sup>Dpto. Ecologia Integrativa, Estacion Biologica de Dõnana (EBD-CSIC)</i>
11.15-11.30	<b>T0714 Ecological Landscape Planning: An applied study of the Cantareira State Park's buffer zone</b> Adriana Afonso Sandre <sup>1</sup> , Júlia Assis <sup>1</sup> , Paulo Pellegrino <sup>1</sup> <i>University of São Paulo, School of Architecture and Urbanism</i>
11.30-11.45	<b>T0261 Using an ecomimicry design approach to achieve ecologically-attuned, multifunctional urban green infrastructure</b> Caroline Nash <sup>1</sup> , Stuart Connop <sup>1</sup> <i>University of East London</i>
11.45-12.00	<b>T0565 Evaluation of the green infrastructure from UAV images, in the UnB Planaltina Campus area, Brasília, DF, Brazil</b> Rômulo Ribeiro <sup>1</sup> <i>UNiversity of Brasília</i>
12.00-12.15	<b>T0532 Defining ecological corridors for birds in urban landscapes using multipath model and landscape configuration analysis</b> Gabriela Rosa Graviola <sup>1</sup> , João Carlos Castro Pena <sup>1</sup> , Milton Cezar Ribeiro <sup>1</sup> <i>UNESP - São Paulo State University</i>
12.15-12.30	<b>T0334 Islands in the Sky: Green roofs demonstrate the problems of implementing green infrastructure without good landscape planning and ecological knowledge.</b> Heather Rumble <sup>1</sup> , Alan Gange <sup>2</sup> <i>University of Portsmouth, <sup>2</sup>Royal Holloway, University of London</i>

12.30-12.35	<b>T_0534 Mapping the cooling capacity of existing green infrastructure to support urban planning in the city of Ghent</b> Luyuan Li <sup>1</sup> , Pieter Uyttenhove <sup>1</sup> , Veerle Van Eetvelde <sup>2</sup> , Xin Cheng <sup>1</sup> <sup>1</sup> <i>Department of Architecture and urban planning, Ghent University,</i> <sup>2</sup> <i>Department of Geography, Ghent University</i>
-------------	--

Friday, 5 July 2019	
10.30-12.30	<b>Symposium 73 - Social theory and landscape ecology – Interpreting, explaining and modeling landscape management practices and decision making in the Anthropocene</b> <b>Room: U6 - 10</b> Session Organisers: AndreasAagaard Christensen <sup>1</sup> , Veerle Van Eetvelde <sup>2</sup> , AnnaHersperger <sup>3</sup> , Terry Marsden <sup>4</sup> , MatthiasBuchecker <sup>5</sup> ; <sup>1</sup> <i>University of Copenhagen, Department of Geosciences and Natural Resource Management;</i> <sup>2</sup> <i>University of Ghent, Department of Geography, Landscape Research Unit,</i> <sup>3</sup> <i>Swiss Federal Research Institute WSL, Land Change Science Research Unit;</i> <sup>4</sup> <i>Cardiff University, School of Geography and Planning;</i> <sup>5</sup> <i>Swiss Federal Research Institute WSL, Social Sciences in Landscape Research Unit</i>
10.30-10.45	<b>Introduction to Symposium 73</b>
10.45-11.00	<b>T_1018 Landscape ecological theory building in an interdisciplinary context – learning from the past towards the future</b> Veerle Van Eetvelde <sup>1</sup> <sup>1</sup> <i>Ghent University, Department of Geography</i>
11.00-11.15	<b>T0383 Inscape/Landscape Concept by P. M. Dansereau: synthesis for landscape management</b> Miloslav Lapka <sup>1</sup> <sup>1</sup> <i>Faculty of Economics, University of South Bohemia in Ceske Budejovice</i>
11.15-11.30	<b>T0433 Politics of Nature – Development of a participatory framework for water allocation, -trade and -ethics in the Western Cape Province, South Africa</b> Jakob Raffn <sup>1</sup> , Morten Graversgaard <sup>1</sup> , Tommy Dalgaard <sup>1</sup> <sup>1</sup> <i>Aarhus University - Department of Agroecology</i>
11.30-11.45	<b>T_1015 Comparative approaches to theory formulation from case study evidence - Examples from studies of decision making in European and post-colonial agricultural landscapes</b> Andreas Aagaard Christensen <sup>1</sup> <sup>1</sup> <i>University of Copenhagen</i>
11.45-12.00	<b>T0563 Deriving more generally applicable knowledge from multiple-case data: an example from strategic spatial planning processes</b> Anna M. Hersperger <sup>1</sup> , Simona R. Gradinaru <sup>2</sup> , Eduardo Oliveira <sup>3</sup> , Sofia Pagliarin <sup>4</sup> , Gaëtan Palka <sup>5</sup> <sup>1</sup> <i>Swiss Federal Research Institute WSL,</i> <sup>2</sup> <i>University of Bucharest,</i> <sup>3</sup> <i>Université catholique de Louvain,</i> <sup>4</sup> <i>Bamberg University,</i> <sup>5</sup> <i>CNRS Rennes</i>
12.00-12.15	<b>T0961 Exploring the concept of problem framing as a basis to understand actors' preparedness to implement landscape management decisions</b> Matthias Buchecker <sup>1</sup> , Raphael Gaus <sup>1</sup> <sup>1</sup> <i>Swiss Federal Research Institute WSL</i>
12.15-12.30	<b>T_1007 Explaining environmental changes in the landscape: Do we need more theory or better methodology?</b> Bradley Walters <sup>1</sup> <sup>1</sup> <i>Mount Allison University, Sackville, N.B. CANADA</i>
12.30-12.45	<b>T_1008 Unified science, landscape management, and the Viewpoint of Complementarity</b> Steen Brock <sup>1</sup> <sup>1</sup> <i>Aarhus University</i>

Friday, 5 July 2019	
10.30-12.30	<b>Session soil, vegetation and biodiversity</b>



	Room: U6 - 12
10.30-10.45	<b>T0709 Structure and dynamics of forest landscapes of the north-western Caucasus</b> Marina Petrushina <sup>1</sup> , Maxim Bocharnikov <sup>1,1</sup> <i>Lomonosov Moscow State University, Faculty of Geography</i>
10.45-11.00	<b>T0867 Assessing impact of human disturbance in shaping forest plant communities structure, productivity and diversity in highly fragmented high-Andean forests</b> Mariasole Calbi <sup>1</sup> <i>Freie Universitaet Berlin - Botanischer Garten und Botanischer Museum Berlin</i>
11.00-11.15	<b>T0238 Impacts of forest restoration on soil organic carbon and nitrogen dynamics</b> Xiaolin Dou <sup>1</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
11.15-11.30	<b>T0918 Secondary forests have functionally eroded pollinator communities and reduced plant genetic diversity</b> Urs G Kormann <sup>1</sup> , F. Andrew Jones <sup>2</sup> , Adam S. Hadley <sup>3</sup> , W. Douglas Robinson <sup>4</sup> , Matthew G. Betts <sup>3</sup> <i><sup>1</sup>Swiss Ornithological Institute Sempach, Bern University of Applied Sciences, <sup>2</sup>Department of Botany and Plant Pathology, Oregon State University, <sup>3</sup>Forest Biodiversity Research Network, Forest Ecosystems and Society, Oregon State University, <sup>4</sup>Department of Fisheries and Wildlife, Oregon State University</i>
11.30-11.45	<b>T0691 Legumes contribution to nitrogen supply in other plants and microhabitats in a green roof substrate.</b> Stuart Dick <sup>1</sup> <i>University of Portsmouth</i>
11.45-12.00	<b>T0329 Black beauty on the rocks – distribution, function and C-storage potential of Tangel humus in the Calcareous Alps</b> Michelangelo Olleck <sup>1,2</sup> , Jörg Ewald <sup>1,2</sup> <i>Hochschule Weihenstephan-Triesdorf, University of Applied Sciences</i>
12.00-12.15	<b>T0925 Grazing animals are important for distribution of plant genes in alpine summer farming landscapes and rangelands</b> Hanne Sickel <sup>1</sup> , Ellen Svalheim <sup>1</sup> <i>Norwegian Institute of Bioeconomy Research (NIBIO), Department of Landscape Monitoring</i>

Friday, 5 July 2019	
10.30-12.00	<b>Session Public Participation Introduction</b> <b>Room: U6 – 13</b>
10.30-10.45	<b>Introduction to Session Public Participation Introduction</b>
10.45-11.00	<b>T0749 Urban Green Infrastructure for Children's Ecological Learning : Design and Collaborative Management of an Urban Park in Kitakyushu City, Fukuoka, Japan.</b> Tomomi Sudo <sup>1</sup> , Keitaro Ito <sup>1</sup> , Ingunn Fjørtoft <sup>2</sup> <i>Laboratory of Environmental Design, Department of Civil Engineering, Kyushu Institute of Technology, <sup>2</sup>Faculty of Art, Fork Culture and Teacher Education, University College of South-Eastern Norway</i>
11.00-11.15	<b>T0692 Potentials and issues in involving peri-urban agricultural stakeholders to enhance landscape multifunctionality. A selection of cases from “Los_Dama!” and the Alpine metropolitan areas.</b> Alessandro Betta <sup>1</sup> , Martina Van Lierop <sup>2</sup> , Aurore Meyfroidt <sup>3</sup> <i>University of Trento - Department of Civil, Environmental and Mechanical Engineering (DICAM), <sup>2</sup>Technical University of Munich, School of Life Sciences Weihenstephan, Strategic Landscape Planning and Management, <sup>3</sup>University Grenoble Alpes, UMR PACTE</i>
11.15-11.30	<b>T0625 Landscape preferences as predictor for social acceptance of the energy turnaround. How the perceived change of landscape quality contributes to the development of sustainable energy policies.</b> Boris Salak <sup>1</sup> , Marcel Hunziker <sup>1</sup> , Felix Kienast <sup>1</sup> , Reto Spielhofer <sup>2</sup> , Ulrike Wissen <sup>2</sup> , Adrienne Grêt-Regamey <sup>2</sup> <i>Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), <sup>2</sup>ETH PLUS Zürich</i>

<b>11.30-11.45</b>	<b>T0561 Management and Perception of metropolitan Natura 2000 sites: the case study of La Mandria Park (Turin, Italy)</b> Federica Larcher <sup>1</sup> , Luca Battisti <sup>1</sup> <sup>1</sup> <i>Department of Agricultural, Forest and Food Sciences, University of Turin</i>
<b>11.45-12.00</b>	<b>T0191 Co-producing urban meadows as a nature-based solution: Land manager perceptions of the opportunities and challenges.</b> Helen Hoyle <sup>1</sup> , Anna Jorgensen <sup>2</sup> , Philip Warren <sup>3</sup> , Nigel Dunnett <sup>2</sup> , Karl Evans <sup>3</sup> <sup>1</sup> <i>Centre for Sustainable Planning and Environments, UWE Bristol</i> , <sup>2</sup> <i>Department of Landscape, University of Sheffield</i> , <sup>3</sup> <i>Department of Animal and Plant Sciences, University of Sheffield</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.15</b>	<b>Session Remote sensing</b> <b>Room: U6 – 1A</b>
<b>10.30-10.45</b>	<b>T0228 Landscape patterns of forest types using object-based classification method based on GF-1 remote sensing data in the Qinling Mountains, China</b> Xuehua Liu <sup>1</sup> , Wanlong Sun <sup>1</sup> <sup>1</sup> <i>Tsinghua University</i>
<b>10.45-11.00</b>	<b>T0764 Anthropogenic gap dynamics in forest landscapes of Northeastern Europe during recent history</b> Urmas Peterson <sup>1</sup> , Jaan Liira <sup>2</sup> <sup>1</sup> <i>Department of Remote Sensing, Tartu Observatory of University of Tartu</i> , <sup>2</sup> <i>Department of Botany, Institute of Ecology and Plant Sciences, Faculty of Science and Technology, University of Tartu</i>
<b>11.00-11.15</b>	<b>T0189 Remote sensing data for the assessment of condition dynamics of river basins vegetation cover in European Russia</b> Natalia Mishchenko <sup>1</sup> , Tatiana Trifonova <sup>2</sup> , Natalia Mishchenko <sup>1</sup> , Oleg Savelyev <sup>1</sup> <sup>1</sup> <i>Vladimir State University</i> , <sup>2</sup> <i>Lomonosov Moscow State University and Vladimir State University</i>
<b>11.15-11.30</b>	<b>T0916 Modeling landscape patterns presented by the coastal ridge landforms in the lake basins of arid regions</b> Timur Gonikov <sup>1</sup> <sup>1</sup> <i>Lomonosov Moscow State University / Faculty of Geography</i>
<b>11.30-11.45</b>	<b>T0449 3-D beach metrics: an instrument to inform resilience on Mediterranean beaches.</b> Jose Lascurain <sup>1</sup> <sup>1</sup> <i>SGM sl</i>
<b>11.45-12.00</b>	<b>T0636 Thermal fields invariants in the southern taiga landscape using Landsat images</b> Anastasia Baibar <sup>1</sup> , Robert Sandlersky <sup>2</sup> <sup>1</sup> <i>Lomonosov Moscow State University</i> , <sup>2</sup> <i>A.N. Severtsov Institute of Ecology and Evolution RAS</i>
<b>12.00-12.15</b>	<b>T_0791 Investigating the patterns of recurrent fires in highly urbanized Mediterranean landscapes</b> Vincenzo Giannico <sup>1</sup> , Mario Elia <sup>1</sup> , Giuseppina Spano <sup>1</sup> , Raffaele Laforteza <sup>1</sup> , Giovanni Sanesi <sup>1</sup> <sup>1</sup> <i>Università degli Studi di Bari Aldo Moro</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.30</b>	<b>Symposium 35 - Planning and design for sustainable and healthy cities: mainstreaming urban ecological measures beyond demonstration projects</b> <b>Room: U6 – 1B</b> Session Organisers: Ina Saumel <sup>1</sup> , <sup>1</sup> <i>Humboldt Universität zu Berlin, IRITHESys</i> , Federica Larcher <sup>2</sup> , <sup>2</sup> <i>University of Turin, Dept. Agricultural, forest and food sciences</i>

<b>10.30-10.45</b>	<b>Introduction to Symposium 35</b>
<b>10.45-11.00</b>	<b>T0224 Agenda for Urban Farmland Conservation and Green Infrastructure Development in a Sprawled Suburban City in Tokyo, Japan</b> Akito Murayama <sup>1</sup> , Akiko Iida <sup>1</sup> <sup>1</sup> <i>Associate Professor, Department of Urban Engineering, School of Engineering, The University of Tokyo</i>
<b>11.00-11.15</b>	<b>T0400 Ecosystem services spillovers from trees could reduce or increase urban heat inequities depending on the spatial patterns of residential segregation. A case study from Santiago de Chile.</b> Ignacio C. Fernández <sup>1</sup> <sup>1</sup> <i>Centro de Modelación y Monitoreo de Ecosistemas, Universidad Mayor</i>
<b>11.15-11.30</b>	<b>T0515 Urban community foodsheds in Tokyo Metropolis</b> Akiko Iida <sup>1</sup> , Kai Kurimoto <sup>1</sup> , Kazuki Kuse <sup>1</sup> , David Mason <sup>1</sup> , Takahiro Yamazaki <sup>1</sup> , Makoto Yokohari <sup>1</sup> <sup>1</sup> <i>Department of Urban Engineering, Graduate School of Engineering, The University of Tokyo</i>
<b>11.30-11.45</b>	<b>T0564 Residential Greenery and Human Well-being: the Case Study of Berlin</b> Luca Battisti <sup>1</sup> , Lauranne Pille <sup>2</sup> , Thomas Wachtel <sup>2</sup> , Federica Larcher <sup>1</sup> , Ina Säumel <sup>2</sup> <sup>1</sup> <i>University of Turin, <sup>2</sup>Integrative Research Institute THESys Transformation of Human-Environment-Systems Humboldt-Universität zu Berlin</i>
<b>11.45-12.00</b>	<b>T0593 Validating users' preferences for accessibility to green spaces in cities: a planning framework to increase cultural services</b> Chika Takatori <sup>1</sup> , Daniele La Rosa <sup>2</sup> <sup>1</sup> <i>Graduate School of Environmental Studies, Nagoya University, <sup>2</sup>Department Civil Engineering and Architecture, University of Catania</i>
<b>12.00-12.15</b>	<b>T0741 What have we learned from nature restoration and collaborative ecological landscape design in urban area in Japan?</b> Keitaro Ito <sup>1</sup> , Tomomi Sudo <sup>1</sup> <sup>1</sup> <i>Lab. Environmental Design, Kyushu Institute of Technology, Japanese National University Corporation</i>
<b>12.15-12.30</b>	<b>T0777 Transformation towards Water Sensitive Communities: Experiences from Water Scarce Cities</b> Zeina El Zein <sup>1</sup> <sup>1</sup> <i>IRI THESys - Humboldt University</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.30</b>	<b>Symposium 07 - Anthropocene or Urbanocene? The need of a new theory of global sustainability, including urban metabolism</b> <b>Room: U6 – 1C</b> Session Organisers: Massimo Palme <sup>1</sup> , Luis Inostroza <sup>2</sup> , Daniele La Rosa <sup>3</sup> <sup>1</sup> <i>Universidad Católica del Norte, <sup>2</sup>Ruhr Universitat Bochum, <sup>3</sup>Università di Catania</i>
<b>10.30-10.45</b>	<b>Introduction to Symposium 07</b>
<b>10.45-11.00</b>	<b>T0864 Anthropocene, urbanocene, capitalocene</b> Massimo Palme <sup>1</sup> <sup>1</sup> <i>Universidad Católica del Norte</i>
<b>11.00-11.15</b>	<b>T0917 Anthropocene, its 40 alternatives and planetary urbanization – considering the urbanocene proposition</b> Franciszek Chwalczyk <sup>1</sup> <sup>1</sup> <i>Adam Mickiewicz University in Poznan, Faculty of Social Sciences</i>
<b>11.15-11.30</b>	<b>T0090 Port-City interface: the water-front area in Haifa as an ecosystem between the mountain, the port and the city</b> Noa Benvenisty <sup>1</sup> , Elena Bougleux <sup>1</sup> <sup>1</sup> <i>University of Bergamo</i>
<b>11.30-11.45</b>	<b>T0771 Constructed wetlands How close can be industrial sites and protected areas: the case study of Pialassa Piomboni in Ravenna Constructed wetlands produced by excavation mud in commercial docks</b> Vittoria Mencarini <sup>1</sup> , Luca Emanuelli <sup>1</sup> , Gianni Lobosco <sup>1</sup> , Massimo Tondello <sup>1</sup> <sup>1</sup> <i>University of Ferrara, Department of Architecture - International Research Doctorate in Architecture and Urban Planning</i>
<b>11.45-12.00</b>	<b>T0595 Anatomy of a Mutating Landscape</b> Giovanni Santamaria <sup>1</sup> <sup>1</sup> <i>New York Institute of Technology- School of Architecture and Design</i>

<b>12.00-12.15</b>	<b>T0686 A Green Infrastructure and urban metabolism strategy for urban retrofitting</b> Daniele La Rosa <sup>1</sup> , Riccardo Privitera <sup>1</sup> <sup>1</sup> <i>University of Catania</i>
<b>12.15-12.30</b>	<b>T0513 Public spaces and common scapes. Five questions in [scalar] transition.</b> Carola Clemente <sup>1</sup> , Marilisa Cellurale <sup>1</sup> , Michele Bianchi <sup>1</sup> <sup>1</sup> <i>Sapienza, University of Rome</i>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.15</b>	<p><b>Symposium 27 - Working with Natural Processes: Co-benefits at the Landscape Scale</b></p> <p><b>Room: U6 – 1D</b></p> <p>Session Organisers: Jessica Neumann<sup>1</sup>, Chris Short<sup>2</sup>, Emma Shuttleworth<sup>3</sup>,<sup>1</sup><i>University of Reading / International Association for Landscape Ecology UK Chapter (ialeUK)</i>,<sup>2</sup><i>CCRI, University of Gloucester</i>,<sup>3</sup><i>University of Manchester</i></p>
<b>10.30-10.45</b>	<p><b>T0499 Green infrastructure planning for reduction of flood risks and improvement of ecosystem viability within lowland river landscapes in Latvia and Lithuania</b></p> <p>Anda Ruskule<sup>1</sup>, Ivo Vinogradovs<sup>2</sup>, Anita Zariņa<sup>2</sup>, Dana Prižavoite<sup>1</sup>, Kristina Veidemane<sup>1</sup>,<sup>1</sup><i>Baltic Environmental Forum – Latvia</i>,<sup>2</sup><i>University of Latvia</i></p>
<b>10.45-11.00</b>	<p><b>T0453 A multi-criteria approach for the Nature-Based Solutions (NBSs) assessment. The case-study of the Isar River (DE)</b></p> <p>Francesco Pugliese<sup>1</sup>, Gerardo Caroppi<sup>1</sup>, Francesco De Paola<sup>1</sup>, Aude Zingraff-Hamed<sup>2</sup>, Jerd Lupp<sup>2</sup>, Maria Luce Stanganelli<sup>1</sup>, Maurizio Giugni<sup>1</sup><sup>1</sup><i>University of Naples Federico II, Department of Civil, Architectural and Environmental Engineering</i>,<sup>2</sup><i>Technical University of Munich, Chair for Strategic Landscape Planning and Management</i></p>
<b>11.00-11.15</b>	<p><b>T0851 Exploring the acceptability and feasibility of different Natural Flood Management measures in the West Thames, UK, and the evidence needed to support decision-making.</b></p> <p>Angie Elwin<sup>1</sup><sup>1</sup><i>University of Reading</i></p>
<b>11.15-11.30</b>	<p><b>T0833 Delivering Natural Flood Risk Management through restoration of upland peatlands – evidence from landscape scale restoration in the southern Pennines, UK</b></p> <p>Martin Evans<sup>1</sup>, Emma Shuttleworth<sup>1</sup>, Tim Allott<sup>1</sup>, Martin Kay<sup>1</sup>, David Milledge<sup>2</sup>, Joseph Holden<sup>3</sup><sup>1</sup><i>University of Manchester</i>,<sup>2</sup><i>Newcastle University</i>,<sup>3</sup><i>University of Leeds</i></p>
<b>11.30-11.45</b>	<p><b>T0282 Sustainable development through Eco-DRR and WWNP in Aso region, Kyushu, Japan</b></p> <p>Tomohiro Ichinose<sup>1</sup><sup>1</sup><i>Keio University</i></p>
<b>11.45-12.00</b>	<p><b>T0048 Reduction of flood and sediment disaster risk using traditional knowledge of satoyama landscape on the west side of Lake Biwa, Japan</b></p> <p>Katsue Fukamachi<sup>1</sup>,<sup>1</sup><i>Kyoto University</i></p>
<b>12.00-12.15</b>	<b>Symposium 27 final discussion</b>

<b>Friday, 5 July 2019</b>	
<b>10.30-12.45</b>	<p><b>Symposium 32 - Past, present, and future resilience of forest landscapes: Unpacking effects of multi-scale climate change</b></p> <p><b>Room: U6 – 1E</b></p> <p>Session Organisers: Rupert Seidl<sup>1</sup>, Winslow D. Hansen<sup>2</sup><sup>1</sup><i>University of Natural Resources and Life Sciences (BOKU) Vienna</i>,<sup>2</sup><i>Columbia University</i></p>
<b>10.30-10.45</b>	<b>Introduction to Symposium 32</b>

<b>10.45-11.00</b>	<b>T0276 Forest resilience to climate change: An investigation across scales</b> Rupert Seidl <sup>1</sup> , <sup>1</sup> University of Natural Resources and Life Sciences (BOKU) Vienna
<b>11.00-11.15</b>	<b>T0597 Multiscale climate change impacts on the Amazon rainforest</b> Anja Rammig <sup>1</sup> , Katrin Fleischer <sup>1</sup> , Christian Zang <sup>1</sup> , Delphine Clara Zemp <sup>2</sup> , Carlos Quesada <sup>3</sup> <sup>1</sup> Technical University of Munich, <sup>2</sup> University of Goettingen <sup>3</sup> National Institute for Amazonian Research (INPA)
<b>11.15-11.30</b>	<b>T0488 Variability is more important than the mean: sensitivity of vegetation to rainfall in seasonally dry tropical forests</b> Naomi Schwartz <sup>1</sup> , Jennifer Powers <sup>2</sup> , Xue Feng <sup>2</sup> <sup>1</sup> Department of Geogaphy, University of British Columbia, <sup>2</sup> University of Minnesota
<b>11.30-11.45</b>	<b>T0500 Evaluating savanna-forest stability from temporal trajectories of change</b> Carla Staver <sup>1</sup> , Casey Ryan <sup>2</sup> , Sam Bowers <sup>2</sup> <sup>1</sup> Yale University, <sup>2</sup> University of Edinburgh
<b>11.45-12.00</b>	<b>T0098 Topographic complexity increases the climate resilience of mountain forests</b> Katharina Albrich <sup>1</sup> , Werner Rammer <sup>1</sup> , Rupert Seidl <sup>1</sup> <sup>1</sup> Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna
<b>12.00-12.15</b>	<b>T0522 Ecological constraints on the pace of upslope range shifts by subalpine forests with warming</b> Lara Kueppers <sup>1</sup> <sup>1</sup> University of California, Berkeley
<b>12.15-12.30</b>	<b>T0660 Scale-dependent changes in the structure of naturally dynamic old-growth boreal forests on two continents</b> Niko Kulha <sup>1</sup> , Leena Pasanen <sup>2</sup> , Lasse Holmström <sup>2</sup> , Louis De Grandpré <sup>3</sup> , Sylvie Gauthier <sup>3</sup> , Timo Kuuluvainen <sup>1</sup> <sup>1</sup> Department of Forest Sciences, University of Helsinki, <sup>2</sup> Research Unit of Mathematical Sciences, University of Oulu, <sup>3</sup> Laurentian Forestry Center, Canadian Forest Service
<b>12.30-12.45</b>	<b>T0347 Effects of climate variability on the resilience of tropical, temperate, and boreal forest landscapes</b> Winslow Hansen <sup>1</sup> , Rupert Seidl <sup>2</sup> <sup>1</sup> Columbia University, <sup>2</sup> University of Natural Resources and Life Sciences (BOKU)

<b>Friday, 5 July 2019</b>	
<b>10.30-12.45</b>	<b>Session Dynamic and Disturbance</b> <b>Room: U6 – 1F</b>
<b>10.30-10.45</b>	<b>T0871 Ecosystem changes induced by Robinia pseudoacacia: results from invaded landscapes in the Veneto Region</b> Thomas Campagnaro <sup>1</sup> , Simone Iacopino <sup>1</sup> , Flora Giulia Simonelli <sup>1</sup> , Tommaso Sitzia <sup>1</sup> <sup>1</sup> Dept. of Land, Environment, Agriculture and Forestry - Università degli Studi di Padova
<b>10.45-11.00</b>	<b>T0742 The effect of the invasive species Buddleja davidii on plant–pollinator networks is mediated by honeybee abundance</b> Daria Corcos <sup>1</sup> <sup>1</sup> DAFNAE, University of Padova, Viale dell'Università 16, 35020 Legnaro (Padua), Italy
<b>11.00-11.15</b>	<b>T_2222 Integrating vegetation suitability into the ecological restoration in the LoessPlateau, China</b> Cong Wang <sup>1</sup> <sup>1</sup> Research Center for Eco-environmental Sciences, Chinese Academy of Sciences
<b>11.15-11.30</b>	<b>T_9003 Amazon deforestation drives malaria transmission, and malaria burden reduces forest clearing</b> Andrew MacDonald <sup>1</sup> , Erin Mordecai <sup>2</sup> <sup>1</sup> Earth Research Institute, University of California, Santa Barbara, <sup>2</sup> Department of Biology, Stanford University
<b>11.30-11.45</b>	<b>T0628 Transboundary Climate Adaptation Strategies Are Needed For East Asian Temperate Forests.</b> Hyeyeong Choe <sup>1</sup> , James Thorne <sup>2</sup> <sup>1</sup> Kangwon National University, <sup>2</sup> University of California Davis
<b>11.45-12.00</b>	<b>T0795 Responses of Spring Phenology to Preseason Warming and Temperature Sensitivity Changes in High Latitudes of China</b> Yue Yang <sup>1</sup> , Haibo Du <sup>2</sup> , Hong S. He <sup>3</sup> , Shengwei Zong <sup>2</sup> , Zhengfang Wu <sup>2</sup> , Mai-He Li <sup>4</sup> <sup>1</sup> Northeast Normal University, Changchun, China, <sup>2</sup> School of Geographical Sciences, Northeast Normal University,

	130024, Changchun, China, <sup>3</sup> School of Natural Resources, University of Missouri, Columbia, MO, USA, <sup>4</sup> Forest Dynamics, Swiss Federal Research Institute WSL, Birmensdorf, Switzerland
<b>12.00-12.15</b>	<b>T0844 Urbanization and black locust dominance effects on understory plant biodiversity in three European cities compared</b> Simone Iacopino <sup>1</sup> , Sabina Burrascano <sup>2</sup> , Cecilia Bacchetti <sup>3</sup> , Giovanni Trentanovi <sup>1</sup> , Tommaso Sitzia <sup>1</sup> <sup>1</sup> Università degli Studi di Padova, Dipartimento Territorio e Sistemi Agro-forestali, <sup>2</sup> Sapienza Università di Roma, Dipartimento di Biologia Ambientale, <sup>3</sup> Regione Lazio
<b>12.15-12.30</b>	<b>T0292 Landscape Approach Methodology for Islands Environmental Monitoring</b> Artem Kudriavtcev <sup>1</sup> <sup>1</sup> Pacific International Landscape Center Far East Federal University
<b>12.30-12.45</b>	<b>T0211 Does land use change influence human well-being and development in the Amazon's agriculture frontier?</b> Andrea Santos Garcia <sup>1</sup> , Paul C. West <sup>2</sup> , James S. Gerber <sup>2</sup> , Maria Victoria R. Ballester <sup>1</sup> <sup>1</sup> Environmental analysis and Geoprocessing Lab, Centre for Nuclear Energy in Agriculture, University of São Paulo, <sup>2</sup> Global Landscapes Initiative, Institute on the Environment, University of Minnesota

Friday, 5 July 2019	
<b>14.00-14.55</b>	<b>Symposium 20 - Challenges of Arid and Semi-Arid Landscapes in the Anthropocene: Searching for New approaches for Adaptation, Conservation, Planning and Management</b> <b>Room: Aula Magna</b> Session Organisers: Sima Fakheran, Vice President of IALE-International, President of IALE-Iran; Wenjiang Liu, <sup>2</sup> Executive Deputy Director of Research Center for Ecology and Environment of Central Asia (RCEECA), the Chinese Academy of Sciences (CAS); Xi Chen, <sup>3</sup> Vice President, Xinjiang Branch of Chinese Academy of Sciences (CAS), Director of Research Center for Ecology and Environment of Central Asia, CAS; Josef Senn, Scientific staff member, Swiss Federal Research Institute WSL
<b>14.00-14.15</b>	<b>T0571 A rapid method for quantifying landscape-scale vegetation disturbances by surface coal mining in arid and semiarid regions</b> Qun Ma <sup>1</sup> , Chunyang He <sup>2</sup> , Xuening Fang <sup>2</sup> <sup>1</sup> Shanghai Normal University, <sup>2</sup> Beijing Normal University)
<b>14.15-14.30</b>	<b>T0600 The impact of historic land-clearing on the fire-response of an endangered bird species</b> Simon J Verdon <sup>1</sup> , Michael F Clarke <sup>1</sup> , Simon J Watson <sup>1</sup> <sup>1</sup> La Trobe University
<b>14.30-14.35</b>	<b>T0618 Valuation of tradeoffs between agricultural production and ecosystem services for adaptive water resources management in the Heihe River Basin</b> XiangzhengDeng <sup>1</sup> , Zhihui Li <sup>1</sup> <sup>1</sup> Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences
<b>14.35-14.40</b>	<b>T0632 Development of a system of systems framework to better understanding feedback loops and multi-scale interactions in social-ecological systems in Sub-Saharan Africa</b> Martin Schultze <sup>1</sup> , Christine Fürst <sup>1</sup> <sup>1</sup> Institute of Geosciences and Geography/ Martin-Luther University Halle-Wittenberg

Friday, 5 July 2019



14.00-15.15	<p align="center"><b>Symposium 47 - Biophysical Methods for the Quantification, Mapping and Assessment of Ecosystem Services</b></p> <p align="center"><b>Room: U6 - 03</b></p> <p align="center">Session Organisers: Bastian Steinhoff-Knopp<sup>1</sup>, Benjamin Burkhard<sup>1,1</sup><i>Leibniz Universität Hannover</i></p>
14.00-14.15	<p><b>T0443 Ecosystem services of German landscapes</b>  Karsten Grunewald<sup>1</sup>, Ralf-Uwe Syrbe<sup>2</sup>, Ulrich Walz<sup>3</sup>, Sophie Meier<sup>2</sup>, Burkhard Schweppe-Kraft<sup>4,1</sup><i>Leibniz Institute of Ecological Urban and Regional Development, <sup>2</sup>IOER, <sup>3</sup>HTW Dresde, <sup>4</sup>BfN</i></p>
14.15-14.30	<p><b>T0504 A cumulative indicator for mapping recreational ecosystem services supply and demand in Germany.</b>  Johannes Hermes<sup>1</sup>, Christian Albert<sup>1</sup>, Christina von Haaren<sup>1,1</sup><i>Leibniz University Hannover, Institute of Environmental Planning</i></p>
14.30-14.45	<p><b>T0613 Lowland riparian hardwood forests – regulating services of the European remnants</b>  Andrzej Affek<sup>1</sup>, Anna Kowalska<sup>1</sup>, Ewa Kołaczowska<sup>1</sup>, Bogusława Kruczkowska<sup>2</sup>, Edyta Regulska<sup>1</sup>, Jacek Wolski<sup>1,1</sup><i>Institute of Geography and Spatial Organization, Polish Academy of Sciences, <sup>2</sup>Faculty of Agriculture and Biology, Warsaw University of Life Sciences</i></p>
14.45-15.00	<p><b>T0664 Identification of hotspots and bundles of forest ecosystem services in Europe</b>  Francesco Orsi<sup>1</sup>, Davide Geneletti<sup>1,1</sup><i>University of Trento</i></p>
15.00-15.15	<p><b>T0822 Impacts of forest management on ecosystem services: reliable projections require fine-scale information on landscape characteristics</b>  Anu Akujärvi<sup>1</sup>, Anna Repo<sup>1</sup>, Altti Akujärvi<sup>2</sup>, Aleksi Lehtonen<sup>3</sup>, Jari Liski<sup>1,1</sup><i>Finnish Environment Institute, <sup>2</sup>VTT Technical Research Centre of Finland, <sup>3</sup>Natural Resources Institute Finland</i></p>

Friday, 5 July 2019	
14.00-14.15	<p align="center"><b>Symposium 43 – Planning with nature for sustainable landscape development: lessons learned from around the world</b></p> <p align="center"><b>Room: U6 – 04</b></p> <p align="center">Session Organisers: Christian Albert, <i>Leibniz University Hannover, Institute of Environmental Planning;</i>  Zhifang Wang, <i>College of Architecture and Landscape Architecture, Peking University</i></p>
14.00-14.15	<p><b>T0158 The adoption of an Ecosystem services based approach for green infrastructure design: practical insights from the case study of Rescaldina Municipality (Milan Metropolitan city, Italy)</b>  Silvia Ronchi<sup>1</sup>, Andrea Arcidiacono<sup>1</sup>, Laura Pogliani<sup>1,1</sup><i>Politecnico di Milano – Department of Architecture and Urban Studies (INRA), <sup>2</sup>Agroécologie-Plateforme GenoSol, BP 86510, F-21000 Dijon, France, <sup>3</sup>Femto-ST Institute, Univ. Bourgogne Franche-Comté/CNRS Besançon – France, <sup>4</sup>IRD, Sorbonne Université, UMMISCO, F 93143, Bondy, France</i></p>

Friday, 5 July 2019	
14.00-15.00	

	<p><b>Symposium 38 - 3-D landscape metrics and visualization techniques - applications in spatial planning, environmental assessment and participatory decision processes</b></p> <p><b>Room: U6 - 06</b></p> <p>Session Organisers: Christine Fürst, <i>Martin Luther University Halle-Wittenberg, Inst. Geosciences and Geography, Dept. Sustainable Landscape Development</i>; Mihai Stupariu, <i>University of Bucharest, Department of Computer Science</i>; Ileana Stupariu, <i>University of Bucharest, Department of Regional Geography and Environment</i></p>
14.00-14.15	<p><b>T0073 Integrating the three-dimensional pattern metrics and circuitry-theory to develop the greenspace ecological networks</b></p> <p>Fanhua Kong<sup>1</sup>, Fan Fei<sup>2</sup>, Jiayu Chen<sup>1</sup>, Haiwei Yiin<sup>2,1</sup> <i>International Institute for Earth System Science (ESSI), Nanjing University</i>, <sup>2</sup><i>School of Architecture and Urban Planning, Nanjing University</i></p>
14.15-14.30	<p><b>T0325 Topographic controls over soil-vegetation relationships in the Southern Urals, Russia under climatic changes</b></p> <p>Alexander Khoroshev<sup>1</sup>, Darya Sharova<sup>1</sup>, Glafira Leonova<sup>1,1</sup> <i>Lomonosov Moscow State University, Faculty of Geography</i></p>
14.30-14.45	<p><b>T0943 Innovative design and inventory technologies in historical urban complex on the example of terraced of terraced landscape in a UNESCO protected area.</b></p> <p>Dagmara Pasinska<sup>1</sup>, Wojciech Rydlewicz<sup>2,1</sup> <i>Institute of Architecture and Urban Planning, Technical University of Lodz</i>, <sup>2</sup><i>Softdesk Systems Centre</i></p>
14.45-14.50	<p><b>T0629 Analyzing urban thermal environment corresponding to the 3D urban spatial pattern</b></p> <p>Fanhua Kong<sup>1</sup>, Jiayu Chen<sup>1</sup>, Haiwei Yiin<sup>2,1</sup> <i>International Institute for Earth System Science (ESSI), Nanjing University</i>, <sup>2</sup><i>School of Architecture and Urban Planning, Nanjing University</i></p>
14.45-14.50	<p><b>T0763 Three-dimensional Point Cloud Data Based Eye-level Urban Greenery Assessment and Greening Simulation Model</b></p> <p>Han Kyul Heo<sup>1</sup>, Dong Kun Lee<sup>1</sup>, Yoon-hee Jeung<sup>2</sup>, Ho Gul Kim<sup>3,1</sup> <i>Seoul National University</i>, <sup>2</sup><i>Research Institute for Gangwon</i>, <sup>3</sup><i>Cheongju University</i></p>
14.50-15.00	<b>Conclusion</b>

Friday, 5 July 2019	
14.00-14.45	<p><b>Symposium 41 - Ecology, water and the city: strengthening water-sensitive planning with Nature-Based Solutions in urban contexts</b></p> <p><b>Room: U6 - 07</b></p> <p>Session Organisers: Daniele La Rosa, <i>University of Catania, Department of Civil Engineering and Architecture</i>; Raffaele Pelorosso, <i>Tuscia University</i></p>
14.00-14.15	<p><b>T0147 Watersigns. Memories of water and urban design strategies</b></p> <p>Sebastiano D'Urso<sup>1,1</sup> <i>Department of Civil Engineering and Architecture. University of Catania</i></p>
14.15-14.30	<p><b>T0852 Mapping Water</b></p> <p>Gioia Gibelli<sup>1</sup>, Luca Dorbolò<sup>1</sup>, Viola Maria Dosi<sup>1</sup>, Caterina Selva<sup>1,1</sup> <i>STUDIO Gioia Gibelli</i></p>
14.30-14.45	<p><b>T0297 The research on the application of water sensitive urban design in sponge city construction of China</b></p> <p>Zhufang Wang<sup>1</sup>, Yinjiang Zhang<sup>1,1</sup> <i>Shanghai Ocean University</i></p>

## Friday, 5 July 2019

14.00-15.20	<p style="text-align: center;"><b>Symposium 35 - Planning and design for sustainable and healthy cities: mainstreaming urban ecological measures beyond demonstration projects</b></p> <p style="text-align: center;"><b>Room: U6 – 1B</b></p> <p style="text-align: center;">Session Organisers: Ina Saumel<sup>1</sup>, <sup>1</sup>Humboldt Universität zu Berlin, IRITHESys, Federica Larcher<sup>2</sup>, <sup>2</sup>University of Turin, Dept. Agricultural, forest and food sciences</p>
14.00-14.15	<p><b>T0800 Dynamic planning of adaptation technologies across sectors using multi-objective optimization for Suwon-city</b></p> <p>Jung Hee Hyun<sup>1</sup>, Dong Kun Lee<sup>1</sup>, Chae Yeon Park<sup>1</sup> <sup>1</sup>Seoul National University, Interdisciplinary Program in Landscape Architecture</p>
14.15-14.30	<p><b>T0667 Creative tensions in City Teams: Bringing together conflictious stakeholder for successful urban transformation</b></p> <p>Reddy Suhana Elisabeth Humboldt Universität zu Berlin, IRITHESys</p>
14.30-14.45	<p><b>T0065 Opportunities and Challenges of Forest Landscape Restoration (FLR) in Latin America and the Caribbean</b></p> <p>James McBreen<sup>1</sup> <sup>1</sup>International Union for Conservation of Nature (IUCN)</p>
14.45-14.50	<p><b>T0020 Spatial interaction between urbanization and ecosystem services: a case study of the Changsha-Zhuzhou-Xiangtan urban agglomeration in China</b></p> <p>Xiao Ouyang<sup>1</sup> <sup>1</sup>hunan normal university</p>
	<p><del><b>T0060 Strategic Urban Ecosystem Planning in a Changing Climate: Growing the Resilient Urban Forest Today for the Sustainable and Healthy City of Tomorrow</b></del></p> <p><del>Naomi Zürcher<sup>1-4</sup> <sup>1</sup>Arbor Aegis / European Forum on Urban Forestry</del></p>
14.50-15.00	<p><b>T0665 Residential Greenery - The Sleepy Giant of Urban Green Space, Thomas Wachtel Humboldt Universität Berlin</b></p>
15.00-15.05	<p><b>T0212 The Rieselfeld district in Freiburg: promoting sustainable urbanisation and resilience leveraging on green blue infrastructure</b></p> <p>Maria-Beatrice Andreucci<sup>1</sup> <sup>1</sup>Sapienza University of Rome, Planning Design Technology of Architecture Department</p>
	<p><del><b>T0339 Potential of new urban greenery areas in the context of present and future global challenges.</b></del></p> <p><del>Ingrid Belčáková<sup>1</sup>, Martina Slámová<sup>2-4</sup> <sup>1</sup>Technical University in Zvolen, Faculty of Ecology and Environmental Sciences, Dpt. of UNESCO for Sustainable Development and Ecological Awareness, <sup>2</sup>Technical University in Zvolen, Faculty of Ecology and Environmental Sciences, Dpt. of Landscape Planning and Design</del></p>
15.05-15.10	<p><b>T0440 Urban farming, productive green space, local food system, community foodshed, Tokyo</b></p> <p>Jan Macháč<sup>1</sup>, Jan Brabec<sup>1</sup>, Petr Meyer<sup>2</sup>, Jiří Louda<sup>1</sup> <sup>1</sup>J. E. Purkyne University in Usti nad Labem, Czech Republic, Institute for Economic and Environmental Policy, <sup>2</sup>J. E. Purkyne University in Usti nad Labem, Czech Republic, Faculty of Science</p>
15.10-15.15	<p><b>T0498 Assessment of the structural connectivity of green spaces to identify stepping stones for garden city development of Quezon City, Philippines</b></p> <p>Aicel Mae Alvarez<sup>1</sup>, Nappy Navarra<sup>1</sup> <sup>1</sup>College of Architecture, University of the Philippines</p>
15.15-15.20	<p><b>T0616 An innovative approach to Floating Islands as multifunctional devices for ecosystem services provision</b></p> <p>Cleandho M. de Souza<sup>1</sup>, Paulo Renato Mesquita Pellegrino<sup>1</sup> <sup>1</sup>University of Sao Paulo</p>

**Friday, 5 July 2019**

<b>14.00-14.30</b>	<p><b>Symposium 07 - Anthropocene or Urbanocene? The need of a new theory of global sustainability, including urban metabolism</b></p> <p><b>Room: U6 – 1C</b></p> <p>Session Organisers: Massimo Palme<sup>1</sup>, Luis Inostroza<sup>2</sup>, Daniele La Rosa<sup>3</sup><sup>1</sup><i>Universidad Católica del Norte</i>, <sup>2</sup><i>Ruhr Universitat Bochum</i>, <sup>3</sup><i>Università di Catania</i></p>
<b>14.00-14.15</b>	<p><b>T_0952 Urban microclimate and overheating in urban canyons in Valparaíso, Chile</b></p> <p>Claudio Carrasco<sup>1</sup>, Massimo Palme<sup>2</sup><sup>1</sup><i>Facultad de Ingeniería, Universidad de Valparaíso</i>, <sup>2</sup><i>Escuela de Arquitectura, Universidad Católica del Norte</i></p>
<b>14-15.14.30</b>	<p><b>T_1005 Fatbergers: material ecologies, it's matter and the complexities of waste</b></p> <p>Rosalea Monacella<sup>1</sup><sup>1</sup><i>Harvard University</i></p>

**Friday, 5 July 2019**

<b>15:30 – 16:00</b>	<p><b>CONGRESS CLOSING</b></p> <p><b>Room: Aula Magna</b></p>
--------------------------	---



**sustainability**

an Open Access Journal by MDPI



#### **Editor-in-Chief**

Prof. Dr. Marc A. Rosen

#### **Section Editor-in-chief**

Prof. Dr. Vincenzo Torretta

Prof. Dr. Helmut Haberl

Prof. Dr. Giuseppe Ioppolo

Prof. Dr. Tomonobu Senjyu

Dr. Tan Yigitcanlar

Prof. Dr. Iain Gordon

Prof. Dr. Manfred Max Bergman

Dr. Derek J. McPhee

Prof. Dr. Kerry Shephard

#### **Message from the Editor-in-Chief**

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities

#### **Aims and Scope**

Our aim is to encourage scientists to publish their experimental and theoretical research relating to natural sciences, social sciences and humanities in as much detail as possible, in order to promote scientific predictions and impact assessments of global change and development.

#### **Subject Areas**

Defining, quantifying, measuring and monitoring sustainability

Sustainable utilization of resources such as land, water, atmosphere and other biological resources

Effects of global climate change on development and sustainability

Sustainable chemistry

Health-related aspects of sustainability

Developments in cultural diversity, tradition, social systems, globalization, immigration and settlement, and their impact on cultural or social sustainability

System analysis methods, including life cycle assessment and management

Education and awareness of sustainability

Policies and laws relating to sustainability

#### **Editorial Office**

*Sustainability* Editorial Office

sustainability@mdpi.com

MDPI, St. Alban-Anlage 66

4052 Basel, Switzerland

Tel: +41 61 683 77 34

Fax: +41 61 302 89 18

www.mdpi.com

mdpi.com/journal/sustainability



*climate*

an Open Access Journal by MDPI



### Editor-in-Chief

Prof. Dr. Gordon Huang

### Message from the Editor-in-Chief

*Climate* (ISSN 2225-1154) invites you to submit research and review articles, new direction papers, and short communications relevant to climate on all scales. *Climate* was established in 2013 to rapidly publish research results on all aspects of interdisciplinary climate research and has been indexed in the Emerging Sources Citation Index. It has received significant attention and recognition in the scientific community, reflected by substantial increases in the number of papers submitted, published, downloaded, and cited. As Editor-in-Chief, I encourage you to consider publishing your research work in *Climate*.

### Aims and Scope

Global, regional, and urban climate and their interplays  
Climate dynamics and variability  
Impact of climate on short-term extreme events  
Chemistry, aerosol, cloud, and climate interactions  
Hydroclimate  
Interactions of air, land, water, and plant  
Interactions of water-, energy-, and carbon-cycles  
Impact of climate on air/water quality, ecosystem, human health, food production  
Impact of climate on economy and society  
Climate mitigation and adaptation policies and strategies  
Sustainability, clean energy, and pollution control  
Geoengineering

### Editorial Office

*Climate* Editorial Office

climate@mdpi.com

MDPI, St. Alban-Anlage 66

4052 Basel, Switzerland

Tel: +41 61 683 77 34

Fax: +41 61 302 89 18

www.mdpi.com

mdpi.com/journal/climate



# POSTER PROGRAM

Building U6 – ground floor

Poster can be displayed all the week - Poster sessions:

Monday 1<sup>st</sup> 18.30-19.00 / Tuesday 2<sup>nd</sup> 17:30-19:00 / Thursday 4<sup>th</sup> 17:30-18:30

Symposium 02
<b>P0174 Delineation of urban growth boundary based on ecological security pattern</b> Rui Zhou <sup>1</sup> , Jun Gao <sup>1</sup> <i><sup>1</sup>Shanghai Normal University</i>
Symposium 03
<b>P0031 Agrarian landscape rehabilitation following landscape bionomics</b> Vittorio Ingegnoli <sup>1</sup> , Stefano Bocchi <sup>1,2</sup> <i><sup>1</sup>State University of Milan</i>
<b>P0093 Investigating the off-stage landscape service burdens of olive oil production</b> Maria Rita Pasimeni <sup>1</sup> , Donatella Valente <sup>1</sup> , Irene Petrosillo <sup>1</sup> , Giovanni Zurlini <sup>1,2</sup> <i><sup>1</sup>Lab. of Landscape Ecology, Dept. of Biological and Environmental Sciences and Technologies, University of Salento</i>
Symposium 04
<b>P0064 We need to talk about walls: examining the legacy of the Berlin Wall on a peri-urban forest</b> Elsa Anderson <sup>1</sup> <i><sup>1</sup>Technische Universität of Berlin</i>
Symposium 05
<b>P0210 Forest-bird relationships within two differently managed Natura 2000 alpine sites: an application of the bioacoustics approach at small scale</b> Alessia Portaccio <sup>1</sup> , Tommaso Sitzia <sup>1</sup> , Andrea Favaretto <sup>2</sup> , Thomas Campagnaro <sup>1,2</sup> <i><sup>1</sup>TESAF Department, University of Padova <sup>2</sup>Bioprogramm (Soc.Coop.R.L.)</i>
<b>T0847 Evaluation of anthropogenic disturbances on the soundscape of urban parks</b> Alessandro Bisceglie
Symposium 07
<b>T0659 A circular and Nature-based view of urban systems: The low-entropy city</b> Raffaele Pelorosso <sup>1,2</sup> <i><sup>1</sup>Tuscia University</i>
Symposium 08
<b>T_0964 Effects of habitat fragmentation and landscape structure on core and peripheral populations of the eastern green lizard (<i>Lacerta viridis</i>)</b> Ana María Prieto Ramírez
<b>P0170 Enhancing tree health and urban biodiversity along with citizen wellbeing: analyzing tree functional traits to support urban forest planning and management in Padova (Italy).</b> Chiara Cortinovis <sup>1</sup> , Claudia Alzetta <sup>2</sup> , Davide Geneletti <sup>1</sup> , Grazia Zulian <sup>3</sup> , Federico Agostini <sup>4</sup> <i><sup>1</sup>University of Trento <sup>2</sup>Comune di Padova <sup>3</sup>European Commission Joint Research Centre <sup>4</sup>University of Padova</i>
<b>T0738 Understory vegetation recovery after wildfire disturbances in boreal forest</b> Bo Liu
Symposium 09
<b>P0001 Scenario analysis of ecosystem service changes and interactions in a mountain-oasis-desert system: a case study in Altay Prefecture, China</b> Qi Fu
<b>P_8193 National Park Collaborative Management Functional Zoning Study in China—Taking Shennongjia National Park as an example</b> Jie Li <sup>1</sup> , Weiyue Li <sup>1</sup> , Jun Gao <sup>1</sup> , Jing Fu <sup>1,2</sup> <i><sup>1</sup>School of Environmental and Geographical Sciences, Shanghai Normal University</i>
<b>P0008 Future trends in the provision of ecosystem services of mountain grassland</b> Uta Schirpke <sup>1,2</sup> , Marina Kohler <sup>2</sup> , Georg Leitinger <sup>2</sup> , Veronika Fontana <sup>1</sup> , Erich Tasser <sup>1</sup> , Ulrike Tappeiner <sup>1,2</sup> <i><sup>1</sup>Institute for Alpine Environment, Eurac Research <sup>2</sup>Department of Ecology, University of Innsbruck</i>

<p><b>P0082 The influence of hiking pressure on wildlife activity in the Baekdudaegan Mountain Range Trail in Korea</b> Byung Mook Hwang<sup>1</sup>, Dongwook W. Ko<sup>1</sup>, Chan Ryul Park <sup>1</sup><i>Department of Forest, Environment, and Systems, Kookmin University</i> <sup>2</sup><i>Urban Forests Research Center, National Institute of Forest Science (NIFoS)</i></p>
<p><b>P0088 Study on supply and demand matching of ecosystem services in Loess Hilly Region: a case study of Lanzhou, Gansu Province</b> Chunfang Liu<sup>1</sup> <sup>1</sup><i>College of Social Development and Public Administration, Northwest Normal University</i></p>
<p><b>P0120 Relationships between habitat structure and ecosystem services: carbon stock in alpine forests and prairies</b> Emilio Padoa-Schioppa<sup>1</sup>, Angela Proietto<sup>2</sup>, Francesca Mazzucchelli<sup>1</sup>, Claudio Liga<sup>1</sup>, Davide Abu El Khair<sup>1</sup>, Claudia Canedoli<sup>1</sup> <sup>1</sup><i>University of Milano-Bicocca; Department of Earth and Environmental Sciences</i> <sup>2</sup><i>University of Milano</i></p>
<p><b>T0543 Current landscape-ecological state of protected areas of the northern Caucasus</b> Marina Petrushina<sup>1</sup> <sup>1</sup><i>Lomonosov Moscow State University</i></p>
Symposium 10
<p><b>P_8221 The role of landscape and relief aspects on carbon stock in secondary tropical forests of human-dominated landscapes</b> Isabella Romitelli<sup>1</sup>, Jomar Magalhães Barbosa<sup>2</sup>, Jean Paul Walter Metzger<sup>1</sup> <sup>1</sup><i>University of São Paulo</i> <sup>2</sup><i>Miguel Hernández University</i></p>
<p><b>P0034 Integrated assessment of forest bioenergy options using the Landscape simulation and Ecological Assessment (LEcA) tool – a study of Lithuania</b> Ulla Mörtberg<sup>1</sup>, Xi Pang<sup>1</sup>, Renats Trubins<sup>2</sup>, Gintautas Mozgeris<sup>3</sup> <sup>1</sup><i>Department of Sustainable Development, Environmental Science and Engineering, KTH Royal Institute of Technology, Stockholm</i> <sup>2</sup><i>Swedish University of Agricultural Sciences, Alnarp</i> <sup>3</sup><i>Agriculture Academy of Vytautas Magnus University, Institute of Forest Management and Wood Science</i></p>
<p><b>P0046 Temperate European floodplain forests face the threats of water management projects</b> Ivo Machar<sup>1</sup>, Jan Brus<sup>2</sup> <sup>1</sup><i>Palacky University Olomouc, Faculty of Science, Dpt. of Development and Environmental Studies</i> <sup>2</sup><i>Palacky University Olomouc, Faculty of Science, Dpt. of Geoinformatics</i></p>
<p><b>T0043 Application of the space-for-time substitution method in validating long-term biomass predictions of a forest landscape model</b> Jun Ma<sup>1</sup>, Xiangming Xiao<sup>2</sup>, Rencang Bu<sup>3</sup>, Yuanman Hu<sup>3</sup> <sup>1</sup><i>Fudan University</i> <sup>2</sup><i>University of Oklahoma</i> <sup>3</sup><i>Institute of Applied Ecology, Chinese Academy of Sciences</i></p>
Symposium 11
<p><b>P0030 Why preserved and how to preserve in the future? Peri-urban agriculture and its cultural landscape in the shrinking city: A case study in the northeast Kyoto, Japan.</b> Lihua Cui<sup>1</sup>, Shozo Shibata<sup>2</sup> <sup>1</sup><i>Graduate School of Agriculture, Kyoto University</i> <sup>2</sup><i>Graduate School of Global Environmental Studies, Kyoto University</i></p>
<p><b>P0043 Urban agriculture in Czechia: a colorful mosaic of forms and activities</b> Miroslav Šifta<sup>1</sup>, Jana Šiftová<sup>1</sup> <sup>1</sup><i>Charles University</i></p>
<p><b>P0098 Designing a tool for the sustainability evaluation of intra-urban agriculture using a participatory approach</b> Paola Clérino<sup>1</sup>, Agnès Lelièvre<sup>1</sup> <sup>1</sup><i>AgroParisTech, INRA, Université Paris-Saclay</i></p>
<p><b>P0128 Soil invertebrates as bioindicators of biodiversity support in urban agriculture</b> Baptiste Grard<sup>1</sup>, Claire Chenu<sup>1</sup>, Apolline Auclerc<sup>1</sup>, Laure Vieublé<sup>1</sup>, Antoine Lagneau<sup>2</sup>, Sophie Joimel<sup>1</sup> <sup>1</sup><i>UMR ECOSYS (AgroParisTech - INRA)</i> <sup>2</sup><i>Agence Régionale de la Biodiversité, département de l'Institut d'Aménagement et d'Urbanisme</i></p>
<p><b>P0150 Agricultural areas as Ecosystem Services tanks: considerations on the metropolitan area of Rome through a GIS-based land use change analysis</b> Silvia Pili<sup>1</sup>, Giampiero Mazzocchi<sup>1</sup>, Roberta Mele<sup>1</sup>, Davide Marino<sup>2</sup> <sup>1</sup><i>University of Sapienza, Rome</i> <sup>2</sup><i>Molise University</i></p>
<p><b>P0202 Epigeal fauna of urban food production sites show no obvious relationships with area or soil characteristics</b> Sofia Biffi<sup>1</sup>, Cleandho M de Souza<sup>2</sup>, Les Firbank<sup>1</sup> <sup>1</sup><i>University of Leeds</i> <sup>2</sup><i>University of Sao Paulo</i></p>
<p><b>P0228 Spatial context and legal environment of urban agriculture in the Ruhr metropolitan area (Germany)</b> Kathrin Specht<sup>1</sup>, Julian Schimichowski<sup>1</sup>, Runrid Fox-Kämper<sup>1</sup> <sup>1</sup><i>ILR- Research Institute for Regional and Urban Development</i></p>
Symposium 12
<p><b>P0057 Quantifying the effects of defective planning on pastures using urbanization and landscape indicators</b> Ana-Maria Calotă<sup>1</sup>, Ileana Pătru-Stupariu<sup>1</sup> <sup>1</sup><i>University of Bucharest</i></p>
Symposium 13

<b>P_8213 Identification of good-practice patterns in urban design for improved temperature regulation in warming climates</b> Joanna Zawadzka <sup>1</sup> , Ronald Corstanje <sup>1</sup> , Jim Harris <sup>1,1</sup> <i>Cranfield University</i>
<b>P0025 Sustainable future scenarios for environmentally sustainable livelihoods in the Zanzibar Archipelago</b> Rebecca Newman <sup>1,1</sup> <i>University of York</i>
<b>P0050 Landscape planning of the region</b> Ekaterina Pozachenyuk <sup>1</sup> , Irina Kalinchuk <sup>1</sup> , Ekaterina Pizova <sup>1,1</sup> <i>V.I. Vernadsky Crimean Federal University</i>
<b>T0144 Statistical and configurationally relationships between landscape metrics and water quality parameters</b> Ali Jafari
<b>T0272 Land management for climate change mitigation: afforestation vs. bioenergy plantations</b> Jan Sandstad Næss <sup>1</sup> , Otavio Cavalett <sup>1</sup> , Bo Huang <sup>1</sup> , Xiangping Hu <sup>1</sup> , Francesco Cherubini <sup>1,1</sup> <i>Industrial Ecology Programme, Norwegian University of Science and Technology</i>
Symposium 16
<b>P_0235 A portable indoor air detection box</b> Chun-yuan Zhao <sup>1</sup> , Wan-gui Zhou <sup>1</sup> , Hao-wei Wang <sup>1</sup> <sup>1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i>
<b>P0038 Hybrid Method for Landscape Quality assessment blending with Street Views and Artificial Intelligence Technology in Computer Vision-the case of the linear road landscape between Beijing and Tianjin in</b> Kun Zhang
<b>P0152 The Democratization of Technology in Geoscientific Research</b> Sarah Brown <sup>1</sup> , Martin G. Evans <sup>1</sup> , Claire S. Goulsbra <sup>1</sup> , Emma Shuttleworth <sup>1,1</sup> <i>University of Manchester</i>
Symposium 17
<b>P0044 China needs more re-habitats than US-Japan developed countries in mega-cities</b> Hongbing WANG <sup>1</sup> , Yonghong HU <sup>2,3</sup> , Jun QIN <sup>3,1</sup> <i>College of Life Sciences, Shanghai Normal University</i> <sup>2</sup> <i>Shanghai Chenshan Plant Science Research Centre, Chinese Academy of Sciences</i> <sup>3</sup> <i>Shanghai Chenshan Botanical Garden</i>
<b>P0144 How landscape planning can benefit from computational algorithm; introduction of process mining approach</b> Mahsa Bazrafshana <sup>1</sup> , Paola Sturla <sup>2,1</sup> <i>Swiss Federal Research Institute for Forest, Snow and Landscape Research/WSL, 8903 Birmensdorf, Switzerland</i> <sup>2</sup> <i>Politecnico di Milano, Department of Architecture and Urban Studies, Via Bonardi 3 20133 Milano, Italia</i>
<b>P0145 The impact of composition and configuration of urban green space on its cooling effect</b> Majid Amanibeni
<b>P0209 Transformations of the Corumbé stream: an analysis through the concept of Hemerobia</b> Juliana Maria de Souza Freitas <sup>1,1</sup> <i>FAUUSP - Faculdade de Arquitetura e Urbanismo da Universidade de São Paul</i>
<b>T0056 The role of urban form to achieve greener and more permeable matrixes in high-density cities</b> Patricia Mara Sanches <sup>1</sup> , Eduardo Roberto Alexandrino <sup>1</sup> , Demóstenes Ferreira da Silva Filho <sup>1,1</sup> <i>Luiz de Queiroz College of Agriculture - Forest Science Department</i>
<b>T340 The effect of configuration on urban heat through edge effects between patches: Multiple-scale assessment through high resolution thermal imaging</b> JINGLI YAN
Symposium 18
<b>P_9073 Ecological footprint of country houses and their role in changes in suburbanized landscapes in central Russia</b> Tatiana Trifonova <sup>1</sup> , Karen Karapetian <sup>2,1</sup> <i>Lomonosov Moscow State University and Vladimir State University</i> <sup>2</sup> <i>Vladimir State University</i>
<b>P0095 Evaluating temporal changes in landscape connectivity for Alouatta caraya (Primates: Atelidae) among forest fragments in Pampa biome, south Brazil</b> Marcia Maria de Assis Jardim <sup>1</sup> , Beatriz Terrones <sup>2</sup> , Ricardo Aranha Ramos <sup>1</sup> , Andreu Bonet <sup>2,1</sup> <i>Museu de Ciências Naturais (MCN), Fundação Zoobotânica do Rio Grande do Sul (FZB-RS), Porto Alegre, RS, Brazil</i> <sup>2</sup> <i>Department of Ecology, University of Alicante, Alicante</i>
<b>P0154 Land-use change in oil palm dominated tropical landscapes - An agent-based model to explore ecological and socio-economic trade-offs</b> Jan Salecker <sup>1</sup> , Claudia Dislich <sup>1,2</sup> , Elisabeth Hettig <sup>3,1</sup> , Jann Lay <sup>3,1</sup> , Katrin Meyer <sup>1</sup> , Kerstin Wiegand <sup>1,1</sup> <i>University of Goettingen</i> <sup>2</sup> <i>UFZ - Helmholtz Centre for Environmental Research</i> <sup>3</sup> <i>GIGA German Institute of Global and Area Studies</i>

Symposium 19
<b>P_0236 Impacts of mining on net primary productivity of the vegetation: a case study of Shengli Coalfield</b> Wan-gui Zhou <sup>1</sup> , Chun-yuan Zhao <sup>1</sup> , Ye-ning Wang <sup>1</sup> , Hao-wei Wang <sup>1</sup> <sup>1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i>
<b>P0019 Assessing urban expansion and its effects on dune recreational value. An insight into the Mediterranean coast</b> Maria Laura Carranza <sup>1</sup> , Mita Drius <sup>2</sup> , Flavio Marzioletti <sup>1</sup> , Maria Carla De Francesco <sup>1</sup> , Angela Stanisci <sup>1</sup> <sup>1</sup> <i>EnviX-Lab, Department of Bioscience and Territory, University of Molise</i> <sup>2</sup> <i>National Research Council, Institute of Marine Sciences (CNR-ISMAR)</i>
<b>P0039 En route towards zero hunger in Africa: Optimizing the benefits of intercropping grain legumes to cereals</b> Stefani Daryanto <sup>1</sup> , Bojie Fu <sup>2</sup> , Wnewu Zhao <sup>1</sup> , Lixin Wang <sup>3</sup> , Pierre-André Jacinthe <sup>3</sup> <sup>1</sup> <i>Beijing Normal University</i> <sup>2</sup> <i>Chinese Academy of Sciences</i> <sup>3</sup> <i>Indiana University Purdue University Indianapolis</i>
<b>P0060 Ecological Effects and Potential Risks of the Water Diversion Project in the Heihe River Basin</b> Mengmeng Zhang <sup>1</sup> <sup>1</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
<b>P0063 Resilience through synergies between agriculture and tourism for two contrasting trajectories in the Tyrolean Alps</b> Georg Leitinger <sup>1</sup> , Lisa Huber <sup>1</sup> , Erich Tasser <sup>2</sup> , Hannes Herrmann <sup>3</sup> , Rike Stotten <sup>3</sup> <sup>1</sup> <i>University of Innsbruck, Department of Ecology</i> <sup>2</sup> <i>Eurac Research, Institute for Alpine Environment</i> <sup>3</sup> <i>University of Innsbruck, Department of Sociology</i>
<b>P0069 Meta-analysis approach to assess the effectiveness of contour tillage in reducing water erosion in China</b> Lizhi Jia <sup>1</sup> , Wenwu Zhao <sup>1</sup> <sup>1</sup> <i>State Key Laboratory of Earth Surface Processes and Resource Ecology, Faculty of Geographical Science, Beijing Normal University, Beijing 100875, PR China</i>
<b>P0163 Mitigating the Conflicts Between Environmental, Economic and Social Benefits - Examining Ecosystem Services from an Ecological Wisdom Perspective</b> Yi Luo <sup>1</sup> , Bo Yang <sup>2</sup> , Shujuan Li <sup>2</sup> <sup>1</sup> <i>University of Florida</i> <sup>2</sup> <i>University of Arizona</i>
Symposium 20
<b>P0054 Habitat Quality Modeling of Wild Sheep (<i>Ovis orientalis</i>) in Central parts of IRAN Using InVEST and MaxEnt Models</b> Azita Rezvani <sup>1</sup> , Shekoufeh Nematollahi <sup>1</sup> , Sima Fakheran <sup>1</sup> <sup>1</sup> <i>Department of Natural Resources, Isfahan University of Technology</i>
<b>P0132 Grazing and fire on the reversibility and management of woody shrub encroachment: A modeling approach</b> Junran Li <sup>1</sup> , Guan Wang <sup>1</sup> , Ravi Sujith <sup>2</sup> <sup>1</sup> <i>The University of Tulsa, OK, USA</i> <sup>2</sup> <i>Temple University, PA, USA</i>
<b>P0159 Investigate the impact of road traffic for bird monitoring in an urban park in central Iran</b> Gilda Shahnaseri
Symposium 22
<b>P0012 Commune land use planning in Cambodia: Concept, methodology and approaches</b> Khu Bunnath <sup>1</sup> <sup>1</sup> <i>Research and Development SBK (ADB/MLMUPC/CLUP Project)</i>
<b>P0079 Collateral Values: The Natural Capital Created by Landscapes of War</b> Todd Lookingbill <sup>1</sup> , Peter Smallwood <sup>1</sup> <sup>1</sup> <i>University of Richmond</i>
<b>P0142 Historical floras: a cultural heritage and a data source to detect past landscape features. A case study from late 19th century (Bologna, northern Italy)</b> Giovanna Pezzi <sup>1</sup> , Alessandro Alessandrini <sup>2</sup> , Enrico Muzzi <sup>3</sup> , Fabrizio Buldrini <sup>1</sup> <sup>1</sup> <i>Department of Biological, Geological and Environmental Sciences, Università di Bologna</i> <sup>2</sup> <i>Istituto per i beni artistici, culturali e naturali - Regione Emilia-Romagna</i> <sup>3</sup> <i>Department of Agricultural and Food Sciences, Università di Bologna</i>
<b>P0181 The influence of land abandonment on disturbance regimes of forest ecosystems: a review</b> Giulia Mantero <sup>1</sup> , Donato Morresi <sup>1</sup> , Renzo Motta <sup>1</sup> , Raffaella Marzano <sup>1</sup> , David Mladenoff <sup>2</sup> , Matteo Garbarino <sup>1</sup> <sup>1</sup> <i>Università di Torino (DISAFA)</i> <sup>2</sup> <i>University of Wisconsin, Madison</i>
<b>P0197 The transition of the relationship between human and nature in Satoyama landscape in Japan. - Project management for collaborative restoration of regional social-ecological system-</b> Hayato Hasegawa <sup>1</sup> , Tomomi Sudo <sup>1</sup> , Keitaro Ito <sup>1</sup> <sup>1</sup> <i>Laboratory of Environmental Design, Department of Civil Engineering, Kyushu Institute of Technology</i>
<b>P0215 Effects of historical land use and land pattern changes on the landscape structure and its functioning – case studies from the middle-taiga upland plains of the southern Arkhangelsk region</b> Elena Nagornaya <sup>1</sup> <sup>1</sup> <i>Faculty of Geography, Lomonosov Moscow State University</i>

<p><b>T0399 The fast-paced expansion of dust source areas: A major threat changing the face of Iranian southeastern arid landscapes</b> Hossein Moradi</p>
<p><b>T0023 Historic land-use and fire exclusion influence oak regeneration and mesophytic expansion</b> Robert Scheller<sup>1</sup>, Christopher Gerstle<sup>1</sup>, Zachary Robbins<sup>1</sup>, Louise Loudermilk<sup>2</sup> <sup>1</sup>North Carolina State University <sup>2</sup>USDA Forest Service</p>
<p><b>T0070 Relations between nature conservation and land-use legacies in the Białowieża Forest (Poland): the influence on a landscape and its evolution</b> Barbara Bożętko<sup>1</sup> <sup>1</sup>Nicolaus Copernicus University, Toruń, Poland</p>
<p><b>T0512 Landscape and forest legacies in the Czech Republic: how it was influenced by land use changes during the 20th century and protection for future</b> Markéta Šantrůčková<sup>1</sup> <sup>1</sup>Research Institute for Landscape and Ornamental Gardening</p>
<p><b>T0803 Spatial structure of forest plantations in the Araucanía region, Chile by means of landscape metrics, factor analysis and principal components</b> Fernando Peña-Cortés<sup>1</sup>, Cristian Vergara-Fernández<sup>1</sup>, Francisco Aguilera-Benaventeb<sup>2</sup>, Gonzalo Rebolledo<sup>1</sup> <sup>1</sup>Universidad Católica de Temuco. Laboratorio de Planificación Territorial <sup>2</sup>Universidad de Alcalá</p>
Symposium 24
<p><b>P_0239 Social agriculture turns eco-social – case studies from the Southern Alps</b> Sara Nicli<sup>1</sup>, Stefan Zerbe<sup>1</sup>, Sergio Angeli<sup>1</sup> <sup>1</sup>Free University of Bolzano</p>
<p><b>P0092 Co-designing insect-friendly farming systems – the project concept of FinAL</b> Maria Busse<sup>1</sup>, Felix Zoll<sup>1</sup>, Rosemarie Siebert<sup>1</sup>, Ulrich Stachow<sup>1</sup> <sup>1</sup>Leibniz Centre for Agricultural Landscape Research (ZALF)</p>
<p><b>P0191 Farmland contributions to urban green infrastructure</b> Werner Rolf<sup>1</sup> <sup>1</sup>Chair for Strategic Landscape Planning and Management, Technical University of Munich, Germany; Institute of Environmental Science and Geography, Land Science, University of Potsdam, Germany</p>
Symposium 26
<p><b>P0020 Multitemporal NDVI classification of coastal dune habitats of central Italy with Sentinel 2 data</b> Flavio Marzialetti<sup>1</sup>, Maria Laura Carranza<sup>1</sup>, Silvia Giulio<sup>2</sup>, Marta Gaia Sperandii<sup>2</sup>, Alicia Teresa Romario Acosta<sup>2</sup> <sup>1</sup>ENVIX-LAB, Dipartimento Di Bioscienze e Territorio, Università degli studi del Molise <sup>2</sup>Dipartimento di Scienze, Università degli studi di Roma Tre</p>
<p><b>P0097 Influence of topography and vegetation dynamics on coffee sting bugs population across an altitudinal gradient in heterogeneous landscape</b> Gladys Mosomtai<sup>1</sup>, John Odindi<sup>2</sup>, Tobias Landmann<sup>3</sup>, Elfatih Abdel-Rahman<sup>1</sup>, Abdelmutalab Azrag<sup>1</sup>, Régis Babin<sup>1</sup> <sup>1</sup>International Centre for Insect Physiology and Ecology <sup>2</sup>School of Agricultural, Earth and Environment Sciences, University of KwaZulu-Natal <sup>3</sup>Remote Sensing Solutions</p>
<p><b>P0115 Assessment of Monitoring of Coastal zone erosion by Airborne laser scanning system</b> Sajjad Roshandel<sup>1</sup> <sup>1</sup>SCSC Laboratory of Xiamen university</p>
<p><b>P0126 Analysis of changes in forest habitat connectivity in the disaster damaged Sendai Bay area of northeast Japan</b> Hidetake Hirayama<sup>1</sup>, Mizuki Tomita<sup>2</sup>, Keitarou Hara<sup>2</sup> <sup>1</sup>Graduate School of Tokyo University of Information Sciences <sup>2</sup>Department of Informatics, Tokyo University of Information Sciences</p>
<p><b>P0182 Analysis of land surface phenology using densified Landsat 8 OLI – Sentinel 2 MSI time series: a case study for Kanivs'kyj Nature Reserve area, Ukraine</b> Daria Svidzinska</p>
Symposium 27
<p><b>P0011 Flowing Lives. Understanding landscape as a tool of social change and ecological coexistence.</b> Claudia de Sas Trujillo, Juanita Leal Ochoa</p>
<p><b>P0013 Working with Natural Processes for flood control and nature restoration in Shiga, Japan</b> Tsunao Watanabe<sup>1</sup>, Katsue Fukamachi<sup>2</sup> <sup>1</sup>United Nations University/Senior Programme Coordinator <sup>2</sup>Kyoto University/associate professor</p>
<p><b>T0872 Co-production within Working With Natural Processes (WWNP) Projects: lessons from Natural Flood Management projects in the England and Italy</b> Chris Short<sup>1</sup>, Fabio Carnelli<sup>2</sup>, Chris Uttley<sup>3</sup>, John Hollis<sup>3</sup>, Silvia Mugnano<sup>2</sup> <sup>1</sup>University of Gloucestershire <sup>2</sup>University of Milan-Bicocca <sup>3</sup>Environment Agency</p>

<b>T0877 Incorporating farmer and local knowledge into the development of policies sympathetic to Working With Natural Processes</b> Chris Short <sup>1</sup> , Jess Neumann <sup>2</sup> , Joanna Clark <sup>2,1</sup> <i><sup>1</sup>University of Gloucestershire <sup>2</sup>University of Reading</i>
Symposium 28
<b>P0171 The effects of catastrophic wind disturbance and subsequent salvage logging on the species composition of seedlings, juveniles, and adults are still apparent more than 50 years after the event</b> Junko Morimoto <sup>1</sup> , Haruka Komatsu <sup>2</sup> , Wataru Hotta <sup>2</sup> , Satoshi N. Suzuki <sup>3</sup> , Toshiaki Owari <sup>3,1</sup> <i><sup>1</sup>Graduate School of Agriculture, Hokkaido University <sup>2</sup>Faculty of Agriculture, Hokkaido University <sup>3</sup>The University of Tokyo Chichibu Forest, Graduate School of Agricultural and Life Sciences, The University of Tokyo</i>
Symposium 29
<b>P0190 An innovative governance practice to face the Anthropocene challenges in the Alpine area: the activity of EUSALP AG7 regarding the development of Green Infrastructure</b> Serena D'Ambrogio <sup>1</sup> , Alessandro Gretter <sup>2</sup> , Luisa Pedrazzini <sup>3</sup> , Maria Quarta <sup>4</sup> , Tina Trampuš <sup>5</sup> , Michaela Küenzl <sup>6</sup> , Elena Guella <sup>7,1</sup> <i><sup>1</sup>ISPRA, <sup>2</sup>Fondazione Edmund Mach (Italy), <sup>3</sup>Institute of Geography University of Innsbruck (Austria), <sup>4</sup>FAMA University of Trento (Italy), <sup>5</sup>Regione Lombardia, <sup>6</sup>Regione Piemonte, <sup>7</sup>Institute of the Republic of Slovenia for Nature Conservation, <sup>8</sup>Bavarian State Ministry of the Environment and Consumer Protection, <sup>9</sup>Provincia Autonoma di Trento</i>
Symposium 30
<b>P0014 Effects of semi-natural habitats on the abundance and distribution of insect pollinators in sunflower fields in Hungary</b> Károly Lajos <sup>1</sup> , Áron Bihaly <sup>1</sup> , Miklós Sárospataki <sup>1,1</sup> <i><sup>1</sup>Szent István University, Department of Zoology and Animal Ecology</i>
<b>P0091 Identifying landscape structures to enhance wild bee diversity in agricultural areas</b> Sophie Kratschmer <sup>1</sup> , Esther Ockermüller <sup>1</sup> , Johann Neumayer <sup>1</sup> , Christa Hainz-Renetzeder <sup>2</sup> , Kathrin Pascher <sup>3</sup> <i><sup>1</sup>Institute for Integrative Nature Conservation Research, University of Natural Resources and Life Science (BOKU), Vienna, Austria <sup>2</sup>Institute of Landscape Development, Recreation and Conservation Planning (ILEN), University of Natural Resources and Life Sciences (BOKU), Vienna, Austria <sup>3</sup>Institute of Zoology, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria</i>
<b>P0107 Creating a spatially and temporally-explicit model of floral resources for pollinators in the agricultural landscape of Central New York, USA</b> Kevin Li <sup>1</sup> , Aagon Iverson <sup>2,1</sup> <i><sup>1</sup>University of Goettingen <sup>2</sup>Cornell University</i>
<b>P0168 A comparative landscape genetic approach to assessing landscape effects on agricultural native bees in Alberta, Canada</b> Celia Hein <sup>1</sup> , Cameron Carlyle <sup>2</sup> , Jessamyn Manson <sup>3</sup> , Paul Galpern <sup>4</sup> , Helene Wagner <sup>1</sup> <i><sup>1</sup>University of Toronto Mississauga <sup>2</sup>University of Alberta <sup>3</sup>University of Virginia <sup>4</sup>University of Calgary</i>
Symposium 31
<b>P0139 Assessing the delivery of ecosystem services in a climate change context: using ecological reasonable indicators</b> Laura Basconi <sup>1,1</sup> <i><sup>1</sup>Ca' Foscari University, Venice</i>
<b>P0157 Landscape Ecological Exhibition Experience Using Tidal-flat Biocultural Resources</b> Sun-Kee Hong <sup>1</sup> , Yong-Tae Won <sup>1</sup> , Kyong-A Lee <sup>1,1</sup> <i><sup>1</sup>Mokpo National University</i>
Symposium 35
<b>P0037 Urban green areas for the enhancement of ecosystem services and human well-being: the case study of Turin (Italy)</b> Enrico Pomatto <sup>1</sup> , Luca Battisti <sup>1</sup> , Federica Larcher <sup>1,1</sup> <i><sup>1</sup>Department of Agricultural, Forest and Food Sciences, University of Turin</i>
<b>P0087 Smart Green City in China: a New Agenda for Urbanization</b> Feng Zhen <sup>1,1</sup> <i><sup>1</sup>Nanjing university</i>
<b>P0113 Linking the urban health to the quality of the blue infrastructure: a proof of concept for understanding the environmental dimension of antibiotic resistance</b> Ileana Pătru-Stupariu <sup>1</sup> , Mariana-Carmen Chifiriuc <sup>1</sup> , Luminița Măruțescu <sup>1</sup> , Mihai-Sorin Stupariu <sup>1,1</sup> <i><sup>1</sup>University of Bucharest</i>
<b>P0156 Landscape ecology - an evolutionary analysis of the design practice.</b> Caroline Ferreira Fernandes <sup>1</sup> , Luis Pedro de Mello César <sup>1,1</sup> <i><sup>1</sup>UnB - University of Brasília</i>
Symposium 38
<b>P0065 Effects of land use on stream water quality: How do landscape composition metrics influence predictions?</b> Linda Staponites



<p><b>P0111 Visual models as predictive tools for assessing future ecological landscapes and supporting management decisions: validation vs. reality</b> Liat Hadar Ben-Asher<sup>1</sup>, Daniel E. Orenstein<sup>2</sup>, Yohay Carmel<sup>2</sup>, Yagil Osem<sup>3,1</sup><i>Ramat Hanadiv &amp; The Technion - Israel Institute of Technology</i> <sup>2</sup><i>Technion - Israel Institute of Technology</i> <sup>3</sup><i>Agricultural Research Organization, Volcani Center</i></p>
<p><b>P0114 3D printing of landscapes: from technical advances to expectations of end-users</b> Mihai-Sorin Stupariu<sup>1</sup>, Andrei Dumitriu<sup>1</sup>, Ileana Pătru-Stupariu<sup>1</sup>, Christine Fürst<sup>2</sup> <sup>1</sup><i>University of Bucharest</i> <sup>2</sup><i>Martin Luther University Halle-Wittenberg</i></p>
<p>Symposium 39</p>
<p><b>P0090 Exploring the potentialities of a new integrated system of grey, green and blue infrastructures for improving flood protection and wastewater remediation</b> Daniele Masseroni<sup>1</sup>, Marco Callerio<sup>2</sup>, Gian Battista Bischetti<sup>1,1</sup><i>Dipartimento di Scienze Agrarie ed Ambientali, Università degli Studi di Milano</i> <sup>2</sup><i>CAP Holding Ltd</i></p>
<p><b>P0094 Linking natural and social capital through green infrastructures to foster urban well-being</b> Donatella Valente<sup>1</sup>, Maria Rita Pasimeni<sup>1</sup>, Irene Petrosillo<sup>1</sup>, Giovanni Zurlini<sup>1,1</sup><i>Lab. of Landscape Ecology, Dept. of Biological and Environmental Sciences and Technologies, University of Salento</i></p>
<p><b>P0122 Providing ecosystem services through urban forestation planning – A green infrastructure approach for the metropolitan city of Sao Paulo, Brazil</b> Cleandho M. de Souza<sup>1</sup>, Laís Padilha Leite<sup>1</sup>, Paulo Renato Mesquita Pellegrino<sup>1,1</sup><i>University of Sao Paulo</i></p>
<p><b>P0151 Assessing Mismatches in the Provision of Urban Ecosystem Services: a Methodological Approach to Support the Design of Green Infrastructure</b> - Maria Susana Orta Ortiz<sup>1</sup>, Davide Geneletti<sup>1,1</sup><i>University of Trento, Department of Environmental, Civil and Mechanical Engineering</i></p>
<p><b>P0203 Oxygen to Human. Introducing an advanced natural approach in landscape ecology design</b> Olga Beatrice Carcassi<sup>1</sup>, Andrea Giglio<sup>1</sup>, Stefano Gomarasca<sup>2</sup>, Ingrid Paoletti<sup>1,1</sup><i>Politecnico di Milano</i> <sup>2</sup><i>Università degli Studi di Milano</i></p>
<p><b>T0653 Urban ecological design in the era of the Anthropocene: a process of landscape reclamation</b> Eleni Stefania Kalapoda<sup>1,1</sup><i>Architect Engineer NTUA, Department of Architecture, National Technical University of Athens, Greece</i></p>
<p>Symposium 40</p>
<p><b>P0024 Land use and climate interactions and their impacts on beekeeping livelihoods in the taita hills Kenya</b> Rebecca Newman<sup>1</sup>, Robert Marchant<sup>1</sup>, Charis Enns<sup>2</sup>, Claudia Capitani<sup>3,1</sup><i>University of York</i> <sup>2</sup><i>University of Sheffield</i> <sup>3</sup><i>EU Joint Research Commission</i></p>
<p><b>P0077 Social-Ecological Beekeeping Units: Approaching bees as natural resource and component of human well-being in two different geographical sites in Galicia (NW Spain).</b> Emilio R. Diaz-Varela<sup>1</sup>, Maria Amparo Ferreira-Golpe<sup>1</sup>, Ana Isabel Garcia-Arias<sup>1</sup> <sup>1</sup><i>ECOAGRASOC - University of Santiago de Compostela</i></p>
<p><b>P0085 An agent-based model to assess the effects of deforestation and landscape changes on pollination networks</b> Danilo Boscolo<sup>1</sup>, Adrian C. Newton<sup>2</sup>, Patricia Alves Ferreira<sup>1</sup>, Luciano E. Lopes<sup>3</sup>, Paul Evans<sup>2</sup> <sup>1</sup><i>University of São Paulo</i> <sup>2</sup><i>Faculty of Science and Technology, Bournemouth University</i> <sup>3</sup><i>Federal University of São Carlos</i></p>
<p><b>P0089 Estimating effects of changes in human disturbance regime on honey production using native honey bee at landscape scale in tropical forests of Siem Reap Province, Cambodia.</b> Yasushi Mitsuda<sup>1</sup>, Ryoko Hirata<sup>1</sup> <sup>1</sup><i>University of Miyazaki</i></p>
<p>Symposium 42</p>
<p><b>P_0227 Survey on community livelihoods and landscape change along the Nzhelele and Levubu river catchments in the Limpopo Province, South Africa</b> Walter Musakwa<sup>1</sup>, Shuai Wang<sup>2</sup>, Fangli Wei<sup>2</sup>, Lerato Malapane<sup>3</sup>, Eric Mashimbye<sup>4</sup>, Sydney Mavengahama<sup>5</sup> <sup>1</sup><i>Department of Town and Regional Planning, University of Johannesburg</i>, <sup>2</sup><i>Beijing Normal University</i>, <sup>3</sup><i>University of Johannesburg</i>, <sup>4</sup><i>Stellenbosch University</i>, <sup>5</sup><i>North West University</i>,</p>
<p><b>P_9075 Flood hazard at coastal regions: Change detection and dominant influencing factors identification</b> Qi Mao<sup>1</sup>, Jian Peng<sup>1</sup>, Yanglin Wang<sup>1,1</sup><i>Peking University</i></p>
<p><b>P0033 Landscape Dynamics Typology Tool (LDTtool) – A new way to assess landscape dynamics</b> Rui Machado<sup>1</sup>, Sérgio Godinho<sup>1</sup>, Janez Pirnat<sup>2</sup>, Nuno Neves<sup>3,4</sup>, Pedro Santos<sup>4,1</sup><i>ICAAM - Instituto de Ciências Agrárias e Ambientais Mediterrânicas; Universidade de Évora</i>, <sup>2</sup><i>Biotechnical Faculty, Department for Forestry</i></p>

<i>and Renewable Forest Resources, University of Ljubljana,<sup>3</sup>e-GEO, Research Centre for Geography and Regional Planning, Faculdade de Ciências Sociais e Humanas, Universidade Nova de Lisboa, <sup>4</sup>Departamento de Paisagem, Ambiente e Ordenamento, Escola de Ciências e Tecnologia, Instituto de Ciências Agrárias e Ambientais Mediterrânicas, Instituto de Investigação e Formação Avançada, Universidade de Évora</i>
<b>P0206 Time-series Change of Ecological Services at the Area of Complex Earthquake Disasters by Analysis using InVEST</b> Minghui Tang <sup>1</sup> , Naoko Fujita <sup>2</sup> <sup>1</sup> <i>Kyushu University</i> , <sup>2</sup> <i>University of Tsukuba</i>
Symposium 43
<b>P0004 Sustainable landscape planning and development pattern based on Internet of Things</b> Shuanning Zheng <sup>1</sup> , Rencai Dong <sup>1b1</sup> <i>Institute of Urban Environment, Chinese Academy of Sciences</i>
<b>P0183 The Isar-Plan: Design of a socio-ecologically resilient waterscape through polycentrism and living labs</b> Juliette Genevieve Crescentia Martin <sup>1</sup> , Aude Zingraff-Hamed <sup>2</sup> , Gerd Lupp <sup>1</sup> , JoAnne Linneroth-Bayer <sup>1</sup> , Stephan Pauleit <sup>2</sup> <sup>1</sup> <i>International Institute for Applied System Analysis (IIASA), Risk and Resilience Program</i> , <sup>2</sup> <i>Technical University of Munich, Chair for Strategic Landscape Planning and Management</i>
<b>T0045 Shaping Human Behavior, Saving Forest Genetic Resources: The Case of Forest Landscape in the Philippines</b> Adriane Tobias
<b>T0333 Place attachment through interaction with urban green space: a cross-cultural study</b> Mahsa Bazrafshan <sup>1</sup> , Felix Kienast <sup>1</sup> <sup>1</sup> <i>Swiss Federal Research Institute for Forest, Snow and Landscape Research/WSL, 8903 Birmensdorf, Switzerland</i>
<b>T0868 Territorial fragilities in Italy. Which role for the landscape design</b> Lavinia Maria Dondi
<b>T0576 Analysis of the perceived preference for different landscape features</b> Henry Ojobo
Symposium 45
<b>P_8178 Spreading patterns of breeding birds in the urban woods of Nagoya City, Japan</b> , Hiroshi Hashimoto <sup>1</sup> 1
Symposium 46
<b>P0121 Effects of colonisation on an Indigenous landscape in southeastern Australia</b> Adeen Cremin <sup>1</sup> , Peter Bindon <sup>2</sup> <sup>1</sup> <i>Australasian Society for Historical Archaeology</i> , <sup>2</sup> <i>Australian Ethnographic Institute</i>
<b>T0684 Antica Trasversale Sicula's project: an interdisciplinary approach for the reconstruction of the transhumance road system and the "victims of the Anthropocene"</b> Giuseppe Labisi
Symposium 47
<b>T_1002 Ecosystem Services Changes between 2000 and 2015 in the Loess Plateau, China</b> Dan Wu, Naifeng Lin
<b>T0351 Carbon Quantification in a Mining Forest towards Valuing Ecosystem Services</b> Elenita Racelis <sup>1</sup> , Diomedes Racelis <sup>2</sup> <sup>1</sup> <i>TREES, College of Forestry and Natural Resources, University of the Philippines Los Banos</i> , <sup>2</sup> <i>IRNR, College of Forestry and Natural Resources, University of the Philippines Los Banos</i>
Symposium 48
<b>P0068 Soil moisture decline following the plantation of Robinia pseudoacacia forests: Evidence from the Loess Plateau</b> Haibin Liang <sup>1</sup> , Zongshan Li <sup>1</sup> <sup>1</sup> <i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
<b>P0192 Socio-ecological perspective on prioritising semi-natural grassland restoration sites and actions: the experience of LIFE project GrassLIFE (Latvia)</b> Solvita Rūsiņa <sup>1</sup> , Ainārs Auniņš <sup>2</sup> , Andrejs Briedis <sup>3</sup> , Lauma Gustiņa <sup>1</sup> , Inga Račinska <sup>3</sup> , Baiba Strazdiņa <sup>3</sup> <sup>1</sup> <i>Faculty of Geography and Earth Sciences, University of Latvia</i> , <sup>2</sup> <i>Faculty of Biology, University of Latvia</i> , <sup>3</sup> <i>Latvian Fund for Nature</i>

Symposium 50
<b>T0450 Simulating ecosystem services re-distribution under ecosystem-services-based mitigation programs in a landscape subject to urban expansion</b> Francesco Accatino
<b>P_0225 An Integrated Geographic Information System for the conservation of biodiversity on Mediterranean coastal dunes. The case of CALLIOPE (LIFE17-NAT_IT_000565)</b> Maria Laura Carranza <sup>1</sup> , Ludovico Frate <sup>1</sup> , Irene Prisco <sup>1</sup> , Flavio Marzialetti <sup>1</sup> , Angela Stansici <sup>1</sup> , Maria Carla Di Francesco <sup>1</sup> <sup>1</sup> <i>University of Molise/ Dip BiT/ EnvixLab</i>
<b>P_8189 Wetlands changes in the landscape of lowlands and uplands of the Czech Republic over the last 180 years.</b> Pavel Richter <sup>1</sup> , Tomáš Fojtík <sup>1</sup> , Jan Skaloš <sup>2,1</sup> <i>T. G. Masaryk Water Research Institute, public research institution, Branch of Water Protection and Informatics, Podbabská 2582/30, Prague 160 00, Czech Republic, <sup>2</sup>Czech University of Life Sciences, Faculty of Environmental Sciences, Kamýcká 1176, Prague 165 21, Czech Republic</i>
<b>P0096 Utilization of mangroves in Grand-Popo District, a hotspot of mangroves in Benin, West-Africa</b> Constant Gnansounou <sup>1</sup> , Mireille Toyi <sup>2</sup> , Valère Salako <sup>1</sup> , Oscar Ahossou <sup>2</sup> , Jean Didier Akpona <sup>1</sup> , Achille Assogbadjo <sup>2</sup> <sup>1</sup> <i>Laboratoire de Biomathématiques et d'Estimations Forestières, <sup>2</sup>Laboratory of Applied Ecology</i>
<b>P0100 Spatial and temporal transformation of radioactive contamination of agroecosystems during post-Chernobyl period</b> Valentin Yatsukhno <sup>1</sup> , Nikolai Tsybulko <sup>2,1</sup> <i>Belarusian State University. Landscape Ecology Lab., <sup>2</sup>Institute of Soil Science and Agrochemistry</i>
<b>P0118 On the distribution of soil C, N, P in the salination-affected plant communities of the Yellow River Delta, China</b> Shuying Jiao <sup>1</sup> , Junran Li <sup>2</sup> , Yongqiang Li <sup>1</sup> , Ye Li <sup>1</sup> , Zixu Zhang <sup>1</sup> , Baishu Kong <sup>1</sup> <sup>1</sup> <i>College of Resources and Environment, National Engineering Laboratory for Efficient Utilization of Soil and Fertilizer Resources, Shandong Agricultural University, Tai'an, Shandong 271018, China, <sup>2</sup>Department of Geosciences, the University of Tulsa, Tulsa, OK 74104</i>
<b>P0123 Demo-genetic modeling of the effect of forest fragmentation on plant population viability: parameterizing a HexSim model with 10 years of field data</b> Adam Hadley <sup>1</sup> , Madeleine Oman <sup>1</sup> , Matthew Betts <sup>2</sup> , Helene Wagner <sup>1</sup> <sup>1</sup> <i>University of Toronto</i> <sup>2</sup> <i>Oregon State University</i>
<b>T0021 The effects of landscape pattern evolution in Liaohe estuary to changes on water quality</b> Jing Kang
<b>T0302A model study of terraced riverbeds as novel ecosystems</b> Hezi Yizhaq <sup>1</sup> , Moshe Shachak <sup>1</sup> , Ehud Meron <sup>1</sup> <sup>1</sup> <i>Ben Gurion University</i>
Symposium 51
<b>P0112 Population mechanistic models allow the identification of priority areas for restoration in Mediterranean pine forest landscapes affected by different fire regimes</b> Susana Suárez-Seoane <sup>1</sup> , Jose Manuel Fernández-Guisuraga <sup>1</sup> , Víctor Fernández-García <sup>2</sup> , Angela Taboada <sup>2</sup> , Elena Marcos <sup>2</sup> , Leonor Calvo <sup>2,1</sup> <i>University of León, <sup>2</sup>Area of Ecology, Faculty of Biological and Environmental Sciences, 24071 León</i>
<b>P0199 Integrated Biodiversity Conservation and Carbon Sequestration in the Changing Environment (IBC-CARBON)</b> Anu Akujärvi <sup>1</sup> , Irina Bergström <sup>1</sup> , Martin Forsius <sup>1</sup> , Francesco Minunno <sup>2</sup> , Annikki Mäkelä <sup>2</sup> , Risto K. Heikkinen <sup>1</sup> <sup>1</sup> <i>Finnish Environment Institute, <sup>2</sup>University of Helsinki</i>
<b>T0254 Fire driven changes in gallery forests communities in northern South America.</b> Dolors Armenteras <sup>1</sup> , Maria Constanza Meza Elizalde <sup>1</sup> , Tania Marisol Gonzalez Delgado <sup>1,1</sup> <i>Universidad Nacional de Colombia</i>
Symposium 52
<b>P003 From urban sprawl to compact green cities – how much do we know, how much do we agree?</b> Martina Artmann

Symposium 53
<b>P0047v Land Sharing Initiative for preservation of traditional cultural landscapes</b> Iztok Erjavec <sup>1</sup> , Klemen Risto Bizjak <sup>1,2</sup> <i>Institute InTeRCeR - Institute for Sustainable Development and Holistic Solutions</i>
<b>P0101 Agroecology and policy instruments for sustainable multifunctional agricultural landscapes</b> Jeff Norville <sup>1</sup> , Floriane Colas <sup>2</sup> , Corentin Barbu <sup>3</sup> , Vincent Martinet <sup>1,4</sup> <i>INRA (Institut national de la recherche agronomique), UMR210 Economie Publique, <sup>2</sup>UMR SADAPT, INRA, AgroParisTech, Université Paris-Saclay, <sup>3</sup>INRA UMR211 Agronomie</i>
<b>P0137 Social innovation as a driving force supporting revival of traditional farming in UNESCO site Vlkolinec, Slovakia</b> Maria Kozova <sup>1</sup> , Martin Spacek <sup>2</sup> , Mariana Melnykovych <sup>3</sup> , Tatiana Kluvankova <sup>4</sup> , Elena Górriz Mifsud <sup>3</sup> , Valentino Marini Govigli <sup>3,4</sup> <i>Catholic University in Ruzomberok, <sup>2</sup>CETIP Network s.r.o., <sup>3</sup>European Forest Institute (EFIMED), <sup>4</sup>Slovak Academy of Sciences, Institute of Forest Ecology</i>
Symposium 55
<b>P0102 A mixed-methods approach to historical-ecological analysis of pre-Soviet, Soviet and post-Soviet steppe landscape transformations. A case study from southern Ukraine</b> Maria Zachwatowicz <sup>1</sup> , Brian Kuns <sup>2</sup> , Ivan Moysiienko <sup>3</sup> , Barbara Sudnik-Wójcikowska <sup>1</sup> , Polina Dayneko <sup>3</sup> , Mats Widgren <sup>2,4</sup> <i>University of Warsaw, Faculty of Biology, <sup>2</sup>Stockholm University, Department of Human Geography, <sup>3</sup>Kherson State University, Department of Botany</i>
<b>P0162 Ecological Transformation in Institutional Landscapes: from Savannah Grassland to Urban Forest Ecosystem at JKUAT, Kenya</b> Caleb Toroitich <sup>1</sup> , Mugwima Njuguna <sup>1</sup> , Dennis Karanja <sup>1,2</sup> <i>Jomo Kenyatta University of Agriculture and Technology</i>
<b>P0194 Identifying drivers of agricultural marginality through remote sensing and statistical analysis</b> Davide Longato
<b>P0207 Assessing landscape perception differences of agricultural landscapes using Google Street View and panoramic photographs</b> Daria Sikorska <sup>1,2</sup> , Piotr Sikorski <sup>2</sup> , Jarosław Chormański <sup>2</sup> <sup>1</sup> European Regional Centre for Ecohydrology of the Polish Academy Of Sciences, <sup>2</sup> Warsaw University of Life Sciences - SGGW
<b>P0218 Combining models with socio-ecological studies for understanding the future of agricultural landscapes in Central Europe, and options for NBS implementations.</b> Kinga Krauze <sup>1</sup> , Katarzyna Izydorczyk <sup>1</sup> , Renata Włodarczyk-Marciniak <sup>1</sup> , Wojciech Fratzczak <sup>2</sup> <sup>1</sup> European Regional Centre for Ecohydrology PAS, <sup>2</sup> Urząd Marszałkowski w Łodzi
Symposium 56
<b>P0224 Risk evaluation for Brazilian Spotted Fever occurrence in the Metropolitan Region of São Paulo.</b> Claudia Araujo Scinachi <sup>1</sup> , Gabriela Takeda <sup>2</sup> , Luís Filipe Mucci <sup>2</sup> , Adriano Pinter <sup>2,4</sup> <i>Faculdade de Saúde Pública, <sup>2</sup>Superintendência de Controle de Endemias</i>
<b>T0931 Matrix type and patch size as drivers of avian-cross habitat spillover</b> Carolina Montealegre-Talero <sup>1</sup> , Andrea Larissa Boesing <sup>1</sup> , Jean Paul Metzger <sup>1,2</sup> <i>Department of Ecology, University of São Paulo</i>
Symposium 57
<b>P0071 Evaluation of Biodiversity and Ecosystem Services of Open Space for Green Infrastructure Planning</b> Shiori Takahashi <sup>1</sup> , Jun Nishihiro <sup>2,4</sup> <i>IDEA Consultants, Inc., <sup>2</sup>Toho University</i>
<b>P0175 Evaluation of flood exposure risk using anticipated inundation area map and land use map in Japan.</b> Yota Imai
Symposium 58
<b>P0110 Anthropocene concept of urban environment: integrative assessment of depletion and degradation of natural forest and biodiversity to the benefit of city landscape</b> Christian Tooche EGBUCHE

<p><b>P0117 Spectral indices for understanding green infrastructures – case study Bucharest Romania</b>  Ana-Maria Popa<sup>1</sup>, Cristian Iojă<sup>2</sup>, Mihai Niță<sup>2</sup>, Gabriel Vânău<sup>2</sup>, Ionuț Șandric<sup>1</sup>  <sup>1</sup>Faculty of Geography, University of Bucharest, <sup>2</sup>Centre for Environmental Research and Impact Studies, University of Bucharest</p>
<p><b>T0137 Methods for monitoring patterns of urbanisation: How suitable is Shannon’s entropy as a measure of urban sprawl?</b>  Jochen Jaeger</p>
<p><b>T0483 Sustainable Urban Transitions for Coastal Indian cities</b>  Navara A</p>
Symposium 59
<p><b>P0169 Conceptual framework and uncertainty analysis for large-scale, species-agnostic models of landscape connectivity: the case study of Alberta, Canada</b>  Ronan Marrec<sup>1</sup>, Hossam Abdel Moniem<sup>2</sup>, Majid Iravani<sup>3</sup>, Branko Hricko<sup>3</sup>, Jahan Kariyeva<sup>3</sup>, Helene Wagner<sup>1</sup>  <sup>1</sup>EDYSAN, UMR 7058 CNRS-UPJV, <sup>2</sup>University of Toronto, <sup>3</sup>Alberta Biodiversity Monitoring Institute, University of Alberta</p>
<p><b>P0180 A SWOT analysis of the ecosystem services at the local scale in specific protected area – Vlkolínec (Slovakia)</b>  Eva Pauditšová<sup>1</sup>, Eva Pauditsova<sup>1</sup>, Maria Kozova<sup>2</sup>, Ingrid Krajnakova<sup>1</sup>  <sup>1</sup>Faculty of Natural Sciences, Comenius University in Bratislava, Dept. of Landscape Ecology, <sup>2</sup>Catholic University in Ruzomberok, Faculty of Education</p>
<p><b>P0188 Ecological network in spatial planning in the countries of the Carpathians</b>  István Valánszki<sup>1</sup>, Krisztina Filep-Kovács<sup>1</sup>, László Kollányi<sup>1</sup>, Gabriella Nagy<sup>2</sup>, Klaudia Máté<sup>1</sup>, Ágnes Sallay<sup>1</sup>  <sup>1</sup>Szent István University, Faculty of Landscape Architecture and Urbanism, Department of Landscape Planning and Regional Development, <sup>2</sup>CEEweb for Biodiversity</p>
<p><b>T_9011 Stochastic geometry and graph-based modeling of agricultural landscapes: towards better understanding of population dynamics in biological control</b>  Patrizia Zamberletti<sup>1</sup>, Julien Papaix<sup>1</sup>, Edith Gabriel<sup>2</sup>, Thomas Opitz<sup>1</sup>  <sup>1</sup>INRA, BioSP, <sup>2</sup>Université Avignon</p>
<p><b>T0244 Mapping ecological connectivity in the European Alps</b>  Rachel Luethi<sup>1</sup>, Rudolf Haller<sup>1</sup>, Irena Bertonec<sup>2</sup>, Yann Kohler<sup>3</sup>, Aleš Poljanec<sup>4</sup>, Franziska Pöpperl<sup>5</sup>  <sup>1</sup>Swiss National Park, <sup>2</sup>Agricultural Institute of Slovenia, <sup>3</sup>ALPARC, <sup>4</sup>Slovenia Forest Service, <sup>5</sup>National Park Kalkalpen</p>
<p><b>T0505 Coming back home: recolonization of abandoned dens by crested porcupines and Eurasian badgers after wood-cutting and riparian vegetation mowing events</b>  Emiliano Mori<sup>1</sup>, Giacomo Assandri<sup>2</sup>  <sup>1</sup>Università degli Studi di Siena, <sup>2</sup>Department of Earth and Environmental Sciences, University of Pavia</p>
<p><b>T0708 Location of Biological Corridor of Fragmented Habitat by Roads and its Effect Evaluation on the Giant Panda Migration Based on Agent Based Model—Case Study of the Wolong Natural Reserve in Chi Dihua li</b></p>
Symposium 65
<p><b>PXX99 Getting out in the field: learning through experience in an unfamiliar landscape</b>  Annelies Van Caenegem<sup>1</sup>, Isabel Loupa Ramos<sup>2</sup>, Maria da Graça Saraiva<sup>2</sup>, Veerle Van Eetvelde<sup>1</sup>  <sup>1</sup>Ghent University – Department of Geography, <sup>2</sup>University of Lisbon - Instituto Superior Técnico Lisboa</p>
<p><b>P0084 From Rochester to Malmö: An international cross-institutional urban ecology course</b>  Elizabeth Hane<sup>1</sup>, Karl Korfmacher<sup>1</sup>  <sup>1</sup>Rochester Institute of Technology</p>
<p><b>P0134 Perceiving landscape as a special place through total immersive experiences.</b>  Annastella Gambini<sup>1</sup>, Serena Ciulla<sup>1</sup>  <sup>1</sup>UNIMIB</p>
<p><b>P0146 Landscapemetrics: introducing a new R tool to characterise landscapes</b>  Maximillian Hesselbarth<sup>1</sup>, Marco Sciaini<sup>1</sup>, Jakub Nowosad<sup>2</sup>, Sebastian Hanss<sup>1</sup>  <sup>1</sup>University of Gottingen; <sup>2</sup>Adam Mickiewicz University</p>
<p><b>P0184 In search of Nature: Teaching ecosystem services concept into primary school</b>  Martina Fava<sup>1</sup>, Claudia Canedoli<sup>2</sup>, Emilio Padoa-Schioppa<sup>2</sup>  <sup>1</sup>Department of Human Sciences for Education University Milano Bicocca, <sup>2</sup>Department of Earth and Environmental science, University of Milano-Bicocca</p>
<p><b>P0234 Mobartech: experiencing local heritage and cultural landscape in a Unesco site.</b>  Franca Zuccoli<sup>1</sup>, Valeria Pecorelli<sup>1</sup>, Alessandra De Nicola<sup>1</sup>  <sup>1</sup>University of Milano Bicocca</p>

<p><b>T0369 Supporting learning on the ecosystem services approach through role playing game simulation in secondary schools</b>  Elena Gissi<sup>1</sup>, Mattias Gaglio<sup>2</sup>, Elisa Anna Fano<sup>2</sup><sup>1</sup><i>Iuav University of Venice</i>,<sup>2</sup><i>University of Ferrara</i></p>
Symposium 70
<p><b>P0130 Exploring the joint application of seascape ecology, food-web modeling and ecosystem services for the implementation of the Water Framework directive in the Venice lagoon (Italy)</b>  Silvia Rova<sup>1</sup>, Marco Anelli Monti<sup>1</sup>, Fabio Pranovi<sup>1</sup><sup>1</sup><i>Environmental Sciences, Informatics and Statistics Dept., University Ca' Foscari of Venice</i></p>
<p><b>P0165 Assessing the delivery of ecosystem services in a climate change context: using ecological reasonable indicators</b>  Laura Basconi<sup>1</sup><sup>1</sup><i>Ca' Foscari University</i></p>
<p><b>P0217 Landscape study of "Utrish" reserve marine area</b>  Polina Makalova<sup>1</sup><sup>1</sup><i>Lomonosov Moscow State University</i></p>
Symposium 71
<p><b>P0149 Abundance of submerged aquatic vegetation and water quality as drivers of waterfowl distribution across an oligohaline bay and coastal wetland system</b>  Carly Sibia<sup>1</sup>, Lauren Mowbray<sup>2</sup>, Chad Boyce<sup>3</sup>, Jesus Aguirre Gutierrez<sup>1</sup>, Yadvinder Malhi<sup>1</sup><sup>1</sup><i>University of Oxford School of Geography and the Environment</i>,<sup>2</sup><i>U.S. Fish and Wildlife Service, Back Bay National Wildlife Refuge</i>,<sup>3</sup><i>Virginia Department of Game and Inland Fisheries</i></p>
<p><b>T0721 Maintaining longleaf pine habitat for red-cockaded woodpeckers under climate change</b>  Melissa Lucash<sup>1</sup>, Paul Pettus<sup>1</sup>, Robert Scheller<sup>2</sup><sup>1</sup><i>Portland State University</i>,<sup>2</sup><i>North Carolina State University</i></p>
Symposium 72
<p><b>P0136 Landscape restoration based on ecosystem services and historical recollections after the Great East Japan Earthquake of 2011</b>  Keitaru Hara</p>
<p><b>P_8220 Fluvial Morphotypes for Basin Planning</b>  Alexander Palummo</p>
<p><b>P0076 Significance of spatial interactions between patches of ecosystems with different ecological maturity and spatial position in the functioning of the landscape</b>  Pilar Martín de Agar<sup>1</sup>, Adrian Lazaro Lobo<sup>2</sup>, Carlos L. De Pablo<sup>1</sup>  <sup>1</sup><i>Departament of Biodiversity, ecology and evolution. Complutense University of Madrid</i>,<sup>2</sup><i>Mississippi State University</i></p>
Symposium 74
<p><b>P0017 Let's Democratize Drones! Using the Ryze Tello Drone as a Tool for Ecological Farm Design &amp; Landscape Ecology Research</b>  Jabez Joshua Flores<sup>1</sup>, Ara Kathleen Bagunu<sup>2</sup>  <sup>1</sup><i>School of Environmental Science and Management, University of the Philippines Los Banos</i>,<sup>2</sup><i>Permaculture Research PH</i></p>
<p><b>P0026 Enhancing coping mechanisms to hydrometeorological hazards of Manamoc Island, Cuyo, Palawan, Philippines</b>  Mylene Martinez<sup>1</sup>, Inocencio Jr. Buot<sup>2</sup><sup>1</sup><i>University of the Philippines Los Banos</i>,<sup>2</sup><i>Institute of Biological Sciences, College of Arts and Sciences, University of the Philippines Los</i></p>
<p><b>P0040 Finding potentially suitable sites for restoring endangered lily (<i>Lilium japonicum</i>) in Ishima island, Tokushima, Japan</b>  Yuichi Nada<sup>1</sup>, Naoki Iiyama<sup>2</sup>, Masako Watanabe<sup>2</sup>, Mahito Kamada<sup>1</sup>  <sup>1</sup><i>Department of Civil and Environmental Engineering, Graduate School of Advanced Technology and Science, Tokushima University</i>,<sup>2</sup><i>Research Center for Management of Disaster and Environment, Tokushima University</i></p>
<p><b>P0041 Local festival as a key for sustaining coastal pine forest of biocultural landscape</b>  Fumika Asanami<sup>1</sup>, Mahito Kamada<sup>1</sup><sup>1</sup><i>Department of Civil and Environmental Engineering, Graduate School of Advanced Technology and Science, Tokushima University</i></p>



<p><b>P0062 Threshold interactions in socio-ecological systems across spatial scales. Rural landscape development in Poland.</b></p> <p>Renata Włodarczyk-Marciniak<sup>1</sup>, Kinga Krauze<sup>1</sup>, Piotr Frankiewicz<sup>2</sup></p> <p><sup>1</sup>European Regional Centre for Ecohydrology of the Polish Academy of Sciences, <sup>2</sup>Department of Applied Ecology, Faculty of Biology and Environmental Protection, University of Lodz</p>
<p><b>P0119 Ecological restoration of a quarry and spiritual landscapes in motion for a Buddhist monastery</b></p> <p>Gianluigi Pirrera<sup>1</sup>, Carla Freccero<sup>2</sup></p> <p><sup>1</sup>A.I.P.I.N. (Associazione Italiana per l'Ingegneria Naturalistica), <sup>2</sup>Associazione Sangha Onlus</p>
<p><b>P0173 Ritual plant utilization in Balinese ceremonial facilities</b></p> <p>Made Pradnyan Dana Natawiguna<sup>1</sup>, Furuya Katsunori<sup>2</sup> <sup>1</sup>Bogor Agricultural University, <sup>2</sup>Graduate School of Horticulture Chiba University</p>
<p><b>P0208 Evaluation of Bio-Cultural Landscape in Tsushima Island, Nagasaki, Japan</b></p> <p>Hideki Kobayashi<sup>1</sup>, Naoko Fujita<sup>2</sup> <sup>1</sup>Kyushu University, <sup>2</sup>University of Tsukuba</p>
<p><b>T0486 Bio-cultural landscape values as perceived at community level – a case of disappearing steppe landscapes, southern Ukraine</b></p> <p>Maria Zachwatowicz<sup>1</sup>, Brian Kuns<sup>2</sup>, Ivan Moysiienko<sup>3</sup>, Mykola Homanyuk<sup>3</sup>, Polina Dayneko<sup>3</sup>, Mats Widgren<sup>2</sup></p> <p><sup>1</sup>University of Warsaw, Faculty of Biology, <sup>2</sup>Stockholm University, Department of Human Geography, <sup>3</sup>Kherson State University, Department of Botany</p>
Session Biodiversity Conservation
<p><b>T0931 Matrix type and patch size as drivers of avian-cross habitat spillover</b></p> <p>Carolina Montealegre-Talero<sup>1</sup>, Andrea Larissa Boesing<sup>1</sup>, Jean Paul Metzger<sup>1</sup> <sup>1</sup>Department of Ecology, University of São Paulo</p>
Open Session Poster
<p><b>P_0232 Identification of transport pathways and potential sources of PM2.5 in Panjin dring 2015</b></p> <p>Fei Chen</p>
<p><b>P_0233 Evaluation the Role of Urban Green Spaces and Urban Open Spaces on decrease of Noise pollution: A landscape ecology approach</b></p> <p>Maryam Hatami<sup>1</sup>, Abolfazl Jamali <sup>1</sup>Abangah co.</p>
<p><b>P0021 The expressing efficiency of landscape indices on mangrove heath status monitoring in Coastal mangrove wetlands</b></p> <p>Fang Li<sup>1</sup> <sup>1</sup>National Marine Environment Monitoring Center</p>
<p><b>P0056 Noise level and water availability drive resident and migratory bird species richness within a Brazilian megacity</b></p> <p>Karlla Vanessa de Camargo Barbosa<sup>1</sup>, Amanda D. Rodewald<sup>2</sup>, Milton Cezar Ribeiro<sup>3</sup>, Alex E. Jahn<sup>4</sup></p> <p><sup>1</sup>Universidade Estadual Paulista, <sup>2</sup>Cornell Lab of Ornithology and Department of Natural Resources, Cornell University, <sup>3</sup>Departamento de Ecologia, Laboratório de Ecologia Espacial e Conservação (LEEC), Rio Claro, <sup>4</sup>Environmental Resilience Institute, Indiana University</p>
<p><b>P0067 Conceptual patterns of movement by birds between habitat patches in forest landscape</b></p> <p>Ryoko Hirata<sup>1</sup>, Satoshi Ito<sup>1</sup>, Yasushi Mitsuda<sup>1</sup> <sup>1</sup>University of Miyazaki</p>
<p><b>P0078 A comprehensive assessment of the aesthetic quality of urban riparian landscapes</b></p> <p>Na Zhang<sup>1</sup>, Xin Wang<sup>1</sup>, Xiaorou Zheng<sup>1</sup> <sup>1</sup>University of Chinese Academy of Sciences</p>
<p><b>P0131 Effect of variation in habitat selection and gut passage time on seed dispersal in a fragmented landscape in Costa Rica</b></p> <p>Luis Antonio Arias Medellín<sup>1</sup>, Adam Hadley<sup>1</sup>, Sarah Frey<sup>2</sup>, Matthew Betts<sup>2</sup>, Helene Wagner<sup>1</sup></p> <p><sup>1</sup>University of Toronto Mississauga, <sup>2</sup>Oregon State University</p>
<p><b>P0141 Designing ecological networks using focal species: area-limited vs dispersal-limited species</b></p> <p>Olivia Dondina<sup>1</sup>, Valerio Orioli<sup>1</sup>, Luciano Bani<sup>1</sup> <sup>1</sup>University of Milano-Bicocca</p>
<p><b>P0143 Effects of unplanned occupation and Brazilian legislation on Atlantic Forest conservation in an urban matrix</b></p> <p>Elisa Hardt<sup>1</sup>, Thais Martins Issii<sup>1</sup>, Amanda Caetano Romero<sup>1</sup>, Erico Fernando Lopes Pereira-Silva<sup>2</sup> <sup>1</sup>Federal University of São Paulo – UNIFESP Department of Environmental Sciences, <sup>2</sup>University of São Paulo – USP Department of Ecology</p>

<p><b>P0148 Characterizing patterns and drivers of seasonal elevational movement of birds using citizen science data</b></p> <p>Mao-Ning Tuanmu<sup>1</sup>, Chie-Jen Ko<sup>2</sup>, Ya-Jung Lu<sup>1</sup>, Chia Hsieh<sup>1</sup>, Pei-Yu Tsai<sup>1</sup> <sup>1</sup><i>Biodiversity Research Center, Academia Sinica</i>, <sup>2</sup><i>Endemic Species Research Institute</i></p>
<p><b>P0164 Improving water retention in urban setting by ecohydrological segmentation: case study from Czechia</b></p> <p>Pavel Raška<sup>1</sup>, Martin Dolejš<sup>1</sup> <sup>1</sup><i>Department of Geography, Faculty of Science, J. E. Purkyně in Ústí nad Labem, Czech Republic</i></p>
<p><b>P0172 Does grizzly bear habitat quality reflect biodiversity and the provision of ecosystem services in western Canada?</b></p> <p>Majid Iravani<sup>1</sup>, Jerome Cranston<sup>1</sup>, Amy Nixon<sup>1</sup>, Tom Habib<sup>1</sup>, Carrie Selin<sup>1</sup> <sup>1</sup><i>Alberta Biodiversity Monitoring Institute, University of Alberta, Canada</i></p>
<p><b>P0176 The rural landscape of "Val di Non" (Trentino - Northern Italy): storytelling, images and design of places</b></p> <p>Michele Odorizzi<sup>1</sup> <sup>1</sup><i>University of Trento</i></p>
<p><b>P0186 Tourism Village as One Effort of Community-based Environmental Conservation Education</b></p> <p>Ray March Syahadat<sup>1</sup>, Ismail Saleh<sup>2</sup>, Priambudi Trie Putra<sup>1</sup>, Cici Nurfatimah<sup>1</sup>, Rina DwicaDesyana<sup>3</sup></p> <p><sup>1</sup><i>Department of Landscape Architecture, National Institute of Science and Technology</i>, <sup>2</sup><i>Department of Agrotechnology Department, Swadaya Gunung Jati University</i>, <sup>3</sup><i>Indonesian Society of Landscape Architects</i></p>
<p><b>P0205 Cultural ecosystem services in an urban park: the case of Parco Nord (Milan) in integrating scientific research with management</b></p> <p>Claudia Canedoli<sup>1</sup>, Luca Mazzini<sup>1</sup>, Emilio Padoa-Schioppa<sup>1</sup> <sup>1</sup><i>Department of Earth and Environmental sciences, University of Milano-Bicocca</i></p>
<p><b>P0223 Effect of landscape configuration on the community structure of waterbird in a conservation gradient of western south coast of Cuba</b></p> <p>Susana Aguilar<sup>1</sup>, Lourdes Mugica<sup>2</sup>, Martin Acosta<sup>2</sup>, Karen Aguilar<sup>3</sup>, Rodolfo Castro<sup>4</sup>, Lilian Tonelli<sup>1</sup></p> <p><sup>1</sup><i>Universidade Federal do Paraná, Setor de Ciências Biológicas</i>, <sup>2</sup><i>Havana University, Faculty of Biology</i>, <sup>3</sup><i>Havana University, Faculty of Geography</i>, <sup>4</sup><i>National Institute of Agricultural Sciences</i></p>
<p><b>P_8185 Within-community beta-diversity of breeding birds driven by environmental factors</b> Chia Hsieh<sup>1</sup></p> <p><sup>1</sup><i>Biodiversity Research Center, Academia Sinica, Taiwan</i></p>
<p><b>P0177 Relationship between historical land use and the current state of soils in agrosilvopastoral systems in Southwest Spain</b> Judit Rubio-Delgado<sup>1</sup>, Schnabel Susanne<sup>2</sup>, Alvaro Gomez-Gutierrez<sup>2</sup>, <sup>1</sup><i>INDEHESA, Forest Research group, University of Extremadura</i>, <sup>2</sup><i>INTERRA,, Geoenviromental Research Group, University of Extremadura</i></p>

## LIST OF PARALLEL SYMPOSIA AND SESSIONS

**Symposium 01 - Disappearing snow and altered ecosystems: Observations, experiments, and outcomes.** Brian Buma  
*Day Thursday 4<sup>th</sup> Room U6-1a*

**Symposium 02 - From conservation priority area to ecological security pattern.** Jian Peng, Jeroen Meersmans *Day Tuesday 2<sup>th</sup> Room U6-1c*

**Symposium 03 - Integrating food systems into landscape research.** Maria Garcia-Martin, Tobias Plieninger, Mario Torralba *Day Thursday 4<sup>th</sup> Room U6-07*

**Symposium 04 - Reconstructing past landscapes to simulate future sustainable scenarios through multidisciplinary approaches.** Rebecca Kariuki, Colin Courtney-Mustaphi, Claudia Capitani *Day Thursday 4<sup>th</sup> Room U6-1d*

**Symposium 05 - The ecological role of sound in terrestrial and aquatic landscapes: theories, methods and application of ecoacoustics.** Almo Farina, Susan Fuller, Sandra Muller, Alice Eldridge, Gianni Pavan *Day Thursday 4<sup>th</sup> Room U6-1b*

**Symposium 07 - Anthropocene or Urbanocene? The need of a new theory of global sustainability, including urban metabolism.** Massimo Palme, Luis Inostroza, Daniele La Rosa *Day Friday 5<sup>th</sup> Room U6-1c*

**Symposium 08 - Towards a 'traits' framework that is both ecologically and socio-culturally relevant: Functional traits beyond life history characteristics. Join a discussion on theory and application.** Erik Andersson, Dagmar Haase, Timon McPhearson, Johannes Langemeyer *Day Tuesday 2<sup>th</sup> Room U6-1d*

**Symposium 09 - Scoping with future challenges in mountain landscapes.** Uta Schirpke, Ulrike Tappeiner, Georg Leitinger *Day Tuesday 2<sup>th</sup> Room U6-04 Aula Martini*

**Symposium 10 - Using landscape simulation models to help balance conflicting goals in a changing forest: from timber production to carbon sequestration and biodiversity conservation.** Anouschka Hof, Miguel Montoro Girona, Caren Dymond *Day Tuesday 2<sup>th</sup> Room U6-03*

**Symposium 11 - From urban agriculture to edible cities – challenges and chances for approaching sustainable urban socio-ecological systems.** Martina Artmann, Jan Vávra, Rommel Marius *Day Tuesday 2<sup>th</sup> Room U6-08*

**Symposium 12 - Landscape resilience and ecological governance in Anthropocene.** Yangfan Li, Yi Li *Day Thursday 4<sup>th</sup> Room U6-08*

**Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance.** Hersperger Anna M., Grădinaru Simona R., Pierri Daunt Beatriz *Day Tuesday 2<sup>th</sup> Room U6-07*

**Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands.** Zhifeng Wu, Paolo Tarolli, Xiuzhen Li *Day Tuesday 2<sup>th</sup> Room U6-18*

**Symposium 15 -Toward a landscape-scale management of large carnivores in human-dominated areas.** Olivia Dondina, Valerio Orioli, Alberto Meriggi *Day Friday 5<sup>th</sup> Room U6-05*

**Symposium 16 - Data Science in environmental research, planning and evaluation – for a scalable multi-source environmental monitoring network.** Lausch Angela *Day Thursday 4<sup>th</sup> Room U6-1a*

**Symposium 17 - Metropolitan Landscapes. Resilient articulation of the interface between city, agriculture and nature promoting the quality of dwelling and ensure the human well-being within the metropolis.** Antonella Contin, Domingo Sanchez Fuentes, Ramon Reyes *Day Tuesday 2<sup>nd</sup> Room U6-1a*

**Symposium 18 - Temporal dynamics in landscape science: New applications and opportunities in social-ecological systems.** Alexander Killion, Mario Torralba, Patrick Behrer, Jessica Gilbert, Adam Dixon *Day Thursday 4<sup>th</sup> Room U6-05*

**Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals.** Wenwu Zhao, Manish Kumar Goyal, Yihe Lu, Paolo Tarolli, Stefani Daryanto *Day Tuesday 2<sup>nd</sup> and Thursday 4<sup>th</sup> Room Aula Magna*

**Symposium 20 - Challenges of Arid and Semi-Arid Landscapes in the Anthropocene: Searching for New approaches for Adaptation, Conservation, Planning and Management.** Sima Fakheran, Wenjiang Liu, Xi Chen, Josef Senn *Day Friday 5<sup>th</sup> Room Aula Magna*

**Symposium 22 (together with 48) - Land-use legacies and forest change: understanding the past to forecast the future.** Matteo Garbarino, Peter Weisberg *Day Tuesday 2<sup>th</sup> Room U6-09*

**Symposium 24 - Multiple roles for landscape ecology in future farming systems.** Diane Pearson, Richard Aspinall, Julian Gorman [Day Thursday 4<sup>th</sup> Room U6-10](#)

**Symposium 26 - Application of novel remote sensing data and techniques to habitat and biological assessments.** Bronwyn Price, Christian Ginzler, Janine Bolliger [Day Thursday 4<sup>th</sup> Room U6-09](#)

**Symposium 27 - Working with Natural Processes: Co-benefits at the Landscape Scale.** Jessica Neumann, Chris Short, Emma Shuttleworth [Day Friday 5<sup>th</sup> Room U6-1d](#)

**Symposium 28 - Forest disturbances as drivers of tree species range shifts under global change.** Juha Honkaniemi, Brian Buma [Day Friday 5<sup>th</sup> Room U6-02](#)

**Symposium 29 - Good anthropocene practices in contributing landscape ecology. Discourses and perspectives on governance process towards resilience and adaptation of complex systems.** Angela Colucci, Emma Puerari, Luca Sára Bródy [Day Friday 5<sup>th</sup> Room U6-08](#)

**Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services.** Felix Herzog, Yunhui Liu, Majid Iravani, Tian Xiang Yue [Day Tuesday 2<sup>nd</sup> and Thursday 4<sup>th</sup> Room U6-02](#)

**Symposium 31 - Biocultural Seascapes of the Anthropocene.** Gloria Pungetti, Sun-Kee Hong [Day Thursday 4<sup>th</sup> Room U6-06](#)

**Symposium 32 - Past, present, and future resilience of forest landscapes: Unpacking effects of multi-scale climate change.** Rupert Seidl, Winslow D. Hansen [Day Friday 5<sup>th</sup> Room U6-1e](#)

**Symposium 35 - Planning and design for sustainable and healthy cities: mainstreaming urban ecological measures beyond demonstration projects.** Ina Saumel, Federica Larcher [Day Friday 5<sup>th</sup> Room U6-1b](#)

**Symposium 36 - The importance of coppice forests for landscape diversity and the factors influencing the proportion and distribution of young growth stages.** Debbie Bartlett, Valeriu-Norocel Nicolescu [Day Thursday 4<sup>th</sup> Room U6-1e](#)

**Symposium 38 - 3-D landscape metrics and visualization techniques - applications in spatial planning, environmental assessment and participatory decision processes.** Christine Furst, Mihai Stupariu, Ileana Stupariu [Day Friday 5<sup>th</sup> Room U6-06](#)

**Symposium 39 - The design of the contemporary cities through a green and blue infrastructure for Ecosystem services provision.** Silvia Ronchi, Andrea Arcidiacono, Angela Colucci [Day Tuesday 2<sup>th</sup> Room U6-1a](#)

**Symposium 40 - Challenge and opportunity in the creation of bee landscapes.** Sabine van Rooij, Eveliene Steingrover, Arjen de Groot, Lawrence Jones-Walters [Day Thursday 4<sup>th</sup> Room U6-08](#)

**Symposium 41 - Ecology, water and the city: strengthening water-sensitive planning with Nature-Based Solutions in urban contexts.** Daniele La Rosa, Raffaele Pelorosso [Day Friday 5<sup>th</sup> Room U6-07](#)

**Symposium 42 - Landscape monitoring: best practices and new developments for an integrated assessment of landscape change.** Flurina Wartmann, Felix Kienast, Marcel Hunziker [Day Thursday 4<sup>th</sup> Room U6-03](#)

**Symposium 43 - Planning with nature for sustainable landscape development: lessons-learned from around the world.** Christian Albert, Zhifang Wang [Day Friday 5<sup>th</sup> Room U6-04 Aula Martini](#)

**Symposium 45 - Conservation in the city.** Heather Sander [Day Tuesday 2<sup>th</sup> Room U6-06](#)

**Symposium 46 - Landscape trajectories during the long Anthropocene: dialogues between ecology and archaeology.** Giuseppe Bazan, Angelo Castrorao Barba [Day Thursday 4<sup>th</sup> Room U6-12](#)

**Symposium 47 - Biophysical Methods for the Quantification, Mapping and Assessment of Ecosystem Services.** Bastian Steinhoff-Knopp, Benjamin Burkhard [Day Friday 5<sup>th</sup> Room U6-03](#)

**Symposium 48 (together with 22) - The role of landscape experiments to inform large-scale habitat restoration.** Kevin Watts, Kirsty Park, Elisa Fuentes-Montemayor [Day Tuesday 2<sup>th</sup> Room U6-09](#)

**Symposium 49 - Challenges for subterranean landscape conservation in the world's karst regions.** Claudia Canedoli, Chris Groves, Emilio Padoa-Schioppa [Day Thursday 4<sup>th</sup> Room U6-07](#)

**Symposium 50 - Disturbance, degradation, and restoration in fragile ecosystems: Implications for resource distribution and ecosystem service.** Junran Li, Sujith Ravi, Shiliang Liu, Yihe Lv [Day Tuesday 2<sup>th</sup> Room U6-05](#)

**Symposium 51 - Modeling the structure and functioning of forest landscapes under changing climate and disturbance regimes.** Giorgio Vacchiano, Heike Lischke, Paola Mairota, Rupert Seidl [Day Thursday 4<sup>th</sup> Room U6-1f](#)

**Symposium 52 - Urban Sprawl: From Measurement to Management.** Jochen Jaeger [Day Thursday 4<sup>th</sup> Room U6-1d](#)

**Symposium 53 - Policy and governance innovation in agricultural landscapes: recent trends and future pathways towards enhanced sustainability and food security.** José Muñoz-Rojas, Teresa Pinto-Correia, Rafael Mata-Olmo, Isabel Loupa-Ramos, Lone Kristensen [Day Tuesday 2<sup>th</sup> Room U6-1b](#)

**Symposium 55 - Assessing the patterns and drivers of land-use intensity change.** Robert Pazur, Matthias Bürgi, Alexander Prishchepov [Day Tuesday 2<sup>th</sup> Room U6-12](#)

**Symposium 56 - Biodiversity spillover in fragmented landscapes and effects on ecosystem services provision and regulation.** Andrea Larissa Boesing, Paula Ribeiro Prist [Day Tuesday 2<sup>th</sup> Room U6-1b](#)

**Symposium 57 - Green Infrastructure as a way to rethink Ecological Landscape Planning.** Camila Sant' Anna, Maria do Carmo De Lima Bezerra [Day Friday 5<sup>th</sup> Room U6-09](#)

**Symposium 58 - Urbanisation. Concepts, methods and spatially explicit indicators.** Luis Inostroza, Steward Pickett [Day Thursday 4<sup>th</sup> Room U6-18](#)

**Symposium 59 - Understanding the capacity of Landscape connectivity and ecosystem integrity to supply multiple ecosystem services: insights into sustainable landscapes.** Luque Sandra, Le Louarn Marine, van Dijk Jiska [Day Thursday 4<sup>th</sup> Room U6-04](#)

**Symposium 60 - Implementing the Green Infrastructure Approach in Central Europe and beyond.** Marco Neubert, Thomas Wrbka, Hana Skokanova, Henriette John [Day Thursday 4<sup>th</sup> Room U6-09](#)

**Symposium 62 - The European Landscape Convention 20 years after: Achievements, Progresses, and Opportunities.** Wei-Ning Xiang, Daniele La Rosa, Christian Albert [Day Thursday 4<sup>th</sup> Room U6-1b](#)

**Symposium 63 – How is landscape ecology shaped by research policies?.** Werner Rolf, Isabel Loupa-Ramos, Jonathan Porter, Veerle Van Eetvelde, Wenche Dramstad [Day Thursday 4<sup>th</sup> Room Aula Magna](#)

**Symposium 64 - Deciphering environmental gradients in landscapes for a better understanding of biodiversity dynamics.** Jacques Baudry, Angela Lausch, Paola Mairota [Day Thursday 4<sup>th</sup> Room U6-10](#)

**Symposium 65 - Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene.** Veerle Van Eetvelde, Simona Grădinaru, Wenche Dramstad, Werner Rolf, Ileana Stupariu [Day Tuesday 2<sup>th</sup> Room U6-10](#)

**Symposium 66 - The landscape approach - key to enhance sustainable land use in Europe and North-America as well?** Bas Pedroli, Wenche Dramstad [Day Thursday 4<sup>th</sup> Room U6-1e](#)

**Symposium 67 - Towards visionary peri-urban landscapes? Environmental governance mixes for sustainable peri-urbanization.** Marcin Spyra, Christine Fürst, Tereza Aubrechtova, Alina Schürmann [Day Tuesday 2<sup>th</sup> Room U6-1e](#)

**Symposium 69 - Satellite and UAV (Drone) systems for assessing and monitoring of ecological landscapes of Africa.** Moses Azong, Henry Bulley, Jane Bemigisha, Yazidhi Bamutaze, Aniko Polo-Akpisso [Day Thursday 4<sup>th</sup> Room U6-02](#)

**Symposium 70 - Seascape Ecology.** Alessandra Savini, Simone Farina, Luca Fallati, Daniele Grech [Day Tuesday 2<sup>th</sup> Room U6-1f](#)

**Symposium 71 - Synergistic Effects of Climate and Management on Biodiversity.** Robert Scheller, Matthew Betts, Melissa Lucash [Day Tuesday 2<sup>th</sup> Room U6-1e](#)

**Symposium 72 - Theoretical and practical challenges for planning landscape restoration.** Cristian Echeverria [Day Thursday 4<sup>th</sup> Room U6-04](#)

**Symposium 73 – Social theory and landscape ecology – Interpreting, explaining and modelling landscape management practices and decision-making in the Anthropocene.** Andreas Aagaard Christensen, Veerle Van Eetvelde, Anna Hersperger, Terry Marsden, Matthias Buchecker [Day Friday 5<sup>th</sup> Room U6-10](#)

**Symposium 74 - Biocultural Landscapes During the Anthropocene.** Inocencio Jr. Buot, Regan Leonardus Kaswanto [Day Thursday 4<sup>th</sup> Room U6-06](#)

**Session Anthropogenic Landscapes**

[Day Tuesday 2<sup>th</sup> Room U6-1d](#)

**Session Biodiversity Conservation**

[Day Tuesday 2<sup>th</sup> Room U6-03](#)

**Session Dynamic and Disturbances in Landscapes**

*Day Friday 5<sup>th</sup> Room U6-1f*

**Session Habitat Fragmentation and Landscape Connectivity**

*Day Tuesday 2<sup>th</sup> Room U6-08*

**Session Landscape Metrics**

*Day Thursday 4<sup>th</sup> Room U6-1c*

**Session Public Participation**

*Day Friday 5<sup>th</sup> Room U6-18*

**Session Remote Sensing and Landscape Ecology**

*Day Friday 5<sup>th</sup> Room U6-1a*

**Session Soil, Vegetation and Biodiversity**

*Day Friday 5<sup>th</sup> Room U6-12*

**Session Urban Forestry**

*Day Tuesday 2<sup>th</sup> Room U6-09*

**Session Urban Planning**

*Day Thursday 4<sup>th</sup> Room U6-1f*



MONDAY 1 <sup>st</sup> JULY, 2019																			
ROOM ->	Aula Magna	U6-02	U6-03	Aula Martini (U6-04)	U6-05	U6-06	U6-07	U6-08	U6-09	U6-10	U6-12	U6-13	U6-1a	U6-1b	U6-1c	U6-1d	U6-1e	U6-1f	U6-18
Morning 10:30 14:00									SIEP-IALE General assembly			Biocultural landscapes WG (12:00- 14:00)			IALE COUNCIL (13:00- 14:00)				
Morning 11:30 14:30/	Registration opening																		
Afternoon 14:30 15:00	Official congress opening																		
Afternoon 15:00 15:45	Plenary 1 Nagendra																		
15:45 16:15	COFFEE BREAK																		
Afternoon 16:15 17:00	Plenary 2 Ellis																		
Afternoon 17:00 18:30	Opening cerimony IALE																		
18:30 19:00	Poster session 1																		
18:00 19:00	APERITIF																		

TUESDAY 2 <sup>nd</sup> JULY, 2019																			
ROOM ->	Aula Magna	U6-02	U6-03	Aula Martini (U6-04)	U6-05	U6-06	U6-07	U6-08	U6-09	U6-10	U6-12	U6-13	U6-1a	U6-1b	U6-1c	U6-1d	U6-1e	U6-1f	U6-18
Morning 08:30 10:00	Plenary																		
10:00 10:30	COFFEE BREAK																		
Morning 10:30 12:30/12:45	Symp 19	Symp 30	Symp 10	Symp 09	Symp 50	Symp 45	Symp 13	Symp 11	Symp 22 (& 48)		Symp 55	Symp 14	Symp 17	Symp 53	Symp 02	Symp 08	Symp 71	Symp 70	
12:30 14:00	LUNCH																		
Ecological processes journal meeting																			
Afternoon 14:00 15:30	Symp 19	Symp 30	Symp 10	Symp 09	Symp 50	Symp 45	Symp 13	Symp 11	Symp 22 (& 48)	Symp 65	Symp 55	Symp 14	Symp 39	Symp 56	Symp 02	Session Anthropogenic Landscapes	Symp 67		
15:30 16:00	COFFEE BREAK																		
Afternoon 16:00 17:30/17:45	Symp 19	Symp 30	Session biodiversity conservation	Symp 09	Symp 50		Symp 13	Session Habitat Fragmentation	Session Urban forestry	Symp 65		Symp 14	Symp 39	Symp 56		Session Anthropogenic Landscapes	Symp 67		
17:30 19:00	Poster session 2																		
Other events								IALE General Assembly (19:00/20:30)		Landscap ecology Journa Meeting (17:30-19:30)									

**THURSDAY 4<sup>th</sup> JULY, 2019**

1

**FRIDAY 5<sup>th</sup> JULY, 2019**

1