

CONGRESS PROGRAM

MONDAY, 1st July 2019

11.30	Registration opening Building U6, ground floor
14:40 -15:00	Congress Opening Room: Aula Magna
15:00 – 15:45	PLENARY TALK Room: Aula Magna Landscape Ecology in a Changing Climate: Science, Society and Action Harini Nagendra <i>Azim Premji University, India</i>
	<i>Coffee break</i>
16:15 – 17:00	PLENARY TALK Room: Aula Magna Managing Earth's Landscapes Towards a Better Future Erle Ellis <i>University of Maryland, USA</i>
17:00 – 18:00	IALE
18:00 – 19:00	Poster session 1 Groundfloor
19:00	Welcome cocktail

TUESDAY, 2th July 2019

8.30-10.00	<p>PLENARY TALK</p> <p>Anthropocene Challenges to Urban systems, models, actors, landscapes; Metropolis to Megacity: a dialogue between teacher and scholar.</p> <p>Grahame Shane and Ed Wall</p>
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Tuesday, 2 July 2019

10.30-12.30	<p>Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals Room: Aula Magna</p> <p>Session Organisers: Wenwu Zhao¹, Yihe Lu², Manish Kumar Goyal⁵, Francesco Cherubini³, Walter Musakwa⁴, Richard Ross Shaker⁶, Stefani Daryanto⁷</p> <p><i>¹Faculty of Geographical Science, Beijing Normal University, ²Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, ³Norwegian University of Science and Technology, ⁴University of Johannesburg, ⁵Indian Institute of Technology Indore, ⁶Ryerson University, ⁷Indiana University – Purdue University Indianapolis</i></p>
10.30-10.45	Introduction to Symposium 19
10.45-11.00	<p>T_0982 The impact urban expansion on the environment in Harare, Zimbabwe</p> <p>Walter Musakwa¹, Innocent Chirisa², Emmanuel Fundisi³ ¹Department of Town and Regional Planning, University of Johannesburg, ²University of Zimbabwe, ³Department of Geography and Energy Studies University of Johannesburg</p>
11.00-11.15	<p>T0042 Linking ecosystem services with Sustainable Development Goals based on expert knowledge</p> <p>Wenwu Zhao¹, Siqi Yang¹, Ting Hua¹ ¹Beijing Normal University</p>
11.15-11.30	<p>T0055 Effects of vegetation exposure on the well-being of urban inhabitants</p> <p>Cynnamon Dobbs¹, Carolina Cordova¹ ¹Center for modeling and monitoring ecosystems, Universidad Mayor</p>
11.30-11.45	<p>T0126 Spatiotemporal patterns, relationships, and drivers of China's agricultural ecosystem services from 1980 to 2010: A multiscale analysis</p> <p>Deyong Yu¹ ¹Beijing Normal University</p>
11.45-12.00	<p>T0521 The role of Landscape sustainability science within the framework of forest Biodiversity and global change impacts</p> <p>Luque Sandra¹ ¹IRSTEA-National Research Institute of Science and Technology for Environment and Agriculture UMR TETIS Land, environment, remote sensing and spatial information</p>
12.00-12.15	<p>T0280 Worldwide patterns of ecosystem services and environmental conservation based on the Human Development Index</p> <p>Ricardo Martinez-Prentice¹, Carlos Martínez-Núñez² ¹Independent researcher, ²University of Jaén</p>
12.15-12.30	<p>T0332 Pathways from payments for ecosystem services to positive socioeconomic outcomes</p> <p>Xutong Wu¹ ¹Peking University</p>

Tuesday, 2 July 2019

10.30-12.30	<p style="text-align: center;">Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services</p> <p style="text-align: center;">Room: U6 - 02</p> <p style="text-align: center;">Session Organisers: Felix Herzog¹, Yunhui Liu², Majid Iravani³, Tian Xiang Yue⁴ ¹Agroscope, ²China Agricultural University, ³University of Alberta / Alberta Biodiversity Monitoring Institute, ⁴Chinese Academy of Sciences</p>
10.30-10.45	Introduction to Symposium 30
10.45-11.00	<p>T0743 The past present and future fragmentation in the Swedish landscape, as contribution to loss of biodiversity</p> <p>Anna Allard¹, Henrik Hedenås¹, Marcus Hedblom², Sven Adler¹, Pernilla Christensen¹ <i>Landscape Analysis, Forest Resource management, SLU, Umea, ²Landscape Analysis, Forest Resource management, SLU, Uppsala</i></p>
11.00-11.15	<p>T0835 Combining remote sensing and field surveys in the Austrian farmland biodiversity monitoring "ÖBM Kulturlandschaft"</p> <p>Stefan Schindler¹, Gebhard Banko¹, Dietmar Moser¹, Martin Neuwirth¹, Stefan Lackner¹, Roland Grillmayer¹ <i>¹Environment Agency Austria</i></p>
11.15-11.20	<p>T0442 Shattered agricultural landscapes: from diverse structure to uniformity and fragmentation: analyses of two data-sets of BINATS I and II</p> <p>Kathrin Pascher¹, Christa Hainz-Renetzeder², Bärbel Pachinger³, Thomas Frank¹ <i>¹University of Natural Resources and Life Sciences, Vienna (BOKU), Department of Integrative Biology and Biodiversity Research, Institute of Zoology, ²University of Natural Resources and Life Sciences, Vienna (BOKU), Department of Landscape, Spatial and Infrastructure Sciences, Institute of Landscape Development, Recreation and Conservation Planning (ILEN), ³University of Natural Resources and Life Sciences, Vienna (BOKU), Department of Integrative Biology and Biodiversity Research, Institute of Integrative Nature Conservation Research</i></p>
11.20-11.25	<p>T0463 Progress in farmland biodiversity monitoring in Germany</p> <p>Petra Dieker¹, Heike Kappes¹, Sebastian Klimek¹, Jens Dauber¹ <i>¹Thünen Institute of Biodiversity</i></p>
11.25-11.30	<p>T0813 Linking farmland bird species to land use data in a national landscape monitoring programme</p> <p>Christian Pedersen¹, Svein Olav Krogli¹ <i>¹Norwegian Institute of Bioeconomy Research</i></p>
11.30-11.45	<p>T0038 Farmland biodiversity monitoring for improving agri-environmental policy</p> <p>Felix Herzog¹, Klaus Ecker², Alex Indermaur¹, Gisela Lüscher¹, Susanne Riedel¹, Eliane Meier¹ <i>¹Agroscope, ²Swiss Federal Institute for Forest, Snow and Landscape Research WSL</i></p>
11.45-12.00	<p>T0731 Assessing farmland ecosystem services in Canadian prairies: contributing knowledge to decision-making systems</p> <p>Majid Iravani^{1,2}, Marian Weber³, Shannon R. White², Monireh Faramarzi¹ <i>¹Watershed Science Modelling Laboratory, Department of Earth and Atmospheric Sciences, Faculty of Science, University of Alberta, Canada, ²Alberta Biodiversity Monitoring Institute, Department of Biological Sciences, University of Alberta, Canada, ³InnoTech Alberta, Canada</i></p>
12.00-12.15	<p>T0675 Exploring long term monitoring data to establish agro-ecological patterns in grassland at landscape scales for comparison with innovative grassland farming practices.</p> <p>Lisa Norton</p>
12.15-12.30	<p>T0810 High Nature Value Farmland Monitoring: A closer look uncovers different trends in German farmland biodiversity</p> <p>Armin Benzler¹, Daniel Fuchs² <i>¹Federal Agency for Nature Conservation (BfN) Germany, ²PAN GmbH</i></p>

Tuesday, 2 July 2019

10.30-12.30	<p style="text-align: center;">Symposium 10 - Using landscape simulation models to help balance conflicting goals in a changing forest: from timber production to carbon sequestration and biodiversity conservation</p> <p style="text-align: center;">Room: U6 - 03</p> <p style="text-align: center;">Session Organisers: Anouschka Hof¹, Miguel Montoro Girona², Caren Dymond³ ¹Wageningen University, ²Swedish University of Agricultural Sciences, ³Ministry of Forests, Lands and Natural Resource Operations, Government of British Columbia</p>
10.30-10.45	Introduction to Symposium 10
10.45-11.00	<p>T0575 The effect of climate, the modern land-use regime, and alternative future scenarios on forest carbon in New England, USA</p> <p>Matthew Duveneck¹, Jonathan Thompson¹ ¹Harvard Forest, Harvard University</p>
11.00-11.15	<p>T0421 Are there potential conflicts among renewable energy, biodiversity, and ecosystem services? Scenario analysis of land use management and selection among renewable energy alternatives</p> <p>Chihiro Haga¹, Marimi Maeda¹, Takanori Matsui¹, Takashi Machimura¹ ¹Osaka University</p>
11.15-11.30	<p>T0119 Economic benefits of mitigating climate change through adaptive planting in forestry</p> <p>Caren Dymond¹, Krysta Giles-Hansen², Patrick Asante¹ ¹Government of British Columbia, ²Ecora</p>
11.30-11.45	<p>T0510 Forest decision support system as tools for multi-objective landscape level planning - applications of the Swedish Heureka system</p> <p>Johanna Lundström¹, Karin Öhman¹, Tomas Lämås¹ ¹Swedish University of Agricultural Sciences</p>
11.45-12.00	<p>T0043 Application of the space-for-time substitution method in validating long-term biomass predictions of a forest landscape model</p> <p>Jun Ma¹, Xiangming Xiao², Rencang Bu³, Yuanman Hu³ ¹Fudan University, ²University of Oklahoma, ³Institute of Applied Ecology, Chinese Academy of Sciences</p>
12.00-12.15	<p>T0108 Disturbance interaction research within forested landscapes</p> <p>Fortin Marie-Josée¹, Brian Sturtevant² ¹University of Toronto, ²Institute for Applied Ecosystem Studies, Northern Research Station, USDA Forest Service</p>
12.15-12.30	<p>T0558 The Scandinavian mountains intact forest landscape green infrastructure</p> <p>Johan Svensson¹, Jakub Witold Bubnicki², Bengt Gunnar Jonsson³, Grzegorz Mikusinski¹ ¹Swedish University of Agricultural Sciences, ²Mammal Research Institute Polish Academy of Sciences, ³Mid Sweden University</p>

Tuesday, 2 July 2019

10.30-12.30	<p style="text-align: center;">Symposium 09 - Scoping with future challenges in mountain landscapes</p> <p style="text-align: center;">Room: Aula Martini (U6 - 4)</p> <p style="text-align: center;">Session Organisers: Uta Schirpke^{1,2}, Genxu Wang³, Jie Gong⁴, Ulrike Tappeiner^{1,2}, Georg Leitinger¹, Emilio Padoa-Schioppa⁵, Fausto Manes⁶, Per Angelstam⁷ ¹University of Innsbruck, Department of Ecology; ²Eurac Research, Institute for Alpine Environment, ³Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, ⁴Lanzhou University, ⁵University of Milano-Bicocca, ⁶University of Roma - La Sapienza, ⁷Swedish University of Agricultural Sciences</p>
10.30-10.45	Introduction to Symposium 09
10.45-11.00	<p>P0135 Benefits beyond borders: global progress with transboundary conservation in mountain areas</p>

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

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

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

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10.30-12.25	Symposium 45 - Conservation in the city Room: U6 - 6 Session Organisers: Heather Sander ¹ ¹ University of Iowa
10.30-10.40	Introduction to Symposium 45
10.40-10.45	P0018 Changes in spider assemblages and their preys along an urbanization gradient in the city of Torino (NW-Italy) Elena Piano ¹ , Marco Isaia ¹ ¹ Department of Life Science and Systems Biology, University of Turin
10.45-10.50	P0058 Effects of Urbanization on Reproductive Success in Common Milkweed Sophie Breitbart ¹ , Helene Wagner ¹ , Marc Johnson ¹ ¹ University of Toronto Mississauga
10.50-10.55	P0109 Influence of urban tree species and noise levels on of Brasilia city's avifauna, Brazil Mayara Machado Guimarães ¹ , Mayara Machado Guimarães ¹ , Rodrigo Studart Corrêa ¹ , João Carlos Castro Pena ² ¹ Universidade de Brasília, ² Unesp, Brazil
10.55-11.00	P0195 Conservation of bats along an urbanization gradient: The effect of vegetation structure, buildings and artificial light Marcela Suarez-Rubio ¹ , Susanne Reier ¹ , Emilia Höfinger ¹ , Alexander Bruckner ¹ ¹ University of Natural Resources and Life Sciences (BOKU)
11.00-11.15	T0523 Disentangling the influences of urban environmental attributes on bird morphological and life-history traits João Carlos Castro Pena ¹ , Otso Ovaskainen ² , Ian MacGregor-Fors ³ , Camila Palhares Teixeira ⁴ , Milton Cezar Ribeiro ¹ ¹ Spatial Ecology and Conservation Lab, UNESP, ² University of Helsinki, ³ Instituto de Ecologia A.C., ⁴ Unifem
11.15-11.30	T0319 Dimming of LED street-lights facilitates dark corridors for nocturnal insects and bats Bolliger Janine ¹ , Pazur Robert ¹ ¹ WSL Swiss Federal Research Institute

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

Tuesday, 2 July 2019

10.30-12.30	Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance Room: U6 - 7 Session Organisers: Hersperger Anna M. ¹ , Grădinaru Simona R. ² , Pierrri Daunt Beatriz ³ ¹ <i>Swiss Federal Research Institute WSL</i> , ² <i>University of Bucharest</i> , ³ <i>State University of São Paulo</i>
10.30-10.45	Introduction to Symposium 13 – Anna Hersperger
10.45-11.00	T0724 From strategic to operational: innovative approaches to integrate ecosystem service knowledge in urban planning Chiara Cortinovis ¹ , Davide Geneletti ¹ ¹ <i>University of Trento</i>
11.00-11.15	T0733 A National Strategic Plan for Ecological Security for China Liyang Xu ¹ , Xuesong Xi ² , Ke Liu ¹ , Dihua Li ¹ , Kongjian Yu ¹ ¹ <i>Peking University</i> , ² <i>China Agricultural University</i>
11.15-11.30	T0896 Urban and rural Landscape Plans at the municipal level. Towards a nature based planning/designing action. Carmela Canzonieri ¹ ¹ <i>Independent researcher</i>
11.30-11.45	T0062 Town Ecology: For the Land of Towns and Vilages Richard T. T. Forman ¹ ¹ <i>Harvard University</i>
11.45-12.00	T0012 Biodiversity Offsets - European Perspectives on No Net Loss of Biodiversity and Ecosystem Services Wolfgang Wende ¹ ¹ <i>Leibniz Institute of Ecological Urban and Regional Development</i>
12.00-12.15	T0063 The role of land-use and environmental policies in a landscape of forest persistence and tourism-induced urban growth Ana Beatriz Pierrri Daunt ¹ , Thiago Sanna Freire Silva ¹ , Matthias Bürgi ² , Anna M. Hersperger ² ¹ <i>São Paulo State University, Geography Department</i> , ² <i>Swiss Federal Research Institute WSL</i>
12.15-12.30	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) Emilio R. Diaz-Varela ¹ , María Amparo Ferreira-Golpe ¹ , Ana Isabel García Arias ¹ , María do Mar Perez-Fra ¹ , Edelmiro Lopez-Iglesias ¹ , Beatriz Rodriguez-Morales ¹ ¹ <i>ECOAGRASOC - University of Santiago de Compostela</i>

Tuesday, 2 July 2019

10.30-12.30	<p style="text-align: center;">Symposium 11 - From urban agriculture to edible cities – challenges and chances for approaching sustainable urban socio-ecological systems</p> <p style="text-align: center;">Room: U6 - 08</p> <p style="text-align: center;">Session Organisers: Martina Artmann¹, Jan Vávra², Rommel Marius³</p> <p style="text-align: center;"><i>¹Leibniz Institute of Ecological Urban and Regional Development (IOER), ²University of South Bohemia (USB), ³ZOE, the Institute for inclusive and sustainable economies</i></p>
10.30-10.45	Introduction to Symposium 11
10.45-10.50	<p>T0018 Edible cities – a leverage for urban food supply and human-food connection?</p> <p>Martina Artmann¹, Katharina Sartison¹<i>¹Leibniz Institute of Ecological Urban and Regional Development</i></p>
10.50-10.55	<p>T0320 Urban gardens as a source of self-grown food in Czech towns and cities</p> <p>Jan Vávra¹, Petr Daněk², Petr Jehlička³, Miloslav Lapka¹<i>¹Department of Regional Management, Faculty of Economics, University of South Bohemia in České Budějovice, ²Department of Geography, Faculty of Science, Masaryk University, ³Department of Geography, Faculty of Arts and Social Sciences, The Open University</i></p>
10.55-11.00	<p>T0181 Home gardens in Czechia: Quiet sustainability or quiet repose</p> <p>Jana Šiftová¹<i>¹Charles University</i></p>
11.00-11.15	<p>T0432 An evaluation of cultural ecosystem services delivered by urban micro-farms: the research project SEMOIR</p> <p>Giulia Giacche¹, Anne-Cécile Daniel¹, Jean-Noel Consalès², Baptiste Jean-Paul Grard³, Antoine Lagneau⁴, Claire Chenu¹<i>¹Exp'Au/AgroParisTech, ²Laboratoire TELEMME, Aix Marseille Université, ³Laboratoire de Sciences du sol, UMR ECOSYS, INRA-AgroParisTech, ⁴Agence régionale de la biodiversité, IAU IdF</i></p>
11.15-11.30	<p>T0611 Urban micro-farms: an assessment of ecosystem services provided by in situ soils and constructed Technosols</p> <p>Baptiste Grard¹, Sophie Joimel¹, Geoffroy Séré², Laure Vieublé¹, Sabine Houot¹, Claire Chenu¹<i>¹UMR ECOSYS (AgroParisTech - INRA), ²Laboratoire Sols et Environnement, UMR 1120, INRA</i></p>
11.30-11.45	<p>T0989 New approaches and products in urban food production: A study on perception of sustainability and social acceptability</p> <p>Kathrin Specht¹, Marcel Robischon², Felix Zoll³, Julia Bela⁴, Henrike Schümann², Julia Kachel²<i>¹ILS-Research Institute for Regional and Urban Development, ²Humboldt-Universität zu Berlin, ³Leibniz Centre for Agricultural Landscape Research (ZALF), ⁴Technische Universität Berlin (TU Berlin)</i></p>
11.45-12.00	<p>T0436 Analyzing landscape services supply-demand and preference factors of urban agriculture parks in Beijing, China</p> <p>Miaomiao Xie¹, Manyu Li¹, Meng Xu¹<i>¹School of Land Science and Technology, China University of Geosciences (Beijing)</i></p>
12.00-12.15	<p>T0830 Potential of abandoned agricultural land for food provision in urban settings</p> <p>Simona R. Gradinaru¹, Cristian Ioja¹, Mihai Nița¹, Denisa Badiu¹<i>¹University of Bucharest</i></p>
12.15-12.30	<p>T0518 Business models in urban agriculture: case studies in Chengdu and Milan</p> <p>Hang Lu¹, Yichen Jiang²<i>¹Politecnico di Milano, ²RWTH Aachen University</i></p>

Tuesday, 2 July 2019

10.30-12.30	
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	<p>Symposium 22 - Land-use legacies and forest change: understanding the past to forecast the future</p> <p>Symposium 48 - The role of landscape experiments to inform large-scale habitat restoration</p> <p>Room: U6 - 9</p> <p>Session Organisers (22): Matteo Garbarino¹, Peter Weisberg² ¹University of Torino, Dept. DISAFA, ²University of Nevada, Reno</p> <p>Session Organisers (48): Kevin Watts^{1,2}, Kirsty Park², Elisa Fuentes-Montemayor² ¹Forest Research, ²University of Stirling</p>
10.30-10.45	Introduction to Symposium 22 & 48
10.45-11.00	T0054 Land use history legacies on forest landscape dynamics in the Alps and the Apennines Matteo Garbarino ¹ , Francesco Malandra ² , Renzo Motta ¹ , Carlo Urbinati ² , Alessandro Vitali ² , Peter Weisberg ³ ¹ Università di Torino (DISAFA), ² Marche Polytechnic University, ³ University of Nevada, Reno
11.00-11.15	T0163 Disentangling climate change and land use legacy effects on European forest disturbance dynamics Cornelius Senf ¹ , Rupert Seidl ¹ ¹ University of Natural Resources and Life Sciences (BOKU) Vienna
11.15-11.30	T0171 Historical legacies on the forest landscapes of central Italy Scott Mensing ¹ , Edward Schoolman ¹ , Gianluca Piovesan ² ¹ University of Nevada, Reno, ² DAFNE
11.30-11.35	T0159 Forest use legacies in protected nature reserve (Kaluga region, Central Russia) Victor Matasov ¹ , Nikolay Surkov ¹ , Oleg Zheleznyy ¹ , Viacheslav Nizovtsev ¹ ¹ Lomonosov Moscow State University
11.35-11.40	T0995 Land-use legacies: the evolution of British forestry in response to changing resource needs Susanne Raum ¹ ¹ Imperial College London, Centre for Environmental Policy
11.40-11.45	T0997 Endangered socio-ecological habitats. The case study of chestnut orchards in the Bolognese Apennine Giovanna Pezzi ¹ , Giorgio Maresi ² , Fabrizio Ferretti ³ , Patrik Krebs ⁴ , Marco Conedera ⁴ ¹ Università di Bologna, Department of Biological, Geological and Environmental Sciences, ² Fondazione Edmund Mach, Centre for Technology Transfer, ³ CREA - Council for Agricultural Research and Economics Research Centre for Forestry and Wood, ⁴ WSL
11.45-12.00	T0299 Land-use history lessons for managing arid woodlands of the western US: the forgotten role of the carbonari migrant workers? Peter Weisberg ¹ , Douglas Page, Jr. ² , Dongwook Ko ³ , Ronald Reno ⁴ , Sarah Page ⁵ , Thomas Straka ⁶ ¹ Department of Natural Resources and Environmental Science, University of Nevada, Reno, ² retired forester - USFS, BLM, ³ Kookmin University, ⁴ Desert Research Institute, ⁵ Bureau of Land Management, ⁶ Forestry and Environmental Conservation Department, Clemson University
12.00-12.15	T0985 Identifying anthropogenic burning via paleoecology and paleolandscape modeling Anna Klimaszewski-Patterson ¹ , Peter Weisberg ² , Scott Mensing ² , Robert Scheller ³ ¹ California State University, Sacramento, ² University of Nevada, Reno, ³ North Carolina State University
12.15-12.30	T0291 The legacy effect of invasive pinewood nematode as a threat to ecocultural identity in Korea Dongwook Ko ¹ , Chan Ryul Park ² ¹ Kookmin University, ² National Institute of Forest Science

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10.30-12.30	<p>Symposium 55 - Assessing the patterns and drivers of land-use intensity change</p> <p>Room: U6 - 12</p> <p>Session Organisers: Robert Pazur¹, Matthias Bürgi¹, Alexander Prishchepov² ¹Swiss Federal Research Institute WSL, ²University of Copenhagen</p>
10.30-10.45	Introduction to Symposium 55
10.45-11.00	T_0973 Which factors promote regime shifts at forest-savanna boundaries in Central Africa? Lindsey Norgrove
11.00-11.15	T0124 Land use decision making as a driver of land use intensity

	Peter Verburg ^{1,2} , Ziga Malek ¹ ¹ VU University Amsterdam, ² WSL Switzerland
11.15-11.30	T0267 Land use change scenarios in marginal mosaic-type landscapes and their impact on ecosystem services. Ivo Vinogradovs ¹ , Oļģerts Nikodemus ¹ , Zaiga Krišjāne ¹ ¹ University of Latvia, Department of Geography
11.30-11.45	T0353 The effect of external drivers on tipping-points in agricultural land-use intensity Maarten J. van Strien ¹ , Sibyl H. Huber ² , Adrienne Grêt-Regamey ³ ¹ Planning of Landscape and Urban Systems, Dept. of Civil, Environmental and Geomatic ² Engineering, ETH Zurich, Zurich, Switzerland, ³ Flury & Giuliani agricultural and regional economic consulting, Zurich, Switzerland
11.45-12.00	T0448 Land cover patterns of wind generation infrastructure in Brazil Olga Turkovska ¹ , Johannes Schmidt ¹ , Katharina Gruber ¹ , Felix Nitsch ² ¹ Institute for Sustainable Economic Development, University of Natural Resources and Life Sciences, ² Institute of Engineering Thermodynamics, German Aerospace Center
12.00-12.15	T0516 Modeling agricultural land-use intensity: understanding driving forces by validating future scenarios Sven-Erik Rabe ¹ , Enrico Celio ¹ ¹ ETH Zürich
12.15-12.30	T0617 Evaluating land use changes and land use planning within and around national parks – case studies from Poland Michał Jakiel ¹ ¹ Institute of Geography and Spatial Management, Jagiellonian University

Tuesday, 2 July 2019

10.30-12.30	Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands Room: U6 - 13 Session Organisers: Zhifeng Wu ¹ , Paolo Tarolli ² , Xiuzhen Li ³ ¹ Guangzhou University, ² Padova University, ³ East China Normal University
10.30-10.45	Introduction to Symposium 14
10.45-11.00	T0068 Ecological restoration and resources utilization of Yangtze Estuarine Wetlands - Project Introduction Xiuzhen Li ¹ ¹ State Key Laboratory of Estuarine and Coastal Research, Institute of Eco-Chongming, East China normal University
11.00-11.15	T0190 Identification on effects of land use on antibiotics in soils in typical peri-urban area of Yangtze River Delta, China Lei Yang ¹ , Fangkai Zhao ¹ , Liding Chen ¹ ¹ State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences
11.15-11.30	T0381 Correlation between urbanization and vegetation activities in the Pearl River Delta: Scale contrast Man Wang ¹ , Jian Peng ¹ , Yi'na Hu ¹ ¹ Laboratory for Earth Surface Processes, Ministry of Education, College of Urban and Environmental Sciences, Peking University
11.30-11.45	T0480 Artificial water management in Italian lowlands – impacts and challenges by natural and anthropogenic forces Anton Pijl ¹ , Claudia C. Brauer ² , Giulia Sofia ³ , Adriaan J. Teuling ² , Paolo Tarolli ¹ ¹ Dept. of Land, Environment, Agriculture and Forestry, University of Padova, Legnaro (PD), Italy, ² Hydrology and Quantitative Water Management Group, Wageningen University and Research, Wageningen, the Netherlands, ³ University of Connecticut, University of Connecticut, Civil & Environmental Engineering, Storrs (CT), United States
11.45-12.00	T0490 When the hydrology drives the ecological subsidy: impact of climate change on floodplain contribution to fish productivity Luc Farly ¹ , Christiane Hudon ² , Antonia Cattaneo ³ , Gilbert Cabana ¹ ¹ Département des Sciences de l'Environnement, Université du Québec à Trois-Rivières, ² Environment and Climate Change Canada, St. Lawrence Centre, ³ Département des Sciences Biologiques, Université de Montréal

12.00-12.15	T0536 Eco-hydro-morphological degradation of Israel lowland streams: The result of flood protection regulation Roey Egozi ¹ ¹ <i>Israel Ministry of Agriculture and Rural Development / Soil Erosion Research Station</i>
12.15-12.30	T0559 Landscape management in the Polesine lowland (northern Italy): consequences on flooding and population exposure Daniele Pietro Viero ¹ , Giulia Roder ² , Bruno Matticchio ³ , Andrea Defina ¹ , Paolo Tarolli ² ¹ <i>University of Padova - Dep. of Civil, Environmental and Architectural Engineering (ICEA)</i> , ² <i>University of Padova - Dep. of Land, Environment, Agriculture and Forestry (TESAF)</i> , ³ <i>IROS Environmental Engineering</i>

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10.30-12.45	<p style="text-align: center;">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</p> <p style="text-align: center;">Room: U6 – 1a</p> <p style="text-align: center;">Session Organisers: Antonella Contin¹, Domingo Sanchez Fuentes², Ramon Reyes³ ¹<i>Politecnico di Milano</i>, ²<i>Escuela Tecnica Superior de Arquitectura de Sevilla</i>, ³<i>Universidad de Guadalajara, Centro universitario de arte, arquitectura y diseño, "udeg"</i></p>
10.30-10.45	Introduction to Symposium 17
10.45-11.00	T0278 Landscape structure: a fundamental criterion to be considered when planning metropolitan areas Athanasios-Alexandru Gavrilidis ¹ , Andreea Nita ¹ , Laurentiu Rozylowicz ¹ ¹ <i>Center for Environmental Research and Impact Study, Faculty of Geography, University of Bucharest</i>
11.00-11.15	T0398 Critical cartographies and datascares for emerging metropolitan areas: testing 'Tell_me' research methodology for social cohesion and equity. Carlos Tapia Martín ¹ , Blanca del Espino Hidalgo ² , Emilio Mascort Albea ³ ¹ <i>Higher Technical School of Architecture (Professor) Department of History, Theory and Composition in Architecture</i> , ² <i>Andalusian Historical Heritage Institute (IAPH). Department of Built Heritage, Works and Infrastructures</i> , ³ <i>Higher Technical School of Architecture (Professor) Department of Building Structures and Ground Engineering</i>
11.15-11.30	T0507 GIS Software modeling for localization strategies in planning activities Alessandra Pandolfi ¹ , Giovanna Sona ¹ , Marta Conconi ¹ ¹ <i>Politecnico di Milano</i>
11.30-11.45	T0793a Tropical Botanical Urban Landscapes Schools: lessons from Roberto Burle Marx's Botanical Garden in Maracaibo, Venezuela. Maria Villalobos ¹ , Carla Urbina ¹ ¹ <i>Botanical City</i>
11.45-12.00	T0832 Mixed Urban-Rural Landscape: Focusing on the Housing-Farmland Interfaces in Tokyo Suburbs Takahiro Yamazaki ¹ , David Mason ¹ , Shota Endo ¹ , Kai Kurimoto ¹ , Akiko Iida ¹ , Makoto Yokohari ¹ ¹ <i>The university of Tokyo</i>
12.00-12.15	T0856 Urban Betterment and Ecological Restoration: Urban Periphery Area Green Space Transformation- Case Study of the Heizhuanghu Area Tingting Huang ¹ , Jianning Zhu ¹ , Ying Zhang ¹ , Ruodong Han ¹ ¹ <i>Beijing Forestry University</i>
12.15-12.30	T0886 On continuity: the landscape unit and eco-centrality Sandy Jiyeon Kim ¹ ¹ <i>Politecnico di Milano</i>
12.30-12.45	T0950 Dynamic characterize of resilience in metropolitan city Jing Fu ¹ , Jun Gao ¹ ¹ <i>Shanghai Normal University</i>

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10.30-11.50	<p style="text-align: center;">Symposium 53 - Policy and governance innovation in agricultural landscapes: recent trends and future pathways towards enhanced sustainability and food security.</p> <p style="text-align: center;">Room: U6 – 1b</p> <p>Session Organisers: José Muñoz-Rojas¹, Teresa Pinto-Correia¹, Rafael Mata-Olmo², Isabel Loupa-Ramos³, Lone Kristensen⁴</p> <p style="text-align: center;">¹ICAAM-Universidade de Évora, ²Departamento de Geografía-Universidad Autónoma de Madrid, ³Urbanismo e Ambiente-IST-Universidade de Lisboa, ⁴Landscape Architecture and Planning- University of Copenhagen</p>
10.30-10.35	Introduction to Symposium 53
10.35-10.40	<p>T0568 Are certification schemes promoting more sustainable farm management practices? A case study in the Montado of the Alentejo region, Portugal</p> <p>Carla Azeda¹, Nuno Guiomar¹, Sérgio Godinho¹, Teresa Pinto-Correia² ¹ICAAM - Instituto de Ciências Agrárias e Ambientais Mediterrânicas, Instituto de Investigação e Formação Avançada, Universidade de Évora, Pólo da Mitra, ²ICAAM - 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>
10.40-10.45	<p>T0548 Sustainable governance of historic agrarian landscapes: winter meadows of Ticino river</p> <p>Paola Branduini¹, Michele Bove², Francesca Trotti² ¹Politecnico di Milano, ²Parco Lombardo Valle del Ticino</p>
10.45-10.50	<p>T0678 Vegetation cover and land opportunity cost drive landowner's willingness to set aside land for conservation</p> <p>Francisco d'Albertas¹, Adrian Gonzalez-Chavez¹, Vitor Paciello¹, Clarice Borges Matos¹, Jean Paul Metzger¹ ¹University of São Paulo</p>
10.50-10.55	<p>T0476 Innovation approaches to governance of peri-urban areas: The case study of Agricultural Park Prato, Italy</p> <p>David Fanfani¹, Barbora Duží² ¹University of Florence, Department of Architecture, ²Institute of Geonics of the Czech Academy of Sciences</p>
10.55-11.00	<p>T0242 Perceived contributions of multifunctional landscapes to human wellbeing: Evidence from 13 European sites</p> <p>Nora Fagerholm¹, Berta Martín-Lopéz², Mario Torralba³, Elisa Oteros Rozas⁴, Claudia Bieling⁵, Tobias Plieninger⁶ ¹University of Turku, Department of Geography and Geology, ²Leuphana University of Lüneburg, Faculty of Sustainability, Institute for Ethics and Transdisciplinary Sustainability Research, ³University of Kassel, Faculty of Organic Agricultural Sciences, ⁴Pablo de Olavide University, Social and Participatory Action Research Group, ⁵University of Hohenheim, Institute of Social Sciences in Agriculture, Societal Transition and Agriculture, ⁶Georg-August-Universität, Department of Agricultural Economics and Rural Development</p>
11.00-11.05	<p>T0560 The role of rural landscape in peri-urban areas: the Living Lab. of Chieri Municipality (Turin Metropolitan Area, Italy)</p> <p>Federica Larcher¹, Simonetta Alberico¹, Paola Gullino¹, Egidio Dansero², Giacomo Pettenati², Andrea Ballocca³ ¹Dept. of Agriculture, Forest and Food Sciences, University of Turin, ²Department of Cultures, Politics and Society, University of Turin, ³Piedmont Information System Consortium</p>
11.05-11.10	<p>T0471 Improving the relevance of innovative agricultural innovations with key actors: case studies of technologies and practices from across Europe</p> <p>Maria Kernecker¹, Andrea Knierim², Teresa Kraus¹, Friederike Borges¹, Angelika Wurbs¹ ¹Leibniz Center for Agricultural Landscape Research, ²University of Hohenheim</p>
11.10-11.15	<p>T_0972 Agri-environmental collaboratives – experiences from Rural Denmark</p> <p>Lone Sødervik Kristensen¹, Jørgen Primdahl¹ ¹Department of Geosciences and Natural Resource Management, University of Copenhagen</p>
11.15-11.30	<p>T0894 Landscape governance: exploring the meeting-point of agriculture and spatial planning policies</p> <p>Isabel Loupa-Ramos¹, Nuno David¹, Jorge Silva¹ ¹IST/University of Lisbon</p>
11.30-11.35	T0199 Fragmented governance in the rural landscapes of Alentejo (Portugal)

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

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

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10.30-11.35	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. Room: U6 – 1d Session Organisers: Erik Andersson ¹ , Dagmar Haase ² , Timon McPhearson ³ , Johannes Langemeyer ⁴
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	¹ Stockholm Resilience Centre, Stockholm University, ² Humboldt Universität zu Berlin and Helmholtz Centre for Environmental Research – UFZ, ³ Urban Systems Lab, The New School, ⁴ Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona
10.30-10.45	Introduction to Symposium 08
10.45-11.00	T0318 Functional traits as a boundary object Erik Andersson ¹ , Dagmar Haase ² , Timon McPhearson ³ ¹ Stockholm Resilience Centre, Stockholm University, ² Institute of Geography, Humboldt Universität zu Berlin, ³ Urban Systems Lab, The New School
11.00-11.05	T0139 Relational traits: linking human values to social-ecological attributes of landscape in Melbourne, Australia Dave Kendal ¹ ¹ University of Tasmania
11.05-11.10	T0387 Functional assemblages of plants and birds: responses to past and present landscape structures Lucie Lecoq ¹ , Aude Ernoult ¹ , Cendrine Mony ¹ ¹ CNRS UMR 6553 ECOBIO, University of Rennes 1
11.10-11.15	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 Jaan Liira ¹ , Taavi Paal ¹ , Kertu Lõhmus ² , Laura Kütt ¹ ¹ University of Tartu, ² University of Oldenburg
11.15-11.20	T0579 Plant patterning and social selection for traits in the urban environment: Comparative reflections from Cape Town and Stockholm Julie Goodness ¹ , Pippin M. L. Anderson ² ¹ Stockholm Resilience Centre - Stockholm University, ² Department of Environmental & Geographical Science - University of Cape Town
11.20-11.25	T0634 Cultural ecosystem services assessment with Earth observation based spectral traits Thilo Wellmann ¹ , Erik Andersson ² , Angela Lausch ³ , Dagmar Haase ¹ ¹ Humboldt-Universität zu Berlin, ² Stockholm Resilience Centre, ³ Helmholtz Centre for Environmental Research - UFZ
11.25-11.30	T_9014 “Understanding of abiotic/ biotic and human induced traits and their interactions” Angela Lausch ¹ ¹ Helmholtz Centre for Environmental Research - UFZ
11.30-11.35	T_8819 Plant traits and natural vegetation in river restoration projects Daria Sikorska ¹ , Kinga Krauze ¹ , Renata Włodarczyk-Marciniak ¹ ¹ European Regional Centre for Ecohydrology of the Polish Academy of Sciences

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10.30-12.15	Symposium 71 - Synergistic Effects of Climate and Management on Biodiversity Room: U6 – 1e Session Organisers: Robert Scheller ¹ , Matthew Betts ² , Melissa Lucash ³ ¹ North Carolina State University, ² Oregon State University, ³ Portland State University
10.30-10.45	Introduction to Symposium 71
10.45-11.00	T0391 Synergistic effects of climate and land-cover change on long-term bird population trend of the western USA: a test of modeled predictions Matthew Betts ¹ , Javier Gutiérrez Illán ² ¹ Oregon State University, ² Washington State University
11.00-11.15	T0723 Using robust decision-making and virtual reality to evaluate management tradeoffs under climate change Melissa Lucash ¹ , Jiawei Huang ² , Klaus Keller ² , Alex Klippel ² , Robert Nicholas ² , Erica Smithwick ² ¹ Portland State University, ² The Penn State University
11.15-11.30	T0173 Managing forest landscapes as functional complex networks to increase resilience: a simulation study Marco Mina ¹ , Núria Aquilué ¹ , Matthew Duvének ² , Marie-Josée Fortin ³ , Christian Messier ¹⁻⁴ ¹ Université du Québec à Montréal, ² Harvard Forest, Harvard University, ³ University of Toronto, ⁴ Université du Québec en Outaouais
11.30-11.45	T_9006 Applying climate-adaptive forest management principles to a mixed-conifer landscape in Colorado, USA Linda Nagel ¹ , Chris Looney ² , Mike Battaglia ² , Courtney Peterson ¹ , Chris Woodall ² , Wilfred Previant ¹

	¹ Colorado State University, ² USDA Forest Service, Rocky Mountain Research Station
11.45-12.00	T0039 Landscape trajectories of ecosystem services under climate change and climate adapted management Robert Scheller ¹ , Charles Maxwell ¹ ¹ North Carolina State University
12.00-12.15	T0407 Extinction filters mediate the global effects of fragmentation Matthew Betts ¹ , Chris Wolf ¹ ¹ Oregon State University

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

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14.00-15.30	Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals Room: Aula Magna Session Organisers: Wenwu Zhao ¹ , Yihe Lu ² , Manish Kumar Goyal ⁵ , Francesco Cherubini ³ , Walter Musakwa ⁴ , Richard Ross Shaker ⁶ , Stefani Daryanto ⁷ ¹ Faculty of Geographical Science, Beijing Normal University, ² Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, ³ Norwegian University of Science and Technology, ⁴ University of Johannesburg, ⁵ Indian Institute of Technology Indore, ⁶ Ryerson University, ⁷ Indiana University – Purdue University Indianapolis
14.00-14.15	T0341 The introduction of an ecosystem services concept to Central Asia: practical experiences to-date Burghard C. Meyer ¹ , Lian Lundy ² , Matraimov Kuban ³ , K. Zhakenova ³ ¹ Leipzig University, Institute of

	<i>Geography, ²Middlesex University, London, ³CAREC, Regional Environmental Centre for Central Asia, Bishkek</i>
14.15-14.30	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 Ying Luo ¹ , Yihe Lü ¹ ¹ <i>State Key Laboratory of Urban and Region Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
14.30-14.45	T0423 Are there enough soil available water for vegetation sustainability in Loess Plateau of China? Xiao Zhang ¹ , Wenwu Zhao ² , Lixin Wang ² , Yuanxin Liu ³ ¹ <i>Beijing Normal University, ²Indiana University - Purdue University Indianapolis, ³Chinese Academy of Sciences</i>
14.45-15.00	T0470 Mapping critical natural capital for identification and conservation of ecological functional areas: Insights from the Tibetan Plateau Yuanxin Liu ¹ , Yihe Lü ¹ ¹ <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
15.00-15.15	T0493 Mapping and Assessment of Ecosystem Services in Cyprus Vassilis Litskas ¹ , Ioannis Vogiatzakis ¹ , Savvas Zotos ¹ , Menelaos Stavrinos ¹ , Paraskevi Manolaki ¹ , Dimitrios Sarris ¹ ¹ <i>Open University of Cyprus</i>
15.15-15.20	T0033 Linking catchment characteristics with stream water isotopes over multiple spatial scales in a humid area Long Sun ¹ , Lei Yang ¹ , Liding Chen ¹ , Fangkai Zhao ¹ , Shoujuan Li ¹ ¹ <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
15.20-15.25	T0215 Supply and demand assessment of urban park cultural services: A case study in Shenzhen Qiandu Huang ¹ ¹ <i>School of Geography and Planning, Sun-Yat Sen University</i>
15.25-15.30	T0227 The spatial relationship between landscape recreation service demand and urbanization Zhenhua Bing ¹ ¹ <i>Shanghai Business School</i>

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14.00-15.30	Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services Room: U6 - 02 Session Organisers: Felix Herzog ¹ , Yunhui Liu ² , Majid Iravani ³ , Tian Xiang Yue ⁴ ¹ <i>Agroscope, ²China Agricultural University, ³University of Alberta / Alberta Biodiversity Monitoring Institute, ⁴Chinese Academy of Sciences</i>
14.00-14.15	T0461 Temporal dynamics of soil bacterial communities at a landscape scale: dependence to soil properties and agricultural practices Laurie Dunn ¹ , Samuel Dequiedt ¹ , Mélanie Lelievre ² , Christophe Lang ³ , Nicolas Merilleau ⁴ , Nicolas Chemidlin Prevost-Boure ¹ ¹ <i>Agroécologie, AgroSup Dijon, Institut National de la Recherche Agronomique (INRA), Université Bourgogne Franche-Comté, F-21000 Dijon, France, ²Agroécologie-Plateforme GenoSol, BP 86510, F-21000 Dijon, France, ³Femto-ST Institute, Univ. Bourgogne Franche-Comté/CNRS Besançon – France, ⁴IRD, Sorbonne Université, UMMISCO, F-93143, Bondy, France</i>
14.15-14.30	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 Meichun Duan ¹ , Wenhao Hu ² , Yunhui Liu ² , Zhenrong Yu ² , Jacques Baudry ³ ¹ <i>College of Agronomy and Biotechnology, Southwest University, ²College of Resources and Environmental Sciences, China Agricultural University, ³SAD Paysage, National Institute of Agronomic Research (INRA)</i>
14.30-14.45	T0430 Spatio-temporal analysis of the number of hunted animals for the assessment of the landscape quality and the provision of ecosystem services Birgith Unterthurner ¹ , Ulrike Tappeiner ² , Johannes Rüdiger ² , Lothar Gerstgrasser ³ , Andreas Agreiter ⁴ , Erich Tasser ¹ ¹ <i>Eurac Research, Institute for Alpine Environment, ²University of Innsbruck, Department of Ecology, ³Südtiroler Jagdverband, ⁴Amt für Jagd und Fischerei, Südtiroler Landesverwaltung</i>
14.45-15.00	T0350 Using Sentinel satellite data to supplement monitoring of farmland landscapes

	Wendy Fjellstad ¹ , Arnt Kristian Gjertsen ¹ , Hanne Gro Wallin ¹ ¹ <i>NIBIO - Norwegian Institute of Bioeconomy Research</i>
15.00-15.15	T0263 Classical land use maps or food resource maps – which one predicts predator abundance in crops better? Lolita Ammann ¹ , Alette Bøsem-Baillo ¹ , Martin H. Entling ² , Felix Herzog ¹ , Matthias Albrecht ¹ ¹ <i>Agroscope</i> , ² <i>Universität Koblenz-Landau</i>
15.15-15.30	T0099 Applying unmanned aerial vehicles (UAVs) to evaluate the impact of pastoral land uses on avian biodiversity in the Tibetan agricultural landscape Li Li ¹ , Andreas Fritz ² , Ilse Storch ³ , Barbara Koch ² ¹ <i>Center for Nature and Society, Peking University</i> , ² <i>Chair of Remote Sensing and Land Information Systems (FeLis), Albert-Ludwigs University Freiburg</i> , ³ <i>Chair of Wildlife Ecology and Management, Albert-Ludwigs University Freiburg</i>

Tuesday, 2 July 2019

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

Tuesday, 2 July 2019

14.00-15.30	Symposium 09 - Scoping with future challenges in mountain landscapes Room: Aula Martini (U6 - 4) Session Organisers: Uta Schirpke ^{1,2} , Genxu Wang ³ , Jie Gong ⁴ , Ulrike Tappeiner ^{1,2} , Georg Leitinger ¹ , Emilio Padoa-Schioppa ⁵ , Fausto Manes ⁶ , Per Angelstam ⁷ ¹ <i>University of Innsbruck, Department of Ecology</i> ; ² <i>Eurac Research, Institute for Alpine Environment</i> , ³ <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i> , ⁴ <i>Lanzhou University</i> , ⁵ <i>University of Milano-Bicocca</i> , ⁶ <i>University of Roma - La Sapienza</i> , ⁷ <i>Swedish University of Agricultural Sciences</i>
14.00-14.15	T0823 Analyzing the spatial coincidence of environmental stressors and ecosystem service provision in mountain forests Lukas Egarter Vigl ¹ , Thomas Marsoner ¹ , Sebastian Candiago ¹ , Daniel Depellegrin ² ¹ <i>Eurac Research</i> , ² <i>CNR- Ismar</i>
14.15-14.30	T0502 Impact of climate change on the hydrological response of mountain catchments in the Beskydy Protected Landscape Area, Czech Republic. Stanislav Ruman ¹ ¹ <i>University of Ostrava</i>

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

Tuesday, 2 July 2019

14.00-15.30	Symposium 50 - Disturbance, degradation, and restoration in fragile ecosystems: Implications for resource distribution and ecosystem service Room: U6 - 05 Session Organisers: Junran Li ¹ , Sujith Ravi ² , Shiliang Liu ³ , Yihe Lv ⁴ ¹ <i>The University of Tulsa, Tulsa, OK, USA</i> , ² <i>Temple University, Philadelphia, PA, USA</i> , ³ <i>Beijing Normal University</i> , ⁴ <i>Research Centre for Eco-environment Sciences, Chinese Academy of Sciences</i>
14.00-14.15	T0257 Loss of soil resources by dust emission due to human activities Itzhak Kutra ¹ ¹ <i>Ben-Gurion University</i>
14.15-14.30	T0277 Overland water-flow mechanism for ring formation in water-limited environments: field measurements and mathematical modeling Hezi Yizhaq ¹ , Ilan Stavi ² , Nitzan Swet ¹ , Itzhak Kutra ¹ ¹ <i>Ben Gurion University</i> , ² <i>Dead Sea and Arava Science Center</i>
14.30-14.45	T0279 Using rare earth elements to quantify post-fire resource redistribution in a grassland-shrubland transition landscape Junran Li ¹ , Sujith Ravi ² , Guan Wang ¹ ¹ <i>The University of Tulsa</i> , ² <i>Temple University</i>
14.45-15.00	T0420 Quantifying the driving factors of land degradation and restoration using geographically weighted regression in a typical dryland region Yanjiao Ren ^{1,2} , Yihe Lü ^{1,2} ¹ <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i> , ² <i>University of Chinese Academy of Sciences</i>
15.00-15.15	T0424 Precipitation drives the nonlinear trends of fire in Africa Fangli Wei ¹ , Shuai Wang ² , Bojie Fu ¹ ¹ <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i> , ² <i>State Key Laboratory of Earth Surface Processes and Resource Ecology, Faculty of Geographical Science, Beijing Normal University</i>
15.15-15.30	T0438 Mapping degraded alpine rangeland based on quantitative assessment of degradation classification in Lhasa river basin, the Qinghai-Tibetan Plateau Guohua Liu ¹ , Wangya Han ¹ , Xukun Su ¹ , Guohua Liu ¹ ¹ <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	Symposium 45 - Conservation in the city Room: U6 - 6 Session Organisers: Heather Sander ¹
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¹ University of Iowa	
14.00-14.15	T0308 Integrated Analysis of Social-ecological Functions of Urban Green Spaces in Traditional Village of Penglipuran, Bali, Indonesia Sadahisa Kato ¹ , Kosuke Hishiyama ² ¹ Okayama University, ² Kindai University
14.15-14.30	T0706 Birds in parks: The spatial pattern and factors of bird habitat and birdwatching, Beijing, China Zhengkai Zhang ¹ , Ganlin Huang ¹ ¹ School of Natural Resources, Faculty of Geographical Science, Beijing Normal University, Beijing, China
14.30-14.45	T0162 Neighbor mimicry in front yard vegetation and its effects on city-scale plant biodiversity Bianca Lopez ¹ , Alexis Smith ² , Emily Minor ² ¹ National Socio-Environmental Synthesis Center (SESYNC), ² University of Illinois at Chicago
14.45-15.00	T0528 Urban back gardens in landscape-scale conservation planning: what are the barriers and facilitators for urban residents to manage their spaces for wildlife Briony Norton ¹ , Andrew Ramsey ¹ , David Sheffield ¹ ¹ University of Derby
15.00-15.15	T_8830 Conserving Urban Biodiversity: Design Strategies for the Production of Urban Landscapes in Italy Emma Salizzoni ¹ , Bianca Maria Rinaldi ¹ , Alessandro Gabbianelli ¹ ¹ Politecnico di Torino - Interuniversity Department of Regional and Urban Studies and Planning
15.15-15.30	T0180 Designing nature in cities to safeguard meaningful experiences of biodiversity in an urbanizing world Assaf Shwartz ¹ ¹ Human and biodiversity research group, Technion-Israel Institute of Technology

Tuesday, 2 July 2019

14.00-15.30	<p>Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance</p> <p>Room: U6 - 7</p> <p>Session Organisers: Hersperger Anna M.¹, Grădinaru Simona R.², Pierrri Daunt Beatriz³ ¹Swiss Federal Research Institute WSL, ²University of Bucharest, ³State University of São Paulo</p>
14.00-14.15	T0907 Spatial planning and territorial sustainability: Advances and challenges of strategic environmental assessment. Daniel Rozas ¹ , María Isabel López ¹ , Leonila Fernández ¹ ¹ Faculty of Natural Resources, Department of Environmental Sciences, Geography. Universidad Católica de Temuco
14.15-14.30	T0837 Changing visions: the impact of regional and county planning on land changes in Bucharest urban region Cristian Ioja
14.30-14.45	T0508 Wind power planning with a multicriteria approach - integrating biodiversity and ecosystem services in the Wind-GIS tool in Västernorrland, Sweden Ulla Mörtberg ¹ , Deepa Manolan Kandy ¹ ¹ KTH Royal Institute of Technology, Stockholm
14.45-15.00	T0861 A novel tool for strategic planning: an agent-based model of land use change explores alternative visions for woodland restoration in Scotland Vanessa Burton ¹ , Calum Brown ² , Darren Moseley ³ , Marc Metzger ¹ ¹ University of Edinburgh, ² Karlsruhe Institute of Technology, ³ Forest Research
15.00-15.15	T_9007 Mapping cultural ecosystem services capacity and demand to enhance the understanding of interactions among socio-ecological system Sirui Wang ¹ , Zhifang Wang ¹ , Zhongwei Zhu ¹ , Yaojin Zhou ¹ , Yinglu Miu ¹ , Hongpeng Fu ¹ ¹ College of Architecture and Landscape Architecture, Peking University
15.15-15.30	T0554 Ecosystem services as an integral support tool for green infrastructure and landscape planning: a case of agro-industrial landscapes in Latvia

Anita Zariņa¹, Ivo Vinogradovs¹, Anda Ruskule²¹*University of Latvia*, ²*Baltic Environmental Forum*

Tuesday, 2 July 2019

14.00-14.45	<p>Symposium 11 - From urban agriculture to edible cities – challenges and chances for approaching sustainable urban socio-ecological systems</p> <p>Room: U6 - 08</p> <p>Session Organisers: Martina Artmann¹, Jan Vávra², Rommel Marius³</p> <p>¹<i>Leibniz Institute of Ecological Urban and Regional Development (IOER)</i>, ²<i>University of South Bohemia (USB)</i>, ³<i>ZOE, the Institute for inclusive and sustainable economies</i></p>
14.00-14.15	<p>T0101 Evaluation of ecosystem services of urban agriculture land for urban planning in Beijing</p> <p>Ruiming Ma¹, Jürgen Breuste¹, Maryam Bayat², Wenju Yun³¹<i>China Agricultural University</i>, ²<i>Salyburg University</i>, ³<i>Key Laboratory for Agricultural Land Quality Monitoring and Control</i></p>
14.15-14.30	<p>T0459 Community gardens as an adaptation and mitigation measure to climate change: an intention or an unexpected benefit for cities?</p> <p>Lenka Dubová¹, Jan Macháč¹, Alena Vacková¹¹<i>J. E. Purkyne University in Usti nad Labem, Czech, Republic, Faculty of Social and Economic Studies - Institute for Economic and Environmental Policy</i></p>
14.30-14.45	<p>T0409 Gradation of urban agriculture – Spatial distribution of various experience farms in the Tokyo Metropolitan Area, Japan</p> <p>Naomi Shimpō¹¹<i>University of Tsukuba</i></p>

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14.00-15.05	<p>Symposium 22 - Land-use legacies and forest change: understanding the past to forecast the future</p> <p>Symposium 48 - The role of landscape experiments to inform large-scale habitat restoration</p> <p>Room: U6 - 9</p> <p>Session Organisers (22): Matteo Garbarino¹, Peter Weisberg²</p> <p>¹<i>University of Torino, Dept. DISAFA</i>, ²<i>University of Nevada, Reno</i></p> <p>Session Organisers (48): Kevin Watts^{1,2}, Kirsty Park², Elisa Fuentes-Montemayor²</p> <p>¹<i>Forest Research</i>, ²<i>University of Stirling</i></p>
14.00-14.15	<p>T0935 Two centuries of extinction debt: landscape heterogeneity in the 18th and 19th centuries influences contemporary woodland ground beetle distribution</p> <p>Chris Foster¹, Jessica Neumann¹, Geoffrey Griffiths¹, Graham Holloway¹¹<i>University of Reading</i></p>
14.15-14.30	<p>T9008 Patterns and drivers of habitat loss in a rural landscape over multiple time periods between 1930 and 2015</p> <p>Lucy Ridding¹, Stephen Watson², Adrian Newton², Clare Rowland¹, James Bullock¹¹<i>Centre for Ecology and Hydrology</i>, ²<i>Bournemouth University</i></p>
14.30-14.45	<p>T0737 Landscape-level revegetation reverses the decline of woodland birds in rural environments</p> <p>Andrew Bennett^{1,2}, Greg Holland¹, Rohan Clarke³¹<i>La Trobe University</i>, ²<i>Arthur Rylah Institute for Environmental Research</i>, ³<i>Monash University</i></p>
14.45-15.00	<p>T0214 Animal diversity responding to different forest restoration landscapes in the Qinling Mountains, China</p> <p>Xuehua Li¹, Yuke Zhang¹, Zixin Lv¹, Xiangyu Zhao¹, Xingzhong Yang², Xiaodong Jia²¹<i>State Key Joint Laboratory of Environmental Simulation and Pollution Control, School of Environment, Tsinghua University, Beijing 100084, China</i>, ²<i>School of Life Sciences, Northwestern University, Shaanxi 710069, China</i></p>

15.00-15.05	T0312 The Transformation of the Cultural Landscape with Washi Paper Industry in Gokayama Area, Japan Wen Wang ¹ , Katsue Fukamachi ¹ , Shozo Shibata ¹ ¹ <i>Kyoto University</i>
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Tuesday, 2 July 2019

14.00-15.30	<p>Symposium 65 - Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene (order to be confirmed)</p> <p style="text-align: center;">Room: U6 - 10</p> <p style="text-align: center;">Session Organisers: Veerle Van Eetvelde¹, Simona Grădinaru², Wenche Dramstad³, Werner Rolf⁴, Ileana Stupariu²</p> <p style="text-align: center;">¹<i>University of Ghent, Department of Geography, Landscape Research Unit</i>, ²<i>University of Bucharest</i>, ³<i>NIBIO</i>, ⁴<i>Chair for Strategic Landscape Planning and Management, Technical University of Munich</i></p>
14.00-14.15	Introduction to Symposium 65
14.15-14.30	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 Matteo Lener ¹ , Maria Cecilia Natalia ¹ , Paola Vinesi ² ¹ <i>Italian Institute for Environmental Protection and Research (ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale)</i> , ² <i>Ares 2.0</i>
14.30-14.45	T0265 Between theory and practice - New training formats against the background of changing needs Anneliese Fuchs ¹ , Elisabeth Bachlechner ¹ , Michael Jungmeier ¹ , Susanne Glatz-Jorde ¹ ¹ <i>E.C.O. Institute of Ecology</i>
14.45-15.00	T0683 Experiencing ecosystem services in the landscape Ulrike Tappeiner ^{1,2} , Johannes Rüdiger ¹ , Sarah Kerle ¹ ¹ <i>University of Innsbruck, Department of Ecology</i> , ² <i>Eurac Research, Institute for Alpine Environment</i>
15.00-15.15	T0838 Landscape ecology in environmental education in Russian universities: is there a need for change in a changing environment? Oxana Klimanova ¹ , Nina Alexeeva ¹ ¹ <i>Lomonosov Moscow State University</i>
15.15-15.30	T0887 Bringing Landscape closer to biologists: teamwork for facing Anthropocene challenges in real life socioecosystems César Agustín López Santiago ¹ , Jose Antonio Gonzalez Novoa ¹ ¹ <i>Universidad Autónoma de Madrid</i>

Tuesday, 2 July 2019

14.00-15.15	<p>Symposium 55 - Assessing the patterns and drivers of land-use intensity change</p> <p style="text-align: center;">Room: U6 - 12</p> <p style="text-align: center;">Session Organisers: Robert Pazur¹, Matthias Bürgi¹, Alexander Prishchepov²</p> <p style="text-align: center;">¹<i>Swiss Federal Research Institute WSL</i>, ²<i>University of Copenhagen</i></p>
14.00-14.15	T0748 Land system intensity change and their drivers in Mediterranean agricultural landscapes: a case study of the Vaucluse department (France) Marta Debolini ¹ , Martine Guerif ¹ ¹ <i>INRA UMR EMMAH</i>
14.15-14.30	T0769 Landscape Modification, Livelihood Losses, and Socio-political Conflicts: A Geospatial Analysis of Coastal Aquaculture Practices in West Bengal, India Debajit Datta ¹ , Mrinmoyee Naskar ² ¹ <i>Jadavpur University</i> , ² <i>Baruipur College</i>
14.30-14.45	T0944 Understanding the effect of historic mega-fires on the structure and functions of Patagonian landscape of Chilean Ángela Hernández-Moreno ¹ ¹ <i>Centro de Investigación en Ecosistemas de la Patagonia</i>
14.45-14.50	T0566 Exposure to human influence – an alternative spatial variable for land use change modelling

	Michal Druga ¹ , Jozef Minár ¹ <i>Department of Physical Geography and Geoecology, Faculty of Natural Sciences, Comenius University in Bratislava</i>
14.50-14.55	T0637 Past and present: 60 years of land use dynamics in south-central Chile. Katherine Gabriela Hermostilla Palma ¹ , Patricio Pliscoff ¹ <i>Pontificia Universidad Católica de Chile</i>
14.55-15.00	T0698 Land use intensity as a driving factor of semi-natural grassland management in relation to habitat type and rarity in Latvia (Eastern Baltic) Solvita Rūsiņa ¹ , Pēteris Lakovskis ² , Ilze Dūmiņa ¹ , Didzis Elferts ³ , Lauma Kupča ⁴ , Lauma Gustiņa ¹ <i>¹Faculty of Geography and Earth Sciences, University of Latvia, ²Institute of Agricultural Resources and Economics, ³Faculty of Biology, University of Latvia, ⁴Latvian Museum of Natural History</i>
15.00-15.05	T0759 Conserving Fragmented Mangroves in an Intensely Populated Landscape: A Multi-temporal Analysis of Forest Cover Changes in Coastal Odisha, India Sohini Neogy ¹ , Debajit Datta ¹ <i>Jadavpur University</i>
15.05-15.10	T0905 Drivers and effects of long term land use and landscape changes in the Sudety Mountains, SW Poland Agnieszka Latocha ¹ , Mariusz Szymanowski ¹ <i>University of Wrocław, Institute of Geography and Regional Development</i>
15.10-15.15	T0921 Abandonment of agriculture on Russian steppe: spatial determinants and landscape configuration Robert Pazur ¹ , Alexander Prishchepov ² , Ksenya Myachina ³ , Sergey Levykin ³ , Matthias Bürgi ¹ <i>Swiss Federal Research Institute WSL, ²University of Copenhagen, ³Institute of Steppe of the Ural Branch of the Russian Academy of Sciences</i>

Tuesday, 2 July 2019

14.00-15.30	Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands Room: U6 - 13 Session Organisers: Zhifeng Wu ¹ , Paolo Tarolli ² , Xiuzhen Li ³ <i>¹Guangzhou University, ²Padova University, ³East China Normal University</i>
14.00-14.15	T0578 Identifying upstream locations critical for downstream floods Karen Gabriels ¹ , Jos Van Orshoven ¹ , Patrick Willems ² <i>Department of Earth and Environmental Sciences, KU Leuven, ²Department of Civil Engineering, KU Leuven</i>
14.15-14.30	T0689 Coastal Delta in the Context of Urbanization and Global Change: Challenges and Sustainable Development Zhifeng Wu ¹ , Song Song ¹ , Weiguo Jiang ² , Xiankun Yang ¹ <i>Guangzhou University, ²Beijing Normal University</i>
14.30-14.45	T0712 Evaluating the anthropic impact on Indonesian Peatlands using the Airborne Electromagnetic method Sonia Silvestri ¹ , Rosemary Knight ² , Andrea Viezzoli ³ , Curtis Richardson ⁴ , Gusti Anshari ⁵ , Noah Dewar ² <i>¹Università di Padova – TESAF, ²Stanford University, ³Aarhus Geophysics, ⁴Duke University, ⁵Tanjungpura University</i>
14.45-15.00	T0730 Cooling effect of water body in the Pearl River Delta: Patch size threshold Qianyuan Liu ¹ , Jian Peng ² <i>Key Laboratory for Environmental and Urban Sciences, School of Urban Planning and Design, Shenzhen Graduate School, Peking University, ²Laboratory for Earth Surface Processes, Ministry of Education, College of Urban and Environmental Sciences, Peking University</i>
15.00-15.15	T0760 Analysing fragmentation patterns of interdunal wetlands along Medinipur Coastal Plain, India using landscape matrices Asit Kumar Roy ¹ , Debajit Datta ¹ <i>Jadavpur University</i>
15.15-15.30	T8789 Managing changes in the Dutch Delta for future generations Michel Lascaris ¹ , Berthe Jongejan ¹ <i>Cultural Heritage Agency of the Netherlands, Landscape department</i>

Tuesday, 2 July 2019

14.00-15.30	<p>Symposium 39 - The design of the contemporary cities through a green and blue infrastructure for Ecosystem services provision</p> <p>Room: U6 - 10</p> <p>Session Organisers: Silvia Ronchi¹, Andrea Arcidiacono¹, Angela Colucci²</p> <p>¹<i>Department of Architecture and Urban Studies (DASTU), Politecnico di Milano, ²ResilienceLAB / SIEP-IALE</i></p>
14.00-14.15	Introduction to Symposium 39
14.15-14.30	<p>T0859 From Landscape Vulnerability to Green Infrastructures values: towards a new governance</p> <p>Maddalena Gioia Gibelli¹, Alessandra Borghini¹, Luca Dorbolò¹, Natalia Marzia Gusmerotti², Luigino Pirola³¹<i>Studio Gioia Gibelli, ²Istituto di Management, Scuola Superiore Sant'Anna- Pisa, ³Studio Architettura del Paesaggio</i></p>
14.30-14.45	<p>T0328 Greening the space – co-designing the city under socio-economic transformation.</p> <p>Renata Włodarczyk-Marciniak¹, Kinga Krauze¹, Daria Sikorska¹¹<i>European Regional Centre for Ecohydrology of the Polish Academy of Sciences</i></p>
14.45-15.00	<p>T0860 A multimethodological approach toward the evaluation of Ecosystem Services. A case study in the South of Milan</p> <p>Stefano Corsi¹, Antonio Longo¹, Catherine Dezio¹, Alessandra Oppio¹¹<i>DISAA – Unimi</i></p>
15.00-15.15	<p>T0829 CLEVER Cities up-running co-creation of Nature-Based Solutions: The Launch of urban Action Labs in Milan, Italy</p> <p>Israa Mahmoud¹, Marina Trentin², Maria Berrini³, Lorenzo Bono³, Stefano Casagrande⁴, Eugenio Morello¹¹<i>DASTU, Politecnico di Milano, ²Eliante, ³Ambiente Italia, ⁴Comune di Milano</i></p>
15.15-15.30	<p>T0701 The Padova Walls and Water Park: how to employ a renaissance urban asset in our days</p> <p>Gianumberto Caravello^{1,2}, Eleni Katelouzou², Daniela Sartorato², Fiorenzo CATERA², Gianpaolo Barbario³, Vittorio Spigai⁴¹<i>Padova University, ²Comitato Mura di Padova, ³Gruppo Giardino Storico - Università di Padova, ⁴IUAV (Istituto Universitario di Architettura di Venezia) & Comitato Mura di Padova</i></p>

Tuesday, 2 July 2019

14.00-15.30	<p>Symposium 56 - Biodiversity spillover in fragmented landscapes and effects on ecosystem services provision and regulation</p> <p>Room: U6 - 10</p> <p>Session Organisers: Andrea Larissa Boesing¹, Paula Ribeiro Prist¹</p> <p>¹<i>Department of Ecology, University of São Paulo</i></p>
14.00-14.15	Introduction to Symposium 56
14.15-14.30	<p>P0002 Reconnecting agricultural landscapes for bird mobility: quantifying the contribution of on-farm practices</p> <p>Natalia Estrada Carmona¹, Alejandra Martínez-Salinas², Kelly Garbach³, Sergio Vilchez M.², Fabrice DeClerck¹¹<i>Bioversity International, ²CATIE, ³Point blue</i></p>
14.30-14.45	<p>P0222 Landscape structure effects on the interaction of ants and birds as providers of pest control in coffee farms</p> <p>Natalia Aristizábal¹, Felipe Librán-Embid², Andrea Larissa Boesing³, Guilherme Prata Gonçalves⁴, Emilien Rottier⁵, Jean Paul Metzger³¹<i>University of Vermont, ²Georg-August-Universität Göttingen, ³University of São Paulo, ⁴São Paulo State University, ⁵University of Angers</i></p>
14.45-15.00	<p>T_8915 Stepping into the forest: the potential for cross-habitat spillover of an emerging anthrax pathogen in West Africa</p>

	Lindsay Campbell ¹ , Daniel Romero-Alvarez ² , A. Townsend Peterson ² ¹ <i>Florida Medical Entomology Laboratory, Dept of Entomology & Nematology, IFAS, University of Florida</i> , ² <i>Biodiversity Institute, Dept of Ecology and Evolutionary Biology, University of Kansas</i>
15.00-15.15	T_9009 Complimentary spillover of tropical forest bees into surrounding open areas varies according to landscape context Danilo Boscolo ¹ , Laura Nery ¹ , Patricia Alves Ferreira ¹ , Juliana Takata ¹ ¹ <i>University of São Paulo</i>
15.15-15.30	T0110 A landscape perspective to optimize coffee yields through forest cover management at regional scales Adrian David González Chaves ¹ , Luísa Carvalheiro ² , Lucas Garibaldi ³ , Jean Paul Metzger ¹ ¹ <i>Universidade de Sao Paulo, Department of Ecology</i> , ² <i>Universidade de Goias</i> , ³ <i>Universidad Nacional de Río Negro</i>

Tuesday, 2 July 2019

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

Tuesday, 2 July 2019

14.00-15.30	Session Anthropogenic landscapes Room: U6 - 10
14.00-14.15	T0151 Agricultural Landscapes of Densification. The Case of Luxembourg. Ivonne Weichold ¹ ¹ <i>University Luxembourg</i>
14.15-14.30	T0112 Contribution of living landscapes on ecosystem services in small-holder farming systems Yi Zou ¹ , Felix J. J. A. Bianchi ² , Joop de Kraker ³ , Haijun Xiao ⁴ , Wopke van der Werf ⁵ ¹ <i>Department of Health and Environmental Sciences, Xi'an Jiaotong-Liverpool University</i> , ² <i>Farming Systems Ecology, Wageningen University and Research</i> , ³ <i>Department of Science, Open University</i> , ⁴ <i>Institute of Entomology, Jiangxi Agricultural University</i> , ⁵ <i>Centre for Crop Systems Analysis, Wageningen University and Research</i>
14.30-14.45	T0666 Identifying and supporting High Nature Value farmlands: lessons learned and future needs Sebastian Klimek ¹ , Ângela Lomba ² , Michael Strohbach ³ , Jens Dauber ¹ , David McCracken ⁴ ¹ <i>Thünen Institute of Biodiversity</i> , ² <i>CIBIO-InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos da Universidade do Porto</i> , ³ <i>Landscape Ecology and Environmental Systems Analysis, Institute of Geoecology, Technische Universität Braunschweig</i> , ⁴ <i>Hill & Mountain Research Centre, Scotland's Rural College</i>
14.45-15.00	T0235 Can private property increase land degradation in pastoralist systems? The tragedy of the commons in the North-Eastern Qinghai-Tibetan Plateau in China.

	Mattia C. Mancini ¹ , James D. A. Millington ¹ ¹ <i>Department of Geography, King's College London</i>
15.00-15.15	T0344 Place-Participation, Place-Alienation and Place-Production in Vernacular Landscape Sevgi Gormus ¹ , Serhat Cengiz ¹ , Bulent Yilmaz ¹ ¹ <i>Inonu University College of Fine Art and Design Landscape Architecture Department</i>
15.15-15.30	T0517 Landscape ecology and tourism research - intangible risks and tangible rewards Sylwia Kulczyk ¹ ¹ <i>University of Warsaw, Faculty of Geography and Regional Studies</i>

Tuesday, 2 July 2019

14.00-15.30	<p style="text-align: center;">Symposium 67 - Towards visionary peri-urban landscapes? Environmental governance mixes for sustainable peri-urbanization.</p> <p style="text-align: center;">Room: U6 – 1e</p> <p style="text-align: center;">Session Organisers: Marcin Spyra¹, Christine Fürst¹, Tereza Aubrechtova², Alina Schürmann¹ ¹<i>Marthin Luther University Halle – Wittenberg</i>, ²<i>University of Ostrava</i></p>
14.00-14.15	Introduction to Symposium 67
14.15-14.30	T0624 Beyond boundaries, collaborative governance in periurban landscapes. Evidences from Alpine metropolitan areas Aurore Meyfroidt ¹ , Martina Van Lierop ² , Alessandro Betta ³ ¹ <i>University Grenoble Alpes</i> , ² <i>Technical University Munich</i> , ³ <i>University of Trento</i>
14.30-14.45	T0114 Where houses and wildland vegetation meet – meta-analysis of criterions and methods of Wildland–Urban Interface determination Dominik Kaim ¹ ¹ <i>Jagiellonian University</i>
14.45-15.00	T0821 It takes a region: weaving a strong partnership to grow a healthier urban forest Melissa Custic ¹ ¹ <i>Chicago Region Trees Initiative</i>
15.00-15.15	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) Irena Niedźwiecka-Filipiak ¹ , Justyna Rubaszek ¹ , Anna Podolska ¹ , Jowita Pyszczek ¹ ¹ <i>Wrocław University of Environmental and Life Sciences</i>
15.15-15.30	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 Ruodong Han ¹ , Jianning Zhu ¹ , Tingting Huang ¹ , Ying Zhang ¹ ¹ <i>Beijing Forestry University</i>

Tuesday, 2 July 2019

16.00-16.50	<p style="text-align: center;">Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals</p> <p style="text-align: center;">Room: Aula Magna</p> <p style="text-align: center;">Session Organisers: Wenwu Zhao¹, Yihe Lu², Manish Kumar Goyal⁵, Francesco Cherubini³, Walter Musakwa⁴, Richard Ross Shaker⁶, Stefani Daryanto⁷ ¹<i>Faculty of Geographical Science, Beijing Normal University</i>, ²<i>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>, ³<i>Norwegian University of Science and Technology</i>, ⁴<i>University of Johannesburg</i>, ⁵<i>Indian Institute of Technology Indore</i>, ⁶<i>Ryerson University</i>, ⁷<i>Indiana University – Purdue University Indianapolis</i></p>
16.00-16.05	T0310 Spatial and temporal dynamics of ecosystem services in the Sanjiangyuan National Park, China Wei Cao ¹ , Dan Wu ² , Lin Huang ¹ , Jiangwen Fan ¹ , Yunfeng Hu ¹ ¹ <i>Institute of Geographic Sciences and Natural Resources Research, CAS</i> , ² <i>Nanjing Institute of Environmental Sciences, Ministry of Environmental Protection</i>

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

Tuesday, 2 July 2019

16.00-16.45	Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services Room: U6 - 02 Session Organisers: Felix Herzog ¹ , Yunhui Liu ² , Majid Irvani ³ , Tian Xiang Yue ⁴ ¹ <i>Agroscope, ²China Agricultural University, ³University of Alberta / Alberta Biodiversity Monitoring Institute, ⁴Chinese Academy of Sciences</i>
16.00-16.15	T0586 Surface modelling of biodiversity and ecosystem services in China Tianxiang Yue ¹ ¹ <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>
16.15-16.30	T0718 Developing a Semi-Automatic Classification tool to map habitats and GBI at European scale using OBIA method Judit Rubio-Delgado ¹ , Adara Pardo ¹ , Rolo Victor ¹ , María Jesús Montero ¹ , Gerardo Moreno ¹ ¹ <i>INDEHESA, Forest Research Group, University of Extremadura</i>
16.30-16.45	T0397 Mapping the Supply and Demand of Pollination Service for Pollination management: A Case Study in the Changping District of Beijing, China

	Yunhui Liu ¹ , Xiao Song ¹ , Panglong Wu ¹ ¹ <i>College of Resources and Environmental Sciences, China Agricultural University</i>
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Tuesday, 2 July 2019	
16.00-17.30	Session Biodiversity Conservation
16.00-16.15	T0843 Species traits and landscape changes as drivers of time lags in population decline and recovery Lauren Enright ¹ , Lisbeth Morrison ² , Katie Willis ¹ , Kevin Watts ³ , Simon Duffield ⁴ ¹ <i>Imperial College London</i> , ² <i>University of Reading</i> , ³ <i>Forest Research</i> , ⁴ <i>Natural England</i>
16.15-16.30	T_9010 Importance of habitat landscape heterogeneity to big mammal species: taking giant panda as the case Xuehua Liu ¹ ¹ <i>Tsinghua University</i>
16.30-16.45	T_0991 Movements and habitat use of river dolphins (Cetartiodactyla: Iniidae) in the Amazon and Orinoco river basins, determined from satellite tagging Federico Mosquera Guerra ¹ , Fernando Trujillo ¹ , Marcelo Oliveira ² , Miriam Marmontel ³ , Hugo Mantilla-Meluk ⁴ ¹ <i>Fundación Omacha</i> , ² <i>WWF</i> , ³ <i>Mamiraguá</i> , ⁴ <i>Universidad del Quindío</i>
16.45-17.00	T0757 Managing fire and fauna Down Under – spatially explicit solutions to understand bird distributions in disparate ecosystems Frederick Rainsford ¹ , Kate Giljohann ² , Kate Senior ² , Luke Kelly ² , Andrew Bennett ¹ ¹ <i>La Trobe University</i> , ² <i>University of Melbourne</i>
17.00-17.15	T0766 Monitoring and Mapping of Avifauna Diversity towards Assessment of Wetland Ecosystem Health: A Study of Ichhamati Floodplains in West Bengal, India Jibananda Gayen ¹ , Debajit Datta ¹ ¹ <i>Jadavpur University</i>
17.15-17.30	T0793b Managing fire and fauna Down Under – spatially explicit solutions to understand bird distributions in disparate ecosystems Frederick Rainsford ¹ , Kate Giljohann ² , Kate Senior ² , Luke Kelly ² , Andrew Bennett ¹ ¹ <i>La Trobe University</i> , ² <i>University of Melbourne</i>

Tuesday, 2 July 2019	
16.00-17.45	Symposium 09 - Scoping with future challenges in mountain landscapes Room: Aula Martini (U6 - 4) Session Organisers: Uta Schirpke ^{1,2} , Genxu Wang ³ , Jie Gong ⁴ , Ulrike Tappeiner ^{1,2} , Georg Leitinger ¹ , Emilio Padoa-Schioppa ⁵ , Fausto Manes ⁶ , Per Angelstam ⁷ ¹ <i>University of Innsbruck, Department of Ecology</i> ; ² <i>Eurac Research, Institute for Alpine Environment</i> , ³ <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i> , ⁴ <i>Lanzhou University</i> , ⁵ <i>University of Milano-Bicocca</i> , ⁶ <i>University of Roma - La Sapienza</i> , ⁷ <i>Swedish University of Agricultural Sciences</i>
16.00-16.15	T0639 The Concept of Green Carrying Capacity and Application Framework of Green Carrying Capacity in Three-River-Source National Park Genxu Wang ¹ , Hui Yu ¹ , Genxu Wang ¹ , Yan yang ¹ , Ruiying Chang ¹ , Yaqiong Lv ¹ ¹ <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>

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

Tuesday, 2 July 2019

16.00-17.30	<p style="text-align: center;">Symposium 50 - Disturbance, degradation, and restoration in fragile ecosystems: Implications for resource distribution and ecosystem service</p> <p style="text-align: center;">Room: U6 - 05</p> <p style="text-align: center;">Session Organisers: Junran Li¹, Sujith Ravi², Shiliang Liu³, Yihe Lv⁴</p> <p style="text-align: center;">¹The University of Tulsa, Tulsa, OK, USA, ²Temple University, Philadelphia, PA, USA, ³Beijing Normal University, ⁴Research Centre for Eco-environment Sciences, Chinese Academy of Sciences</p>
16.00-16.15	<p>T0484 Fire history influences butterfly diversity in critically endangered south african renosterveld</p> <p>Emmeline Topp¹, Jacqueline Loos², Friederike Sieve³, Teja Tscharnkte¹ ¹Georg-August University Goettingen, ²Institute of Ecology, Faculty of Sustainability, Leuphana University Lueneburg, ³Leuphana University Lueneburg</p>
16.15-16.30	<p>T0635 The changes in the vegetation patterns in human dominated landscapes caused by disturbances and degradation.</p> <p>Diana Pungar¹, Robert Gerald Henry Bunce¹, Kalev Sepp¹, Janar Raet¹, Miguel Villoslada Peciña¹</p> <p>¹Estonian University of Life Sciences (EMU)</p>
16.30-16.45	<p>T0652 Effects of invasive plant species Quercus rubra on native forest ecosystems</p> <p>Chiara Ferré¹, Rodolfo Gentili¹, Elisa Cardarelli², Chiara Montagnani¹, Giuseppe Bogliani², Sandra Citterio¹ ¹Department of Earth and Environmental Sciences, University of Milano-Bicocca, Piazza della Scienza 1, 20126 Milano, Italy, ²Department of Earth and Environmental Science, University of Pavia, Via Ferrata 9, 27100 Pavia, Italy</p>
16.45-17.00	<p>T0945 Effects of land use and cover change and disturbances regime on the spatial resilience characteristics of the coastal landscape of south-central Chile.</p> <p>Gonzalo Rebolledo^{1,2,3}, Cristian Echeverría^{2,4}, Mauricio Aguayo^{2,5} ¹Doctorado en Ciencias Ambientales, Facultad de Ciencias Ambientales, Universidad de Concepción, Chile, ²Laboratorio de Ecología del Paisaje, Facultad de Ciencias Forestales, Universidad de Concepción, Chile, ³Laboratorio de Planificación Territorial, Depto. de Ciencias Ambientales, Universidad Católica de Temuco, Chile, ⁴Núcleo Milenio Centro para el Impacto Socioeconómico de las Políticas Ambientales (CESIEP), ⁵Centro EULA Chile, Facultad de Ciencias Ambientales, Universidad de Concepción, Chile.</p>
17.00-17.15	<p>T_1001 Increased soil methane emissions and methanogenesis in oil contaminated areas</p> <p>Juejie Yang¹ ¹Department of Environmental Science and Engineering, Tsinghua University</p>
17.15-17.20	<p>T0289 Biodiversity Maintenance Mechanism of Community Succession in Karst Rocky Desertification Restoration Area in Yunnan, China</p> <p>Kun Li¹, Zihao Zhang², Shuxin Fan¹, Peiyao Hao¹, Li Dong¹ ¹Beijing Forestry University, ²University of Virginia</p>
17.20-17.25	<p>T0538 Enhancing protection for wetlandscapes</p> <p>Irena Creed¹ ¹University of Saskatchewan</p>
17.25-17.30	<p>T0539 Spatiotemporal heterogeneity of land use change due to the ecological restoration and urbanization in the Chinese loess hilly region</p> <p>Haitang Hu¹, Yihe LV² ¹Beijing Research Center for Information Technology in Agriculture, BAFFS, ²Research Center for Eco-Environmental Sciences, CAS</p>

Tuesday, 2 July 2019

16.00-17.30	<p style="text-align: center;">Symposium 13 - Addressing the challenges of the Anthropocene with strategic planning: novel ways to couple ecological sciences and territorial governance</p> <p style="text-align: center;">Room: U6 - 7</p> <p style="text-align: center;">Session Organisers: Hersperger Anna M.¹, Grădinaru Simona R.², Pierrri Daunt Beatriz³</p> <p style="text-align: center;">¹Swiss Federal Research Institute WSL, ²University of Bucharest, ³State University of São Paulo</p>
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16.00-16.05	T0770 Identifying key nodes of ecological restoration using complex network theory Danna Lyu ¹ , Jian Peng ^{2,1} <i>School of Urban Planning and Design, Shenzhen Graduate School, Peking University, ²College of Urban and Environmental Sciences, Peking University</i>
16:05-16:10	T0899 Assessing and monitoring land management on functional urban areas: a suggested framework and indicator Erika Bazzato ¹ , Michela Marignani ^{1,1} <i>University of Cagliari</i>
16:10-16.15	T0494 Inundation simulation for the riverbed elevation changes caused by quarrying in Panay River, Capiz, Philippines Aicel Mae Alvarez ¹ , Nappy Navarra ^{1,1} <i>College of Architecture, University of the Philippines</i>
16.15-16.30	T_8868 Coproducing a local Landscape Character Assessment to guide strategic planning for Wilmslow, Cheshire Jonathan Porter ¹ , Jemma Simpson ¹ , John Handley ² , Jean Hill ^{2,1} <i>Countryside, ²Wilmslow Neighbourhood Plan Group</i>
16.30-16.45	T0946 Evolution of strategic planning in a flagship protected area of China Wei Liu ¹ , Dihua Li ^{2,1} <i>IIASA, ²Peking University</i>
16.45-16.50	T0657 Ecosystem service assessment as basis for regional development planning, steering concept and educational activities Johannes Ruedisser
16.50-16.55	T_0993a Worldwide human-wildlife conflicts: insights on why parrots forage in agricultural lands and its outcomes Jomar Magalhaes Barbosa
16.55-17.00	T0482 Assessing the extent of willife vehicle collissions (WVCs) on Cyprus road network Ioannis Vogiatzakis ¹ , Savvas Zotos ¹ , Maria Zomeni ¹ , Vassilis Litskas ¹ , Stalo Leontiou ¹ , Ioannis Vogiatzakis ^{1,1} <i>Open University of Cyprus</i>
17.00-17.15	T_0971 Rural landscape strategies – between conflict management and place making JorgenPrimdahl

Tuesday, 2 July 2019

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

	Francesco Valerio ¹ , Filipe Carvalho ² , A. Márcia Barbosa ³ , António Mira ³ , Sara M. Santos ¹ ¹ <i>UBC – Conservation Biology Lab; Department of Biology, University of Évora, Évora, Portugal,</i> ² <i>Research Center in Biodiversity and Genetic Resources (CIBIO/InBIO), University of Porto, Campus Agrário de Vairão, 4485-661 Vairão, Portugal;</i> <i>Department of Zoology and Entomology, School of Biological and Environmental Sciences, University of Fort Hare, Private Bag X1314, Alice 5700, South Africa,</i> ³ <i>Department of Biology, University of Évora, Évora - Portugal</i>
17.30-17.45	T0270 Contribution of functional connectivity to fragment occupancy by carnivores in a Mediterranean agroecosystem Bruno Suárez de Tangil ¹ , Alejandro Rodríguez ¹ ¹ <i>Estación Biológica de Doñana - CSIC</i>

Tuesday, 2 July 2019

16.00-17.30	Session Urban forestry Room: U6-9
16.00-16.15	T0017 The cooling and ventilation effects of trees configuration in residential area in central China Li Zhang ¹ ¹ <i>Huazhong Agricultural University</i>
16.15-16.30	T0134 Interannual Variation of Phenological Seasons in Beijing Demonstrates the Effect of Climate Change on Urban Vegetation Xiaoyi Xing ¹ , Peiyao Hao ¹ , Li Dong ¹ ¹ <i>School of Landscape Architecture, Beijing Forestry University</i>
16.30-16.45	T0209 Strategy of Conserving Beijing's Imperial Garden Group as Urban National Park Tianxin Zhang ¹ ¹ <i>Peking University</i>
16.45-17.00	T0696 Growth of two street tree species in Kyoto City, Japan Tasuku Shoda ¹ , Junichi Imanishi ² , Shozo Shibata ³ ¹ <i>Graduate School of Agriculture, Kyoto University,</i> ² <i>Graduate School of Life and Environmental Sciences, Osaka Prefecture University,</i> ³ <i>Graduate School of Global Environmental Studies, Kyoto University</i>
17.00-17.15	T0646 Influence of legislation regulations on the number of trees cut on private possessions in a city. Racibórz case study. Patrycja Przewoźna ^{1,2} , Piotr Chmielewski ^{3,1} , Karolina Zięba-Kulawik ^{4,1} , Paweł Hawryło ⁴ , Adam Ingłot ^{5,1} , Piotr Wężyk ^{4,1} ¹ <i>Institute of Sociology, Faculty of Social Sciences Adam Mickiewicz University in Poznan,</i> ² <i>Institute of Geocology and Geoinformation Adam Mickiewicz University in Poznan,</i> ³ <i>Faculty of Artes Liberales University of Warsaw,</i> ⁴ <i>Institute of Forest Resources Management, Faculty of Forestry University of Agriculture in Krakow,</i> ⁵ <i>Faculty of Civil and Environmental Engineering Gdansk University of Technology Gdansk, Poland</i>
17.15-17.30	T0076 Application of 3D ultrasonic tomography for tree risk assessment and wood evaluation Michele Puxeddu, Silvana Fais ¹ , Francesco Cuccuru ¹ , Nicola Cau ¹ ¹ <i>Dipartimento di Ingegneria Civile, Ambientale e Architettura (DICAAR), Università di Cagliari</i>

Tuesday, 2 July 2019

16.00-16.55	Symposium 65 - Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene Room: U6 - 10 Session Organisers: Veerle Van Eetvelde ¹ , Simona Grădinaru ² , Wenche Dramstad ³ , Werner Rolf ⁴ , Ileana Stupariu ² ¹ <i>University of Ghent, Department of Geography, Landscape Research Unit,</i> ² <i>University of Bucharest,</i> ³ <i>NIBIO,</i> ⁴ <i>Chair for Strategic Landscape Planning and Management, Technical University of Munich</i>
16.00-16.15	T0955 Landscape' / 'Architecture' / 'Seeing' / 'Acting' Structuring disciplinary dichotomies for ecological learning Rosalea Monacella ¹ , Bridget Keane ² ¹ <i>Harvard University,</i> ² <i>RMIT University</i>

16.15-16.30	T0969 Learning landscape ecology in the landscape: Educative tools in the context of a landscape observatory Maria da Graça Saraiva Saraiva ¹ , Isabel Loupa-Ramos ² , Veerle Van Eetvelde ³ ¹ <i>CIAUD/University of Lisbon</i> , ² <i>IST/University of Lisbon</i> , ³ <i>Uniniversity of Ghent, Department of Geography</i>
16.30-16.35	T0256 Teaching and learning landscape ecology to landscape architects in Italy toward protective, adaptative, redundant landscape design Adriana Ghersi ¹ , Ilda Vagge ² ¹ <i>University of Genoa, Department of Architecture and Design, Polytechnic School</i> , ² <i>University of Milan, Department of Agricultural and Environmental Sciences</i>
16.35-16.40	T0337 Interdisciplinary training through a distributed graduate course: DGS Landscape Genetics Helene Wagner ¹ , Melanie Murphy ² , Lisette Waits ³ ¹ <i>University of Toronto</i> , ² <i>University of Wyoming</i> , ³ <i>University of Idaho</i>
16.40-16.45	T0612 Impactful partnerships among graduate students and managers for regenerative landscape design Erica Smithwick Smithwick ¹ ¹ <i>The Pennsylvania State University</i>
16.45-16.50	T0942 Going beyond traditional teaching methods with Inquiry Based Science Learning (IBSE) Marta Panisi ¹ ¹ <i>ANISN (associazione Nazionale Insegnanti di Scienze Naturali); Liceo Camillo Golgi - Breno (BS)</i>
16.50-16.55	T8896 Growing roots: using data to connect people to the trees in their communities Emily Okallau ¹ ¹ <i>Chicago Region Trees Initiative</i>

Tuesday, 2 July 2019

16.00-16.30	Symposium 14 - Linking natural and anthropogenic forces: landscape pattern and processes in global urbanized deltas and lowlands Room: U6 - 13 Session Organisers: Zhifeng Wu ¹ , Paolo Tarolli ² , Xiuzhen Li ³ ¹ <i>Guangzhou University</i> , ² <i>Padova University</i> , ³ <i>East China Normal University</i>
16.00-16.15	T8795 Urban transformation of river landscapes in mainland China over the past 60 years Xiankun Yang ¹ ¹ <i>Guangzhou University</i>
16.15-16.20	T0107 Island ecosystem management based on ecological vulnerability simulation and prediction: a case study of Zhujiajian Island Zuolun Xie ¹ , Xiuzhen Li ¹ , Shenliang Chen ¹ ¹ <i>State Key Laboratory of Estuarine and Coastal Research, East China Normal University</i>
16.20-16.25	T0313 Analysis of Urban Residential Density Based on Low Altitude UAV Tilt Photogrammetry Renbo Luo ¹ , Wei Wu ¹ , Zhifeng Wu ¹ ¹ <i>School of Geographical Sciences, Guangzhou University</i>
16.25-16.30	T0316 Characterizing the impact of urban morphology heterogeneity on land surface temperature in Guangzhou, China Guanhua Guo ¹ , Zhifeng Wu ¹ ¹ <i>Guangzhou University</i>

Tuesday, 2 July 2019

16.00-17.20	Symposium 39 - The design of the contemporary cities through a green and blue infrastructure for Ecosystem services provision Room: U6 – 1a Session Organisers: Silvia Ronchi ¹ , Andrea Arcidiacono ¹ , Angela Colucci ² ¹ <i>Department of Architecture and Urban Studies (DASU), Politecnico di Milano</i> , ² <i>RESilienceLAB / SIEP-IALE</i>
16.00-16.15	T_1003 Introduction of ecological corridors in Tirana city planning

	Jamarber Malltezi ¹ , Sherina Dalipaj ² , Erdona Demiraj ¹ , Sulejman Sulce ¹ , Jamarber Malltezi ¹ <i>¹Agricultural Univeristy of Tirana, ²Tirana Parks and Recreational Agency, Municipality of Tirana</i>
16.15-16.30	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 Naoko Fujita ¹ <i>¹University of Tsukuba</i>
16.30-16.45	T_1004 Reshaping Urban Environments through Infrastructure Design Protocols Rosalea Monacella ¹ <i>¹Harvard University</i>
16.45-17.00	T_0717 The Regional Green Network: designing new landscapes in a complex region Luisa Pedrazzini ¹ <i>¹Regione Lombardia</i>
17.00-17.05	T0179 Air Purification by Urban Park Trees in Hong Kong Allen Hao Zhang ¹ <i>¹Technological and Higher Education Institute of Hong Kong</i>
17.05-17.10	T0197 Creating opportunities as a form of planning for cultural ecosystem services Neven Tandarić ¹ , Christopher D. Ives ¹ , Charles Watkins ¹ <i>¹University of Nottingham</i>
17.10-17.15	T0204 Cold and wet island effects of urban green spaces in cold winter in Beijing, China Yilun Li ¹ , Shuxin Fan ¹ , Peiyao Hao ¹ , Li Dong ¹ <i>¹School of Landscape Architecture, Beijing Forestry University</i>
17.15-17.20	P0198 Agent-based simulation as an innovative approach to the design of green compact cities Francesco Orsi ¹ <i>¹University of Trento</i>

Tuesday, 2 July 2019

16.00-16.45	Symposium 56 - Biodiversity spillover in fragmented landscapes and effects on ecosystem services provision and regulation Room: U6 – 1b Session Organisers: Andrea Larissa Boesing ¹ , Paula Ribeiro Prist ¹ <i>¹Department of Ecology, University of São Paulo</i>
16.00-16.15	T0546 Spillover of pollinator diversity and services from forest to oil palm in Jambi, Indonesia Kevin Li ¹ , Ingo Grass ¹ , Jonathan Fung ² , Fuad Nurdiansyah ³ , Damayanti Buchori ⁴ , Teja Tschardt ¹ <i>¹University of Goettingen, ²University of Bremen, ³University of Jambi, ⁴Bogor Agricultural University</i>
16.15-16.30	T0619 Landscape structure as driver of avian-cross habitat spillover into agricultural matrices Andrea Larissa Boesing ¹ , Elizabeth Nichols ² , Thiago Simon Marques ³ , Luiz Antonio Martinelli ⁴ , Jean Paul Metzger ⁵ <i>¹University of São Paulo, ²Department of Biology, Swarthmore College, 500 College Avenue, Swarthmore, USA, ³Center for Environmental Studies, University of Sorocaba, ⁴Center for Nuclear Energy in Agriculture, University of São Paulo, ⁵Department of Ecology, University of São Paulo</i>
16.30-16.45	T0866 Landscape structure affects pollinator and natural enemy spillover: a meta-analysis Carolina Montealegre-Talero ¹ , Andrea Larissa Boesing ¹ , Jean Paul Metzger ¹ <i>¹Department of Ecology, University of São Paulo</i>

Tuesday, 2 July 2019

16.00-17.30	Session Anthropogenic landscapes Room: U6 – 1d
16.00-16.15	T0804 Green seawall: challenge to conversion from gray to green infrastructure. Hajime Matsushima ¹ , Akira Suzuki ² , Yoshihiko Hirabuki ³ , Kouji Kimura ⁴ , Xiangmei Zhong ⁵ , Akinori Fujii ⁶ <i>¹Research Faculty of Agriculture, Hokkaido University, ²Kita-no-satohama Hana-no-kakehashi Network, ³Faculty of Liberal Arts, Tohoku Gakuin University, ⁴Snow Brand Seed Co., Ltd, ⁵Graduate school of Agriculture, Hokkaido University, ⁶Board of Education, Chatan town</i>
16.15-16.30	T0661 Ecological connectivity along the Tiber River: a GIS based study linking land use changes and habitats availability

	Silvia Pili ¹ , Giampiero Mazzocchi ¹ , Davide Marino ² ¹ <i>Sapienza University</i> , ² <i>Università Molise</i>
16.30-16.45	T_7777 Remote sensing in a landscape planning perspective: a multi-scale analysis for mismatches between regulating and provisioning Ecosystem Services Federica Marando ¹ , Alessandro Sebastiani ¹ , Fausto Manes ¹ ¹ <i>Sapienza University of Rome</i>
16.45-17.00	T0348 Modeling of Landscape Pattern-Process Interaction for Ankara City Serhat Cengiz ¹ , Serhat Cengiz ¹ , Dicle Oguz ² , Sevgi Gormus ¹ ¹ <i>Inonu University College of Fine Art and Design Landscape Architecture Department</i> , ² <i>Ankara University</i>
17.00-17.15	T0649 Technomass: building a bridge between urban ecology, metabolism and planning Luis Inostroza ¹ , ¹ <i>Universidad Autonoma de Chile</i>

Tuesday, 2 July 2019

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

Thursday, 4th July 2019

08.30-10.00	<p>PLENARY SESSION</p> <p>Round table discussion on the impacts of landscape ecology for societies today and in the future,</p> <p>Room: Aula Magna</p>
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Thursday, 4th July 2019

10.30-12.30	<p style="text-align: center;">Symposium 19 - Promoting Ecosystem Services for Sustainable Development Goals</p> <p style="text-align: center;">Room: Aula Magna</p> <p>Session Organisers: Wenwu Zhao¹, Yihe Lu², Manish Kumar Goyal⁵, Francesco Cherubini³, Walter Musakwa⁴, Richard Ross Shaker⁶, Stefani Daryanto⁷</p> <p style="text-align: center;"><i>¹Faculty of Geographical Science, Beijing Normal University, ²Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, ³Norwegian University of Science and Technology, ⁴University of Johannesburg, ⁵Indian Institute of Technology Indore, ⁶Ryerson University, ⁷Indiana University – Purdue University Indianapolis</i></p>
10.30-10.45	<p>T0230 Impacts of land management and land cover change on albedo - a global assessment</p> <p>Cristina Maria Iordan¹, Bo Huang¹, Xiangping Hu¹, Otavio Cavalett¹, Helene Muri¹, Francesco Cherubini¹ <i>¹Norwegian University of Science and Technology</i></p>
10.45-11.00	<p>T0873 The path towards MAES Estonia</p> <p>Miguel Villoslada¹, Kalev Sepp¹ <i>¹Estonian University of Life Sciences</i></p>
11.00-11.15	<p>T0893 Detecting critical scales and fragmentation thresholds for chimpanzee habitat connectivity in Liberia</p> <p>Amy Frazier¹, Catherine Hudson¹, Miroslav Honzak², Keith Gaddis³, Celio Helder Sousa³ <i>¹Arizona State University ²Conservation International ³National Aeronautics and Space Administration</i></p>
11:15-11.30	<p>T0991 Linking microbial structure to ecosystem function for improved prediction of ecosystem processes</p> <p>Kusum Naithani¹ <i>¹University of Arkansas</i></p>
11.30-11.45	<p>T0992 Worldwide human-wildlife conflicts: insights on why parrots forage in agricultural lands and its outcomes</p> <p>Jomar Magalhaes Barbosa¹, Miguel Ángel Romero Gil¹, Fernando Hiraldo¹, José Luis Tella¹</p> <p><i>¹Department of Conservation Biology, Estación Biológica de Doñana, C.S.I.C.</i></p>
11.45-12.00	<p>T1012 Niche Evolution of China's Provincial Social–Economic–Natural Complex Ecosystems, 2005–2015</p> <p>Shuan-ning Zheng¹, Yuan-tong Jiang¹, Chun-yuan Zhao¹, Ye-ning Wang¹ <i>¹Institute of Urban Environment, Chinese Academy of Sciences</i></p>
12.00-12.15	<p>T8783 The Ecosystem Services of wetlands: a diachronic analysis of landscape changes in six Italian Ramsar Sites</p> <p>Serena D'Ambrogio¹, Riccardo Santolini², Francesca Assennato¹, Alice Cavalli³, Susanna D'Antoni¹, Ines Marinosci¹ <i>¹ISPRA ²University of Urbino ³IUSS Pavia</i></p>

Thursday, 4th July 2019

10.30-12.10	<p>Symposium 30 - Mapping and monitoring farmland biodiversity and ecosystem services</p> <p>Room: U6-02</p> <p>Session Organisers Felix Herzog¹, Yunhui Liu², Majid Irvani³, Tian Xiang Yue⁴</p> <p>¹Agroscope ²China Agricultural University ³University of Alberta / Alberta Biodiversity Monitoring Institute ⁴Chinese Academy of Sciences</p>
10.30-10.35	<p>T0727 Beyond the stand: Reviewing landscape fragmentation measures and dynamics on biodiversity and ecosystem services in Southeast Asia</p> <p>Michaela Lo¹, Yves Laumonier¹ ¹CIFOR</p>
10.35-10.40	<p>T0594 Beyond agricultural production: using remote sensing to map farmlands' biodiversity</p> <p>Edyta Wozniak¹, Wlodek Kofman^{1,2}, Sebastian Aleksandrowicz¹, Marcin Rybicki¹, Stanislaw Lewiński¹, Artur Łączyński³ ¹Space Research Centre of The Polish Academy of Sciences ²Institut de Planetologie et d'Astrophysique de Grenoble, CNRS/UGA ³Central Statistical Office of Poland</p>
10.40-10.45	<p>T0307 Similarities of carabid assemblages in neighboring cereal and grassland fields in three intensive agricultural areas</p> <p>Damien Massaloux¹, Benoit Sarrazin¹, Anthony Roume¹, Vincent Tolon¹, Alexander Wezel¹ ¹ISARA-Lyon</p>
10.45-11.00	<p>T0234 Landscape effects on crop pest biocontrol are modulated by local pesticide use.</p> <p>Sandrine Petit¹ ¹INRA</p>
11.00-11.15	<p>T0936 Landscape agronomy: bibliometric insights on key issues and background concepts of a conceptual framework</p> <p>Davide Rizzo¹, Elisa Marraccini², Marc Benoît³, Claudine Thenail⁴, Sylvie Lardon⁵ ¹Chair in Agricultural Machinery and New Technologies, UniLaSalle ²InTerACT UP 2018.C102, UniLaSalle ³INRA ⁴INRA, UMR 0980 BAGAP "Biodiversité AGroécologie et Aménagement du Paysage" ⁵INRA et AgroParisTech, UMR Territoires</p>
11:15-11.30	<p>T0106 Could farming practices subsidized by the European agricultural policy lead to a better nature condition and fight against climate change?</p> <p>Marta Perez-Soba¹ ¹Joint Research Centre, European Commission</p>
11.30-11.45	<p>T0601 Multi-dimensional Assessment of Agrarian Cultural Landscape Values: A Case Study of Duman Agricultural Landscape of Barangay Sta. Monica</p> <p>Joshua Cunanan¹, Nappy Navarra² ¹De la Salle - College of St. Benilde, School of Design and Arts ²University of the Philippines - Dlliman</p>
11.45-12.00	<p>T0335 Costs-effectiveness of wildlife-friendly practices for multiple taxa: a landscape scale approach</p> <p>Hila Segre¹, Yohay Carmel¹, Assaf Shwartz¹ ¹Technion - Israel Institute of Technology</p>
12.00-12.05	<p>T0834 Contrasting classification models in coastal landscapes: studying Golfo de Arauco, at south-central Chile</p> <p>Vannia Ruiz¹, Juan Munizaga², Fernando Ureta² ¹Pontificia Universidad Católica de Chile ²Universidad de Concepción</p>

Thursday, 4th July 2019

10.30-12.30	<p>Symposium 42 - Mapping and monitoring farmland biodiversity and ecosystem services</p> <p>Room: U6-03</p> <p>Symposium organizers: Flurina Wartmann¹, Felix Kienast¹, Marcel Hunziker¹ ¹<i>Federal Research Institute for Forest, Snow and Landscape (WSL)</i></p>
10.30-10.45	Introduction to Symposium 42
10.45-11.00	<p>T0231 An integrated monitoring of landscape perception Flurina M. Wartmann¹, Marcel Hunziker¹, Felix Kienast¹¹<i>Swiss Federal Research Institute for Forest, Snow and Landscape (WSL)</i></p>
11.00-11.15	<p>T0765 Monitoring mountain summer farming landscapes in Norway through an area frame survey Sebastian Eiter¹, Geir-Harald Strand¹, Wendy Fjellstad¹, Kari Stensgaard¹ ¹<i>NIBIO - Norwegian Institute of Bioeconomy Research</i></p>
11:15-11.30	<p>T0444 Monitoring the visual landscape quality based on farm census data Beatrice Schüpbach¹, Andreas Roesch¹, Thomas Walter¹, Erich Szerencsits¹¹<i>Agroscope</i></p>
11.30-11.45	<p>T0817 Integrating wilderness qualities into landscape monitoring Brenda Maria Zoderer¹, Erich Tasser², Steve Carver³, Ulrike Tappeiner¹¹<i>Department of Ecology, University of Innsbruck</i> ²<i>Institute for Alpine Environment, Eurac Research</i> ³<i>School of Geography, University of Leeds</i></p>
11.45-12.00	<p>P_0227 Survey on community livelihoods and landscape change along the Nzhelele and Levubu river catchments in the Limpopo Province, South Africa Walter Musakwa¹, Shuai Wang², Fangli Wei², Lerato Malapane³, Eric Mashimbye⁴, Sydney Mavengahama⁵ ¹<i>Department of Town and Regional Planning, University of Johannesburg</i> ²<i>Beijing Normal University</i> ³<i>University of Johannesburg</i> ⁴<i>Stellenbosch University</i> ⁵<i>North West University</i></p>
12.00-12.15	<p>T0884 Assessing the "Landscape quality" and the Cultural Ecosystem Services through quantitative and qualitative indicators: an overview of the literature Lionella Scazzosi¹, Raffaella Laviscio¹, Paola Branduini¹, Andrea L'Erario² ¹<i>PaRID – Research and International Documentation for Landscape, Dept. of Architecture, Built environment and Construction engineering (DABC), Politecnico di Milano, Italy</i> ²<i>PhD student in Preservation of the Architectural Heritage, Dept. of Architecture and Urban Studies (DASU), Politecnico di Milano, Italy</i></p>
12.15-12.30	<p>T0219 Landscape monitoring and performance evaluation to establish learning landscapes Enrico Celio¹, Sven-Erik Rabe¹ ¹<i>ETH Zürich - IRL - PLUS</i></p>

Thursday, 4th July 2019

10.30-12.45	<p>Symposium 59 - Understanding the capacity of Landscape connectivity and ecosystem integrity to supply multiple ecosystem services: insights into sustainable landscapes</p> <p>Room: Aula Martini (U6-4)</p> <p>Session Organisers: Luque Sandra¹, Le Louarn Marine¹, van Dijk Jiska²</p> <p>¹IRSTEA National Research Institute of Science and Technology for Environment and Agriculture ²NINA</p>
10.30-10.45	Introduction to Symposium 59
10.45-11.00	<p>T0903 A Landscape level approach of green infrastructure multifunctionality: from species conservation to ecosystem services producing areas</p> <p>Philip Roche^{1,2}, C. Sylvie Campagne^{1,3}, Stien Heremans⁴, Geert De Blust⁴, Jiska Van Dijk⁵</p> <p>¹IRSTEA ²UMR RECOVER ³Institute of Physical Geography & Landscape Ecology; Leibniz Universität Hannover ⁴INBO ⁵NINA</p>
11.00-11.15	<p>T0245 Combining connectivity and habitat suitability models as decision-making tools: a case study in the south of France</p> <p>Marine Le Louarn¹, Maxime Lenormand¹, Sandra Luque¹ ¹IRSTEA</p>
11:15-11.30	<p>T0362 How forest edges contribute to landscape connectivity?</p> <p>Deonchat Marc¹, Barbaro Luc¹, Brin Antoine², Calatayud François¹</p> <p>¹INRA/DYNAFOR ²EIPurpan/DYNAFOR</p>
11.30-11.45	<p>T0247 Quantifying simultaneously habitat loss and fragmentation for mobile species in continuous landscapes through Habitat Functionality - applied to Norwegian reindeer</p> <p>Bram Van Moorter¹, Ilkka Kivimaki², Manuela Panzacchi¹, Santiago Saura³, Marco Saerens⁴</p> <p>¹Norwegian Institute for Nature Research ²Aalto University ³Joint Research Centre, European Commission ⁴Université catholique de Louvain</p>
11.45-12.00	<p>T0177 Planning tools for landscape connectivity and threatened species conservation in a forestry context</p> <p>Dydee Mann¹ ¹Forest Practices Authority</p>
12.00-12.15	<p>T0324 Global trends in protected area connectivity from 2010 to 2018</p> <p>Santiago Saura¹, Bastian Bertzky¹, Lucy Bastin¹, Luca Battistella¹, Andrea Mandrici¹, Gregoire Dubois¹ ¹European Commission, Joint Research Centre</p>
12.15-12.20	<p>T0385 A trait-based approach to unravel the effects of habitat connectivity and habitat amount on weeds</p> <p>Léa Uroy¹⁻², Cendrine Mony³, Aude Ernoult¹, Audrey Alignier² ¹University of Rennes, UMR CNRS 6553 Ecobio, 35000, Rennes, France ²INRA of Rennes, UMR INRA 0980 Bagap, 35000, Rennes, France.</p>
12.20-12.25	<p>T0752 Modelling the connectivity of the coastal social-ecological networks subject to oceanic hazards</p> <p>Antoine Collin¹, Dorothée James¹, Joachim Claudet¹ ¹EPHE, PSL Université Paris, CNRS LETG</p>
12.25-12.30	<p>T0271 Effects of wooded networks on biological control: synergy or antagonism?</p> <p>Florence Hecq¹, Charlotte Francis¹, Thierry Hance² ¹Earth and Life Institute, Université Catholique de Louvain ²Université catholique de Louvain</p>
12.30-12.35	<p>P0106 Wetlands connectivity matters for maintenance of amphibian populations in different wetland network configurations</p> <p>Patrizia Zamberletti¹⁻², Marta Zaffaroni¹⁻³, Francesco Accatino¹⁻⁴, Irena Creed⁵, Carlo De Michele⁶</p> <p>¹INRA ²BioSP ³PSH ⁴UMR SADAPT ⁵School of Environment and Sustainability, University of Saskatchewan ⁶Department of Civil and Environmental Engineering, Politecnico di Milano</p>
12.35-12.40	<p>T0464 Effects of network conductivity of linear landscape elements on arthropod and plant communities in agricultural landscapes modelled with circuit theory</p> <p>Jan Thiele¹, Jens Schirmel², Sascha Buchholz³ ¹Thünen Institute of Biodiversity ²University of Koblenz-Landau, Institute for Environmental Science ³Technische Universität Berlin, Department of Ecology</p>

12.40-12.45	T0373 Study on ecological route selection of subtropical mountain expressway in China. Zhaoming Wang ¹ , Dong Zhang ¹ , Shegang Shao ¹ , Minmin Yuan ¹ , Dong Ni ¹ , Chao Wang ² ¹ <i>Research Institute of Highway, Ministry of Transport, China.</i> ² <i>Guangdong traffic construction co. LTD</i>
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Thursday, 4th July 2019

10.30-12.30	<p>Symposium 18 Temporal dynamics in landscape science: New applications and opportunities in social-ecological systems</p> <p>Room: U6-05</p> <p>Session Organisers Alexander Killion¹, Mario Torralba², Patrick Behrer³, Jessica Gilbert⁴, Adam Dixon⁵ <i>The National Socio-Environmental Synthesis Center</i> ²<i>University of Kassel</i> ³<i>Harvard University</i> ⁴<i>Texas A&M University</i> ⁵<i>University of Maryland Baltimore County</i></p>
10.30-10.45	Introduction to Symposium 18
10.45-11.00	<p>T0049 Designing spatiotemporal multifunctional landscapes to support dynamic wildlife conservation</p> <p>Alexander Killion¹, Adam Dixon², Jessica Gilbert³, Mario Torralba⁴, Patrick Greiner⁵, Patrick Behrer⁶ ¹<i>Boise State University</i> ²<i>University of Maryland Baltimore County</i> ³<i>Texas A&M University</i> ⁴<i>University of Kassel</i> ⁵<i>Vanderbilt University</i> ⁶<i>Harvard University</i></p>
11.00-11.15	<p>T0010 Examining socio-ecological connectivity through urban garden networks across varying cityscapes</p> <p>Monika Egerer¹, Nakisha Fouch², Elsa Anderson³, Mysha Clarke⁴, Melissa Davidson⁵ ¹<i>Environmental Studies, University of California, Santa Cruz</i> ²<i>Dept. Wildlife and Fisheries Biology, Clemson University</i> ³<i>Dept. of Biological Sciences, University of Illinois at Chicago</i> ⁴<i>Geography and the Environment, Villanova University</i> ⁵<i>School of Sustainability, Arizona State University</i></p>
11.15-11.30	<p>T0206 Spatiotemporal overlap of pesticide use and species richness in California, USA</p> <p>Ashley Larsen¹, Andrew MacDonald² ¹<i>Bren School of Environmental Science & Management, UC Santa Barbara</i> ²<i>Earth Research Institute, UC Santa Barbara</i></p>
11.30-11.45	<p>T0669 Socio-ecological systems: Identification and spatial mapping in the Central Himalayas</p> <p>Praveen Kumar¹, P.K. Joshi¹, Christine Fürst² ¹<i>School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India</i> ²<i>Institut für Geowissenschaften und Geographie, Martin Luther Universität Halle, Halle, Germany</i></p>
11.45-12.00	<p>T0862 Land systems on the move: A new spatiotemporal data-driven approach on land system modelling applied to the Mediterranean basin.</p> <p>Johanna Fusco¹ ¹<i>Institut Méditerranéen de Biodiversité et d'Ecologie (IMBE) / Mediterranean Institute for Biodiversity and Ecology (Aix-en-Provence, FR)</i></p>
12.00-12.15	<p>T_0974 The Connected Nature of Landscape Transformation: A case study of Asian Carp</p> <p>Jordan Besek¹ ¹<i>SUNY at Buffalo</i></p>
12.15-12.30	<p>T0641 The tragedy of the parks: lessons for protecting nature in post-conflict Colombia</p> <p>Nicola Clerici¹, Dolors Armenteras², Peter Kareiva³, Rodrigo Botero⁴, Juan Pablo Ramírez Delgado⁵, Duan Biggs⁶ ¹<i>Biology Program, Faculty of Natural Sciences and Mathematics Universidad del Rosario</i> ²<i>Ecología del Paisaje y Modelación de Ecosistemas-ECOLMOD, Departamento de Biología, Universidad Nacional de Colombia</i> ³<i>Institute of the Environment and Sustainability, University of California</i> ⁴<i>Fundación para la Conservación y el Desarrollo Sostenible</i> ⁵<i>Natural Resource and Environmental Studies Institute, University of Northern British Columbia</i> ⁶<i>Environmental Futures Research Institute. Griffith University</i></p>

Thursday, 4th July 2019

10.30-12.30	<p>Symposium 74 Biocultural Landscapes During the Anthropocene</p> <p>Room: U6-06</p> <p>Session Organisers Inocencio Jr. Buot¹, Regan Leonardus Kaswanto²</p> <p>¹University of the Philippines Los Baños²Bogor Agricultural University</p>
10.30-10.45	Introduction to Symposium 18
10.45-11.00	<p>T0123 Water and Nutrient Dynamics in Muyong Forest and Rice Terraces (muyong-payoh system) in Banaue, Philippines</p> <p>Damasa Macandog¹, Milben Bragais¹, Jennifer Edrial¹, Marc Brian Manlubatan¹, Marc Anthony Rabena¹, Ma. Bernice Carmela Liquigan¹ ¹University of the Philippines Los Banos</p>
11.00-11.15	<p>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</p> <p>Anita Calegari</p>
11.15-11.30	<p>T0309 Biocultural landscape of Carpinus tschonoskii var. torta, a national natural monument in Japan</p> <p>Nobukazu Nakagoshi¹ ¹Hiroshima University</p>
11.30-11.45	<p>T0314 Pattern of vegetation structure along elevational gradients in a tropical biocultural landscape</p> <p>Inocencio E Buot Jr^{1,2} ¹University of the Philippines Los Banos ²University of the Philippines Open University</p>
11.45-12.00	<p>T0015 Fragmentation drivers in Polillo Islands key biodiversity area, Polillo Quezon, Philippines</p> <p>Leajim Villanueva^{1,2}, Carmelita Rebanco^{1,2}, Dante Gideon Vergara^{1,2}, Eleno Peralta^{1,3} ¹UPLB ²SESAM ³CNFR</p>
12.00-12.15	<p>T0305 An Assessment of a Biocultural Landscape using Community Wellbeing Approaches</p> <p>Merites Merida Buot¹, Virginia R. Cardenas, Ma. Zenia Dulce, Rona Montecalbo-Ignacio, Bertito M. Laganson, Rumela C. Bullecer ¹Department of Human Kinetics, College of Arts and Sciences, University of the Philippines Los Banos</p>
12.15-12.30	<p>T0736 Vegetation stand structure analysis using quadrat method and auto-cad in a tropical forest ecosystem in Banaue, Ifugao, Northern Luzon, Philippines</p> <p>Mark Anthony Rabena^{1,2}, Damasa Macandog¹ ¹Institute of Biological Sciences, College of Arts and Sciences, University of the Philippines Los Banos ²Faculty of Management and Development Studies, University of the Philippines Open University</p>

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10.30-12.30	<p>Symposium 49 Challenges for subterranean landscape conservation in the world's karst regions</p> <p>Room: U6-07</p> <p>Session Organisers Claudia Canedoli¹, Chris Groves², Emilio Padoa-Schioppa¹</p> <p>¹Università Milano Bicocca ²Crawford Hydrology Laboratory</p>
10.30-10.45	Introduction to Symposium 49
11.00-11.15	<p>T0111 Diversity of aquatic cave animals and their conservation status in China</p> <p>Yahui Zhao¹ ¹Institute of Zoology, Chinese Academy of Sciences</p>
11.15-11.30	<p>T0525 Protecting the World's Longest Cave: Should We Think About Caves or Karst Landscapes?</p> <p>Chris Groves¹, Rickard S. Toomey², Rick Olson², Kurt Helf², Barclay Trimble² ¹Crawford Hydrology Laboratory, Department of Geography and Geology, Western Kentucky University ²Mammoth Cave National Park</p>
11.30-11.45	<p>T0695 Vulnerable invertebrates in shallow subterranean habitats of Washington, D.C.</p>

	Jenna Keany ¹ , David Culver ¹ , Mikaila Milton ² ¹ <i>American University Department of Environmental Science</i> ² <i>National Park Service National Capital Parks East</i>
11.45-12.00	T0849 Landscape conservation of karst regions Claudia Canedoli ¹ , Emilio Padoa-Schioppa ¹ ¹ <i>Department of earth and environmental sciences University of Milano-Bicocca</i>

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10.30-12.30	<p>Symposium 40 Challenge and opportunity in the creation of bee landscapes</p> <p>Room: U6-08</p> <p>Session Organisers Sabine van Rooij¹, Eveliene Steingrover¹, Arjen de Groot¹, Lawrence Jones-Walters¹</p> <p>¹<i>Wageningen Environmental Research</i></p>
10.30-10.45	Introduction to Symposium 40
10.45-11.00	T0811 'Bee landscapes' as an effective strategy to counter the decline of pollinating insects; an example in the Netherlands Steingröver Eveliene ¹ , van Rooij Sabine ¹ , Pleijte Marcel ¹ ¹ <i>Wageningen Environmental Research</i>
11.00-11.15	T0083 From potential to practical: Conserving pollinators in urban public greenspace Mary Gardiner ¹ , Katherin Turo ¹ ¹ <i>The Ohio State University</i>
11.15-11.30	T0863 How to use Citizen Science to promote action on wild pollinators Nieke Knoben ¹ ¹ <i>Naturalis Biodiversity Center</i>
11.30-11.45	T0854 Restoring and reconnecting (bumble)bee habitat in an agricultural landscape in the Netherlands G. Arjen de Groot ¹ , David Kleijn ² ¹ <i>Wageningen Environmental Research</i> ² <i>Plant Ecology and Nature Conservation, Wageningen University</i>
11.45-12.00	T_8801 Using floral strips in sunflower-dominated landscapes to promote wild bees and pollination services José A. González ¹ , Violeta Hevia ¹ , Jorge Ortega ¹ , Libertad Chapinal ¹ , Aura Pérez-Morín ¹ ¹ <i>Social-ecological Systems Lab, Universidad Autónoma de Madrid</i>
12.00-12.15	T0429 Effect of landscape structure on pollination service by the native honeybee (Apis cerana) to hyuganatsu (Citrus tamurana) in Aya UNESCO Biosphere Reserve Yasushi Mitsuda ¹ ¹ <i>University of Miyazaki</i>
12.15-12.30	T0808 How to optimise the creation of beescares through a EU wide mapping approach Carlo Rega ¹ , Maria Luisa Paracchini ¹ ¹ <i>European Commission - Joint Research Centre</i>

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10.30-12.30	<p>Symposium 26 Application of novel remote sensing data and techniques to habitat and biological assessments</p> <p>Room: U6-09</p> <p>Session Organisers Bronwyn Price¹, Christian Ginzler¹, Janine Bolliger¹</p> <p>¹<i>Swiss Federal Research Institute WSL</i></p>
10.30-10.45	Introduction to Symposium 26
10.45-11.00	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 Hao-wei Wang ¹ , Chun-yuan Zhao ¹ , Wan-gui Zhou ¹ , Ye-ning Wang ¹ ¹ <i>Institute of Urban Environment, Chinese Academy of Sciences</i>

11.00-11.15	T0690 Retrieving early indicators of high impact of an invasive ecosystem engineer from remote sensing data André Große-Stoltenberg ¹ , Christine Hellmann ² , Jan Thiele ³ , Christiane Werner ² , Jens Oldeland ⁴ ¹ Landscape Ecology and Landscape Planning, Justus-Liebig-Universität Gießen ² Ecosystem Physiology, Albert-Ludwigs-Universität Freiburg ³ Thünen-Institut für Biodiversität ⁴ Biodiversity, Ecology and Evolution of Plants, Biocentre Klein Flottbek and Botanical Garden, Universität Hamburg
11.15-11.30	T0275 Mapping compositional diversity in mediterranean sparse forests using sentinel-2 imagery Semih Demirbas Caglayan ¹ , Uğur Murat Leloğlu ² , Can Bilgin ² , Achilleas Psomas ¹ , Lars Waser ¹ , Christian Ginzler ¹ ¹ Swiss Federal Research Institute WSL ² Middle East Technical University
11.30-11.45	T_8857 Surrogate Method for Biodiversity Assessment and Conservation Prioritization in the Indian Himalayan Region Ramesh Krishnamurthy ¹ , Sujata Uggupta ¹ , Arunkumar Ananthakumar ¹ , Tanvi Gaur ¹ ¹ Wildlife Institute of India
11.45-12.00	T0713 Landscape analysis of light pollution in Korean national parks using VIIRS DNB nighttime images Chan Yong Sung ¹ ¹ Hanbat National University
12.00-12.15	T0878 Tropical reservoirs as hourglasses of dam-related ecosystem changes Fritz Kleinschroth ¹ , Scott Winton ¹ , Elisa Calamita ¹ , Jaboury Ghazoul ¹ ¹ ETH Zurich
12.15-12.20	T0681 Automated mapping and modelling of habitat types at the national extent for Switzerland – a first prototype Bronwyn Price ¹ , Christian Ginzler ¹ ¹ Swiss Federal Research Institute WSL
12.20-12.25	T0087 Harnessing the use of declassified historical satellite images in land use change research – case study from Latvia-Russia border area Zigmars Rendenieks ¹ , Mihai Daniel Nita ² , Volker Christian Radeloff ³ ¹ University of Latvia ² Transilvania University of Brasov ³ University of Wisconsin Madison

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10.30-12.30	<p>Symposium 24 Multiple roles for landscape ecology in future farming systems</p> <p>Room: U6-10</p> <p>Session Organisers Diane Pearson¹, Richard Aspinall², Julian Gorman³ ¹Professor in Environmental Management, School of Agriculture and Environment, Massey University ²Independent scholar and honorary research fellow, James Hutton Institute ³Research Fellow in Natural-resources Based Livelihoods, Research Institute for the Environment and Livelihoods, Charles Darwin University</p>
10.30-10.45	Introduction to Symposium 24
10.45-11.00	T0168 What can landscape ecology contribute towards the challenges facing agriculture and the need for agricultural change in New Zealand? Diane Pearson ¹ ¹ School of Agriculture and Environment, Massey University
11.00-11.15	T0258 Beyond Margalef: Testing the links of landscape structure and energy and information flows driven by farming with biodiversity Joan Marull ¹ ¹ Metropolitan Laboratory of Ecology and Territory of Barcelona. Autonomous University of Barcelona
11.15-11.30	T0295 Using landscape ecology to help take a more holistic approach to agribusiness: The Kakadu Plum industry in northern Australia as a case study. Julian Gorman ¹ , Diane Pearson ² ¹ Charles Darwin University, ² Massey University
11.30-11.45	T0439 Developing a comprehensive knowledge system to support the ecological optimization of agriculture in Switzerland Erich Szerencsits ¹ , Attilio Benini ¹ ¹ Agroscope

11.45-12.00	T0454 Interplay of agroecology models in the study of landscape ecosystem services trade-offs Floriane Colas ¹ , Jeff Norville ¹ , Simon Labarthe ¹ , Vincent Martinet ¹ , Francesco Accatino ¹ ¹ INRA
12.00-12.15	T0583 Accounting for environment in sustainability assessments: measuring and modelling bioeconomic impacts across agricultural landscapes Richard Aspinall ¹ , Michele Staiano ² ¹ Independent scholar, c/o James Hutton Institute ² Statistics Technology and Analysis of Data, Department of Industrial Engineering, University of Naples Federico II
12.15-12.30	T0785 Estimating effect of farming practices on sediments and nutrients loading using SWAT model Petr Krpec ¹ , ¹ University of Ostrava
12.30-12.45	T0842 Sustainable soil management in arable landscapes and invertebrate prey availability to farmland birds Sofia Biffi ¹ , Les Firbank ¹ ¹ University of Leeds

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

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10.30-12.30	Symposium 58 Urbanisation. Concepts, methods and spatially explicit indicators
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	Room: U6- 13 Session Organisers Luis Inostroza ¹ , Steward Pickett ² ¹ Ruhr-University Bochum ² Cary Institute of Ecosystem Studies
10.30-10.45	Introduction to Symposium 58
10.45-11.00	T0435 The advance of the Anthropocene - Monitoring global urbanization processes from space Hannes Taubenböck ¹ , Christian Geiß ¹ , Michael Wurm ^{1,1} <i>Earth Observation Center (EOC), German Aerospace Center (DLR)</i>
11.00-11.15	T0370 The higher, the cooler? Effects of building height on temperatures in residential areas of Beijing Weiqi Zhou ¹ <i>State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</i>
11.15-11.30	T0531 Urban landscape metrics and heat vulnerability Zoe Hamstead ¹ , Elizabeth Cook ^{2,1} <i>University at Buffalo</i> ² <i>The New School</i>
11.30-11.45	T0146 A multi-methods approach to study health outcome effects of urban nature in the context of urban heat Nadja Kabisch ¹ <i>Humboldt-Universität zu Berlin</i>
11.45-12.00	T0028 Asian urbanism and compact-green development: Concepts and framework for a spatially explicit indicator for transit-oriented Asian metropolis Peilei Fan ^{1,1} <i>Michigan State University</i>
12.00-12.15	T0186 Identifying and assessing indicators for quantifying urbanization gradients Marcela Suarez-Rubio ¹ , Renata Krenn ^{1,1} <i>University of Natural Resources and Life Sciences (BOKU)</i>
12.15-12.20	T0673 Mapping and assessing urban geographical systems Tatiana Kharitonova ¹ , Ksenia Merekalova ¹ , Gulnara Shigabaeva ² , Dmitry Marinskikh ^{2,1} <i>Lomonosov Moscow State University</i> ² <i>Tyumen State University</i>
12.20-12.25	T0567 Global patterns and 40-year trends in built-up areas within and around protected areas Bastian Bertzky ¹ , Begoña de la Fuente ¹ , Giacomo Delli ¹ , Andrea Mandrici ¹ , Grégoire Dubois ¹ ¹ <i>European Commission, Joint Research Centre (JRC), Ispra, Italy</i>
12.25-12.30	T_9004 Influence of socio-economic status on biodiversity patterns in an urban landscape Sarel Cilliers ¹ , Marié J. du Toit ¹ , Juaneé Cilliers ^{2,1} <i>School of Biological Sciences, Unit for Environmental Sciences and Management, North-West University</i> ² <i>School of Geo- and Spatial Sciences, Unit for Environmental Sciences and Management, North-West University</i>
12.30-12.35	T0455 Functionality check of the ecological regional network (RERU) with respect to the fragmentation caused by urban pressure and infrastructural barriers in Umbria Region Lorena Fiorini ¹ , Alessandro Marucci ¹ ¹ <i>University of L'Aquila</i>
12.35-12.40	T0425 A multivariate approach for the classification of landscape typologies in a compact city Mahyar Masoudi ^{1,2} , Puay Yok Tan ¹ , Daniel Richards ^{3,1} <i>National University of Singapore</i> ² <i>Campus for Research Excellence and Technological Enterprise, Singapore</i> ³ <i>Natural Capital Singapore, Singapore-ETH Centre (SEC), ETH Zurich</i>

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10.30-12.00	Symposium 16 Data Science in environmental research, planning and evaluation – for a scalable multi-source environmental monitoring network Room: U6-1a Session Organisers Lausch Angela ^{1,1} <i>Department Computational Landscape Ecology, Helmholtz Centre for Environmental Research – UFZ</i>
10.30-10.45	Introduction to Symposium 16
10.45-11.00	T_9012 Data Science in environmental research, planning and evaluation – for a scalable multi-source environmental monitoring network Lausch Angela ^{1,1} <i>Helmholtz Centre for Environmental Research - UFZ</i>

11.00-11.15	T0225 Individual and Interactive Influences of Anthropogenic and Ecological Factors on Forest PM2.5 Concentrations at an Urban Scale <i>Yin Ren¹¹Institute of Urban Environment, Chinese Academy of Sciences</i>
11.15-11.30	T0655 Design and Implementation of an Integrated Platform for Forest Landscape Visualization <i>Chen Wang¹, Alessandro Gimona¹, Yang Jiang²¹The James Hutton Institute, Aberdeen, UK, AB15 8QH ²School of Computing Science and Digital Media, Robert Gordon University, UK, AB10 7QB</i>
11.30-11.45	T0812 Widening the perspective in landscape monitoring by integrating ground-based repeat photographs as a quantitative data source <i>Ulrike Bayr¹, Oskar Puschmann¹¹Norwegian Institute of Bioeconomy Research (NIBIO)</i>
11.45-12.00	T0940 Quantum Landscape: Understanding landscape heterogeneity as a response of the spectral variability observed by remote sensing <i>Marcelo Miranda¹, Cynamon Dobb² ¹Pontificia Universidad Católica de Chile ²Universidad Mayor de Chile</i>

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10.30-12.30	Symposium 05 The ecological role of sound in terrestrial and aquatic landscapes: theories, methods and application of ecoacoustics Room: U6-1b Session Organisers: Almo Farina ¹ , Susan Fuller ² , Sandra Muller ³ , Alice Eldridge, Gianni Pavan ⁴ , David Monacchi; Giusi Boscaino <i>¹Urbino University ²Science & Engineering Faculty, Queensland University of Technology³ Geobotany, Faculty of Biology, University of Freiburg, Freiburg, Germany ⁴Pavia University</i>
10.30-10.35	Introduction to Symposium 05
10.35-10.40	T0104 An ecoacoustics approach to investigating the environmental complexity of landscapes <i>Almo Farina¹, Paolo Salutati² ¹Department of Pure and Applied Sciences, Urbino University ²International Institute of Ecoacoustics</i>
10.40-10.45	T0301 What does an eradication sound like? Monitoring the French Island landscape with acoustic monitoring preceding a feral cat eradication. <i>Elizabeth Znidersic¹, Michael Towsey², Michael Johnston³, Anthony Truskinger², Paul Roe²¹Charles Sturt University ²Queensland University of Technology. Ecoacoustics Group ³Invasive and Insular Research and Management</i>
10.45-11.00	T0286 A changing chorus for peri-urban native forests: an ecoacoustic examination of the effects of urbanisation on biodiversity <i>Susan Fuller¹¹Science & Engineering Faculty, Queensland University of Technology</i>
11.00-11.15	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 <i>Taylor Shaw¹, Sandra Müller¹¹University of Freiburg</i>
11.15-11.30	T0380 Acoustic diversity increases with forest patch size - a test of the theory of island biogeography in agricultural landscapes <i>Sandra Müller¹, Daniel Güntert¹, Luca Thomas¹, Michael Scherer-Lorenzen¹ ¹Geobotany, Faculty of Biology, University of Freiburg, Freiburg, Germany</i>
11.30-11.45	T0458 Acoustic metrics to characterize underwater acoustic diversity in the Southern Ocean <i>Irene T. Roca¹, Ilse Van Opzeeland²¹Helmholtz Institute for Functional Marine Biodiversity at the University of Oldenburg (HIFMB) ²Alfred Wegener Institute for Polar and Marine Research (AWI)</i>
11.45-12.00	T0654 Soundscapes for the assessment of diversity and functionality of marine ecosystems <i>Nadia Pieretti¹, Roberto Danovaro¹¹Polytechnic University of Marche, Department of Life and Environmental Sciences</i>
12.00-12.15	T0656 Listening to biodiversity under extreme weather <i>Mao-Ning Tuanmu¹, Tzu-Hao Lin², Joe Chun-Chia Huang³, Chia-Yun Lee¹</i>

	¹ Biodiversity Research Center, Academia Sinica ² Department of Marine Biodiversity Research, Japan Agency for Marine-Earth Science and Technology ³ School of Environmental Sciences and Natural Resources, Universiti Kebangsaan Malaysia
12.15-12.30	T0702 Loss of a winter wonderland? Soundscapes indexes demonstrate the effects noise pollution on winter populations and communities. John Quinn ¹ , Alexander Schindler ² ¹ Furman University ² Clemson University

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10.30-12.30	Session Landscape Metrics Room: U6-1c
10.30-10.45	T0069 From empirical to theoretical descriptors of landscapes complexity Jakub Nowosad ¹ , Tomasz Stepinski ² ¹ Institute of Geoecology and Geoinformation, Adam Mickiewicz University ² Space Informatics Lab, University of Cincinnati
10.45-11.00	T0726 Scale and scaling in space: Top 10 rules for landscape ecologists Jianguo Wu ¹ ¹ School of Life Sciences & School of Sustainability, Arizona State University
11.00-11.15	T0920 Land cover proportion and heterogeneity can help predict the accuracy of spatial pattern metrics after downscaling Peter Kedron ¹ , Amy Frazier ¹ ¹ Arizona State University
11.15-11.30	T0716 Promoting Landscape Performance Assessment: A Guideline on Performance Baseline Collection Yi Luo ¹ , Kanglin Chen ¹ , Jinxing Wei ² ¹ University of Florida ² Texas Tech University
11.30-11.45	T_4444 Connecting Ecosystem Functions to Landscape Structure at Right Scales: Beyond Correlation Analysis Jiquan Chen ¹ , Geoffrey Henebry ¹ , Raffaele Laforzezza ² , Roy David ¹ , Peilei Fan ¹ , Giovanni Sanesi ² ¹ Michigan State University ² University of Bari
11.45-12.00	T0388 Plot-level variability in phytosociological and structural characterization of tropical herbaceous vegetation in West Africa Thiburce Bokossa ¹ , Amadé Ouedraogo ² , Sylvanus Mensah ¹ , Romain Glèlè Kakaï ¹ ¹ Laboratoire de Biomathématiques et d'Estimations Forestières ² Département de Biologie et Physiologie Végétales, Université de Ouagadougou
12.15-12.30	T0927 How do ecological equivalence metrics incorporate landscape parameters in a biodiversity offset context? Clarice Borges Matos ¹ , Martine Maron ² , Jean Paul Metzger ¹ ¹ University of São Paulo – Ecology Department – Institute of Biosciences ² University of Queensland – Landscape Ecology & Conservation Group and School of Geography, Planning and Environmental Management

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10.30-12.30	Symposium 04 Reconstructing past landscapes to simulate future sustainable scenarios through multidisciplinary approaches Room: U6-1d Session Organisers Rebecca Kariuki ¹ , Colin Courtney-Mustaphi ² , Claudia Capitani ³ ¹ School of Life Sciences and Bio-Engineering, Nelson Mandela African Institution of Science and Technology (NM-AIST), P.O BOX 447, Arusha, Tanzania ² Department of Archaeology and Ancient History, Uppsala University, Sweden ³ York Institute for Tropical Ecosystems, Environment Department, University of York
10.30-10.45	Introduction to Symposium 04

10.45-11.00	T0719 From biocultural to individual rural landscapes: case studies of historical characterisation in the Northern Apennines, Italy Rebekka Dossche ¹ , Pescini Valentina ¹ , Cevasco Roberta ² , Stagno Anna ¹ ¹ University of Genoa ² University of Gastronomic Sciences
11.00-11.15	T0166 Which future for the terraced landscape? From historical analyses to future scenarios simulation for the Ivrea's Morainic Amphitheatre (Piedmont, Italy) Enrico Pomatto ¹ , Paola Gullino ¹ , Adriana Ghersi ² , Marco Devecchi ¹ , Federica Larcher ¹ ¹ Department of Agricultural, Forest and Food Sciences, University of Turin ² Department of Architecture and Design, University of Genoa
11.15-11.30	T0229 Reconstructing rural landscape: an integrated approach to analyse future scenarios and changes. The case study of Mongardino municipality (Italy) Fabrizio Aimar ¹ , Paola Gullino ² , Marco Devecchi ² ¹ Interuniversity Department of Regional and Urban Studies and Planning, Polytechnic University of Turin, 39 Viale Pier Andrea Mattioli, 10125, Turin, Italy ² Department of Agricultural, Forest and Food Sciences, University of Turin, 2 Largo Paolo Braccini, 10095, Grugliasco (TO), Italy
11.30-11.45	T0251 Loss of forest integrity in NW Amazonia: division of a basin Dolors Armenteras ¹ , Tania Marisol Gonzalez Delgado ¹ , Uriel Murcia ² ¹ Universidad Nacional de Colombia ² Instituti Sinchi
11.45-12.00	T_1009 Implementing landscape conservation approach in southern western ghats of India: achievements, issues and opportunities Aditi Bhardwaj ¹ , Anil Kumar Bhardwaj ² , Ruchi Badola ² ¹ Tata Institute of Social Sciences ² Wildlife Institute of India
12.00-12.15	T0088 How to approach reverse transfers of minor landmarks in mining and post-mining landscapes Tomáš Hájek ¹ ¹ member of The Economic and Social Council of Most Region and member of International Association of Landscape Archaeology

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10.30-12.30	Symposium 66 The landscape approach - key to enhance sustainable land use in Europe and North-America as well? Room: U6-1e Session Organisers Bas Pedrolí ¹ , Wenche Dramstad ² ¹ Wageningen University & Research (WUR) ² Norwegian Institute of Bioeconomy Research (NIBIO)
10.30-10.45	Introduction to Symposium 66
10.45-11.00	T0402 Moving from rhetoric to reality: Operationalising the landscape approach in practice Terence Sunderland ¹ , James Reed ² ¹ University of British Columbia & Centre for International Forestry Research ² Centre for International Forestry Research
11.00-11.15	T_8922 Multiple aims - one landscape Wenche E. Dramstad ¹ , Svein Olav Krøgli ¹ , Misganu Debella-Gilo ¹ ¹ Norwegian Institute of Bioeconomy Research (NIBIO)
11.15-11.30	T0589 40 years of environmental activism in the province of Girona, Catalonia – from case advocacy to regional planning, a story of success. Sergi Nuss ¹ , Mita Castañer Vivas ¹ , Joan Vicente Ruffi ¹ , Josep Vila Subirós ¹ , Dani Boix Massafret ² , Laura Llorens Guasch ² ¹ Geography Department - University of Girona ² Environmental Sciences Department - University of Girona
11.30-11.45	T0739 Wrapping it up? How does landscape approach work in marginal areas? Hannes Palang ¹ , Anu Printsman ¹ , Raili Nugin ¹ , Kadri Kasemets ¹ , Tarmo Pikner ¹ , Tauri Tuvikene ¹ ¹ Center for Landscape and Culture, Tallinn University
11.45-12.00	T0403 Engaging multiple stakeholders in landscape approaches that reconcile climate, conservation and development objectives

	James Reed ¹ , Terry Sunderland ² ¹ <i>Center for International Forestry Research</i> ² <i>University of British Columbia</i>
12.00-12.15	T0779 From integrated landscape approach to new European commons - about stakeholders, participatory processes and social learning Theo van der Sluis ¹ , Bas Pedroli ² ¹ <i>Wageningen Environmental Research</i>
12.15-12.30	T0130 Landscape approaches for implementing green infrastructure in local planning practice: a review Martina van Lierop ¹ , Stephan Pauleit ¹ ¹ <i>Technical University of Munich, School of Life Sciences Weihenstephan, Strategic Landscape Planning and Management</i>

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10.30-12.45	Session Urban Planning Room: U6-1f
10.30-10.45	T0452 Evaluating environmental and ecological landscape characteristics relevant to urban resilience across gradients of land-sharing-sparing and urbanity Matthew Dennis ¹ , Philip James ² ¹ <i>University of Manchester</i> ² <i>University of Salford</i>
10.45-11.00	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 Florian Reinwald ¹ , Zita Ring ¹ , Florian Kraus ² , Bernhard Scharf ² , Doris Damyanovic ² ¹ <i>University of Natural Resources and Life Sciences, Vienna</i> ² <i>Green4Cities GmbH</i>
11.00-11.15	T0066 Strong contribution of rapid urbanization and urban agglomeration development to regional thermal environment dynamics and evolution Zhaow Yu ¹ , Yawen Yao ¹ , Henrik Vejre ¹ ¹ <i>University of Copenhagen</i>
11.15-11.30	T0415 Conformance and Performance Implementation Evaluation of Green Space Planning Based on Landscape Ecological Effects in Beijing Metropolitan Area Wei Fu ¹ ¹ <i>Beijing University of Civil Engineering and Architecture</i>
11.30-11.45	T0426 Climate Justicescape: Integrating green infrastructure in Social-Ecological-Technological vulnerability assessment for identifying climate justice patterns in USA Chingwen Cheng ¹ ¹ <i>Arizona State University</i>
11.45-12.00	T0182 Exploring Planning Strategy of Urban Agriculture Based on Informal Sector in China Luoman Zhao ^{1,2} ¹ <i>RWTH Aachen University</i> ² <i>Institute of Landscape Architecture</i>
12.00-12.15	T0311 Efficiency and impacts of land use (governance) in the urban-rural nexus Markus Meyer ¹ , Andrea Früh-Müller ¹ ¹ <i>Research Group on Agricultural and Regional Development Triesdorf</i>
12.15-12.30	T0349 Assessment of the management effectiveness of Dinadiawan River protected landscape in Aurora province, Philippines Diomedes Racelis ¹ , Elenita Racelis ² , Mayo Grace Caoili-Amit ³ ¹ <i>IRNR, College of Forestry and Natural Resources, University of the Philippines Los Banos</i> ² <i>TREES, College of Forestry and Natural Resources, University of the Philippines Los Banos</i> ³ <i>College of Public Affairs and Development, University of the Philippines Los Banos</i>
12.30-12.45	T0304 How landscape heterogeneity influences the ecosystem services provision of urban green spaces? Yujing Xie ¹ ¹ <i>Fudan University</i>

Thursday, 4th July 2019

14.00-14.15	Symposium 69 Satellite and UAV (Drone) systems for assessing and monitoring of ecological landscapes of Africa Room: U6-02 Session Organisers Moses Azong ¹ , Henry Bulley ² , Jane Bemigisha ³ , Yazidhi Bamutaze ⁴ , Aniko Polo-Akpisso ⁵
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	¹ Council for Scientific and Industrial Research ² BMCC, City University of New York ³ ESIPPS International Ltd. ⁴ Makerere University, College of Agricultural and Environmental Sciences ⁵ Laboratory of Botany and Plant Ecology Faculty of Sciences, University of Lomé
14.00-14.15	Introduction to Symposium 69
14.15-14.30	T0620 Modelling land use/cover transitions and vegetation dynamics in the fragile Rwizi catchment, Lake Victoria Basin Yazidhi Bamutaze ¹ , Philip Massa ² , Anthony Egeru ² ¹ Department of Geography, Geo-Informatics and Climatic Sciences ² Makerere University
14.30-14.45	T0794 Multi - season biomass estimation as an indicator of rangeland quantity using MODIS imagery Abel Ramoelo ¹ , Moses Cho ² ¹ South African National Parks
14.45-15.00	T0798 Setting up unmanned aerial system (UAS) or drone services for agriculture in Uganda Jane Bemigisha ¹ , John Begumana ¹ , Eunice Mahoro Duli ¹ , Kennedy Adriko ¹ , Janice Nakamya ¹ , Dorothy Nanyonjo ¹ ¹ ESIPPS International Ltd
15.00-15.15	T0956 Digital Image Classification with Machine Learning: Application to Unmanned Aerial Vehicles (UAVs) Abdelaziz Lawani ¹ , Alain Abi-Kaberou ² ¹ Eastern Kentucky University, Department of Agriculture ² Global Partners
15.15-15.20	P0036 Application of NDVI and aerial imaging for land use classification and plant disease diagnosis Yen-Cheng Chiang ¹ ¹ Department of Landscape Architecture, National Chiayi University
15.20-15.25	T0196 Geospatial analysis of vegetative drought impacts on southern African biomes (1998-2017) Farai Maxwell Marumbwa ¹ , Moses Azong Cho ² , Paxie Chirwa ³ ¹ University of Zimbabwe, Department of Geography and Environmental Science, ² Natural Resources and Environment Unit, The Council for Scientific and Industrial Research (CSIR), ³ Forest Science Postgraduate Programme, Department of Plant and Soil Sciences, University of Pretoria, Pretoria
15.25-15.30	T0587 Characterising Spatial and Temporal Heterogeneity of Vulnerable Miombo Woodlands of the Copperbelt Province of Zambia using Remote Sensing and Landscape Metrics Mwelwa Mwape Malunga ¹ , Moses Cho ² , Paxie Chirwa ³ , Adedayo Yerokun ⁴ ¹ University of Pretoria ² Natural Resources and Environment Unit. The Council for Scientific and Industrial Research (CSIR) ³ Postgraduate Forest Programme, University of Pretoria ⁴ Zambia Open University

Thursday, 4th July 2019

14.00-14.15	Symposium 42 - Mapping and monitoring farmland biodiversity and ecosystem services Room: U6-03 Symposium organizers: Flurina Wartmann ¹ , Felix Kienast ¹ , Marcel Hunziker ¹ ¹ Federal Research Institute for Forest, Snow and Landscape (WSL)
14.00-14.15	T0781 Identification of landscape character for urban waterfront landscape based on HLC and LCA : A case of urban waterfront area, Wuhan Tongxi Gao ¹ , Chi Gao ¹ Huazhong Agricultural University
14.15-14.30	T0358 Extracting perceived landscape properties from texts for Landscape Character Assessment Olga Koblet ¹ , Ross S. Purves ¹ ¹ University of Zurich
14.30-14.45	T0352 Exploring sensitivity of perceived elements in landscape to change through user-generated content Ross Purves ¹ , Manuel Bär ¹ ¹ Department of Geography, University of Zurich
14.45-15.00	T0285 Physical and social aspects of forest preference and recreation – approaches to a comprehensive monitoring Marcel Hunziker ¹ , Christoph Fischer ¹ , Tessa Hegetschweiler ¹ ¹ Swiss Federal Inst. for Forest, Snowe

	<i>and Landscape Research, WSL</i>
15.00-15.15	T0930 The landscape services of urban spontaneous forests in Padova (north-eastern Italy) Vito Emanuele Cambria ¹ , Thomas Campagnaro ¹ , Marco Perfetti ¹ , Simone Iacopino ¹ , Tommaso Sitzia ¹ ¹ <i>Department Land, Environment, Agriculture and Forestry - University of Padua</i>
15.15-15.30	T0109 Landscape Ecology Time Analysis of Wetland in Pesnica Valley, Northeastern Slovenia Iztok Erjavec ¹ ¹ <i>NGO</i>

Thursday, 4th July 2019

14.00-14.15	Symposium 72 Theoretical and practical challenges for planning landscape restoration Room: Aula Martini (U6-4) Session Organisers Cristian Echeverria ¹ ¹ <i>Universidad de Concepción</i>
14.00-14.15	Introduction to Symposium 72
14.15-14.30	T0252 Understanding ecological restoration effectiveness in southwestern China Sijing Qiu ¹ , Jian Peng ¹ ¹ <i>College of Urban and Environmental Sciences, Peking University</i>
14.30-14.45	T0640 Restoring riparian forests according to existing regulations could greatly improve habitat connectivity for forest fauna in Chile Isabel M Rojas ¹ , Anna M Pidegon ¹ , Volker C Radeloff ¹ ¹ <i>SILVIS Lab, Department of Forest and Wildlife Ecology, University of Wisconsin-Madison, USA</i>
14.45-15.00	T0772 Theoretical approaches and practical challenges for landscape restoration planning from the landscape sustainability science. Cristian Echeverria ¹ , Rodrigo Fuentes ¹ , Francisco De la Barrera ¹ , Mauricio Aguayo ¹ ¹ <i>Universidad de Concepcion</i>
15.00-15.15	T0865 Guidelines for defining the decision space for landscape-scale ecosystem restoration Cara R. Nelson ^{1,2} ¹ <i>Department of Ecosystem and Conservation Sciences, University of Montana</i> ² <i>UCN Commission on Ecosystem Management, Ecosystem Restoration Thematic Group</i>

Thursday, 4th July 2019

14.00-14.15	Symposium 18 Temporal dynamics in landscape science: New applications and opportunities in social-ecological systems Room: U6-05 Session Organisers Alexander Killion ¹ , Mario Torralba ² , Patrick Behrer ³ , Jessica Gilbert ⁴ , Adam Dixon ⁵ ¹ <i>The National Socio-Environmental Synthesis Center</i> ² <i>University of Kassel</i> ³ <i>Harvard University</i> ⁴ <i>Texas A&M University</i> ⁵ <i>University of Maryland Baltimore County</i>
14.00-14.15	T0828 Pines stand still, vines move: Century-scale dynamics of a mountainous mediterranean landscape Vassilis Detsis ¹ , Antonis Hadjikyriacou ² , Vagelis Papadias ³ , Christos Chalkias ³ ¹ <i>Harokopio University, Department of Home Economics & Ecology</i> ² <i>Boğaziçi University, History Department</i> ³ <i>Harokopio University, Geography Department</i>
14.15-14.30	T0091 Transformation of land use in an agricultural landscape on landscape structure and soil based ecosystem services over the last 250 years Mike Baude ¹ , Burghard C. Meyer ¹ ¹ <i>Department of Physical Geography and Geoecology, Institute of Geography University of Leipzig</i>
14.30-14.45	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.

	Andreia Pereira ¹ , Lúcio Cunha ¹ ¹ <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	T0241 Change in aesthetic value of landscapes over the last 150 years Uta Schirpke ¹ , Andreas Altzinger ¹ , Georg Leitinger ² , Erich Tasser ¹ ¹ <i>Institute for Alpine Environment, Eurac Research</i> ² <i>Department of Ecology, University of Innsbruck</i>
15.00-15.15	T0547 Conceptual approach for analyzing the landscape dynamics in agricultural areas Iliia Tamburadzhiev ¹ , Kamen Nam ¹ ¹ <i>Sofia university "St. Kliment Ohridski", Faculty of Geology and Geography, Department of Landscape sciences and Environmental Protection</i>
15.15-15.30	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 Olga Trapeznikova ¹ , Alexey Frovov ² ¹ <i>Sergeev Institute of Environmental Geoscience</i> ² <i>The Institute of World History of RAS</i>

Thursday, 4th July 2019

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

Thursday, 4th July 2019

14.00-14.15	Symposium 03 Integrating food systems into landscape research Room: U6-07
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	Session Organisers Maria Garcia-Martin ¹ , Tobias Plieninger ¹ , Mario Torralba ¹ <i>¹Universities of Göttingen and Kassel</i>
14.00-14.15	Introduction to Symposium 03
14.15-14.30	T0236 Towards a framework to connect food value chains to landscape sustainability. An example from the Mediterranean. María García-Martín ¹ , Tobias Plieninger ¹ , Mario Torralba ² , Cristina Quintas-Soriano ^{2,1} <i>Georg-August-Universität Göttingen ²University of Kassel</i>
14.30-14.45	T0473 Farmer perspectives on the value of ecosystem services in reservoir landscapes Sarah Jones ^{1,2} , Mansour Boundaogo ³ , Fabrice DeClerck ¹ , Natalia Estrada-Carmona ¹ , Naho Mirumachi ² , Mark Mulligan ^{2,1} <i>Bioversity International ²King's College London ³SNV World</i>
14.45-15.00	T0787 Potential contributions of food systems to sustainable landscape development Iris Bohnet ¹ , Kristina Janeckova ¹ , Ruth Beilin ² , Petr Sklenicka ^{1,1} <i>Czech University of Life Sciences Prague ²University of Melbourne</i>
15.00-15.15	T0059 Fostering biocultural diversity in landscapes through place-based food networks: a “solution scan” of European and Japanese models Tobias Plieninger ¹ <i>University of Göttingen & University of Kassel</i>
15.15-15.20	T0840 Effects of land systems dynamics on local food systems: insights from seven Mediterranean local case-studies Esther Sanz Sanz ¹ <i>¹INRA UR Ecodéveloppement</i>

Thursday, 4th July 2019

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

Thursday, 4th July 2019

14.00-14.15	<p align="center">Symposium 60 Implementing the Green Infrastructure Approach in Central Europe and beyond</p> <p align="center">Room: U6-09</p> <p align="center">Session Organisers Marco Neubert¹, Thomas Wrבka², Hana Skokanova³, Henriette John¹</p> <p align="center">¹<i>Leibniz Institute of Ecological Urban and Regional Development</i></p> <p align="center">²<i>University Vienna – Division for Conservation Biology, Vegetation and Landscape Ecology</i></p> <p align="center">³<i>Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Department of Landscape Ecology</i></p>
14.00-14.15	Introduction to Symposium 60
14.15-14.30	<p>T0789 The knowledge about the term Green Infrastructure in the public and general needs for a Green Infrastructure assessment</p> <p>Henriette John¹, Marco Neubert¹ ¹<i>Leibniz Institute of Ecological Urban and Regional Development</i></p>
14.30-14.45	<p>T_0998 Methodological geospatial guidance to support strategic deployment of Green Infrastructure</p> <p>Christine Estreguil¹, Gorm Dige², Stefan Kleeschulte³, Hugo Carrao³, Julie Raynal⁴, Anne Teller⁴ ¹<i>European Commission, Joint Research Centre (JRC)</i> ²<i>European Environment Agency</i> ³<i>European Topic Center on Urban, Land and Soil systems, Space4environment</i> ⁴<i>European Commission, DG-Environment</i></p>
14.45-15.00	<p>T0788 Transnational Mapping of Green Infrastructure in Central Europe</p> <p>Neubert Marco¹, John Henriette¹ ¹<i>Leibniz Institute of Ecological Urban and Regional Development</i></p>
15.00-15.15	<p>T_1014 A Federal Green Infrastructure Concept for Germany</p> <p>Mayer Florian¹ ¹<i>Bundesamt für Naturschutz (Federal Agency for Nature Conservation)</i></p>
15.15-15.20	<p>T0184 Territorial system of ecological stability as a regional example for Green Infrastructure planning in the Czech Republic</p> <p>Hana Skokanova¹, Tomáš Slach¹ ¹<i>Silva Tarouca Research Institute</i></p>

Thursday, 4th July 2019

14.00-14.15	<p align="center">Symposium 64 Deciphering environmental gradients in landscapes for a better understanding of biodiversity dynamics</p> <p align="center">Room: U6-10</p> <p align="center">Session Organisers Jacques Baudry¹, Angela Lausch², Paola Mairota³</p> <p align="center">¹<i>National Institute for Agonomic Research (INRA)</i> ²<i>Helmholtz Centre for Environmental Research - UFZ UFZ</i> ³<i>University of Bari "Aldo Moro"</i></p>
14.00-14.15	Introduction to Symposium 64
14.15-14.30	<p>T0707 Satellite remote sensing of ecosystem functions for the assessment of ecosystems conservation status</p> <p>Paola Mairota¹, Domingo Alcaraz-Segura², Sofia Lino-Vaz³, Francisco Javier Cabello-Pinar⁴</p> <p>¹<i>University of Bari "Aldo Moro"</i> ²<i>University of Granada</i> ³<i>University of Porto and University of Granada</i> ⁴<i>University of Almeria</i></p>
14.30-14.45	<p>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</p> <p>Mercier Audrey¹, Laurence Hubert-Moy¹, Julie Betbeder², Joan Van-Baaren³, Vincent Leroux⁴, Jacques Baudry⁵ ¹<i>LETG Rennes UMR 6554 LETG; Université Rennes 2</i> ²<i>CIRAD, Forest ecosystems goods and services</i> ³<i>UMR 6553 ECOBIO, Université de Rennes 1</i> ⁴<i>Unité Ecologie et Dynamiques des Systèmes Anthropisés;</i> ⁵<i>INRA, UMR BAGAP</i></p>
14.45-15.00	<p>T0889 Two statistical approaches to infer multiscale effects of Landscape : Modelling effects of landscape variables using buffers or spatial influence functions</p> <p>Florence Carpentier¹, Martin Olivier¹ ¹<i>INRA</i></p>

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

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

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14.00-14.15	Symposium 01 Disappearing snow and altered ecosystems: Observations, experiments, and outcomes Room: U6-1a Session Organisers Brian Buma ¹ ¹ University of Colorado
14.00-14.15	Introduction to Symposium 01
14.15-14.30	T0050 Warmer winters and a disappearing subnivium

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

Thursday, 4th July 2019

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

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14.00-14.15	Symposium 31 Biocultural Seascapes of the Anthropocene Room: U6-1c Session Organisers Gloria Pungetti ¹ , Sun-Kee Hong ² ¹ <i>University of Sassari and University of Cambridge</i> ² <i>Mokpo National University</i>
14.00-14.15	Introduction to Symposium 31
14.15-14.30	T0902 Anthropogenic seascapes Gloria Pungetti ¹ ¹ <i>Universities of Sassari and Cambridge</i>
14.30-14.45	T0296 Island Biocultural Diversity - past, present and future Sun-Kee Hong ¹ ¹ <i>Mokpo National University</i>
14.45-15.00	T0183 Marine and coastal cultural ecosystem services: Current status and future prospect in Japan

	Misako Matsuba ¹ <i>Japan Agency for Marine-Earth Science and Technology</i>
15.00-15.15	T0506 Sustainable biocultural diversity in Southwestern seascape of the Republic of Korea Jae-Eun Kim ¹ <i>Institution for Marine and Island Cultures, Mokpo National University</i>

Thursday, 4th July 2019

14.00-14.15	Symposium 52 Urban Sprawl: From Measurement to Management Room: U6-1d Session Organisers Jochen A. G. Jaeger ¹ <i>¹Concordia University Montreal, Dept. of Geography, Planning and Environment</i>
14.00-14.15	Introduction to Symposium 52
14.15-14.30	T_0967 Urban sprawl on the rise: Global trends 1990–2014 Behnisch Martin ¹ , Krueger Tobias ¹ , Jaeger Jochen A. G. ² <i>¹Leibniz Institute of Ecological Urban and Regional Development (IOER)</i> <i>²Concordia University Montreal, Dept. of Geography, Planning and Environment</i>
14.30-14.45	T0135 Leading the way toward respecting limitations on a finite planet: Proposing quantitative targets and limits to urban sprawl Jochen Jaeger ¹ , Christian Schwick ² <i>¹Concordia University Montreal, Dept. of Geography, Planning and Environment</i> <i>²Die Geographen Schwick und Spichtig</i>
14.45-15.00	T0203 Mapping urban area in China using Landsat and nighttime light on Google earth engine Platform: A multi-scale comparative perspective Yina Hu ¹ , Jian Peng ¹ <i>¹Peking University</i>
15.00-15.15	T0368 The TOD Suitability Index: A Planning Framework for Transit-Oriented Developments (TOD) Angelo Paulo Mogul ¹ <i>¹Land & Man Integrated Design</i>
15.15-15.20	T0434 Urban Sprawl Metrics help to identify ecological impacts: Implementation and Application of New Neighbourhood Metrics to assess Habitat Network Structure and Connectivity Hans-Georg Schwarz-v.Raumer ¹ <i>¹University of Stuttgart, Institute of Landscape Planning and Ecology</i>

Thursday, 4th July 2019

14.00-14.15	Symposium 51 Modeling the structure and functioning of forest landscapes under changing climate and disturbance regimes Room: U6-1f Session Organisers: Giorgio Vacchiano ¹ , Heike Lischke ² , Paola Mairota ³ , Rupert Seidl ⁴ <i>¹Università di Milano</i> <i>²Swiss Federal Institute WSL</i> <i>³Università di Bari</i> <i>⁴University of Natural Resources and Life Sciences (BOKU)</i>
14.00-14.15	Introduction to Symposium 51
14.15-14.30	P0053 Effective allocation design of riparian buffer strips in plantation forest landscapes for controlling sediment discharge from logged forests in southern Japan Satoshi Ito ¹ , Takuro Mizokuchi ¹ , Kiwamu Yamagishi ¹ , Yasushi Mitsuda ¹ , Ryoko Hirata <i>¹University of Miyazaki</i>
14.30-14.45	T_8897 Retrospective prediction of forest damage caused by storm 'Vaia': a comparison of three approaches to estimating the distribution of wind damage

	Tom Locatelli ¹ , Duncan Heathfield ² , Giorgio Vacchiano ³ , Barry Gardiner ⁴ , Donato Morresi ⁵ , Matteo Garbarino ⁵ ¹ <i>Forest Research</i> ² <i>World In A Box</i> ³ <i>Università degli Studi di Milano, DISAA</i> ⁴ <i>EFI Planted Forests Facility</i> ⁵ <i>Università degli Studi di Torino, DISAFA</i>
14.45-15.00	T0120 From mycelia to mammoths - simulating biotic disturbance agents in a changing world Juha Honkaniemi ¹ , Werner Rammer ¹ , Rupert Seidl ¹ ¹ <i>University of Natural Resources and Life Sciences, Institute of Silviculture, Vienna, Austria</i>
15.00-15.15	T0437 The scaling of resilience: projecting regeneration failure under future climate and fire regimes for Greater Yellowstone Werner Rammer ¹ , Zak Ratajczak ² , Leroy Westerling ³ , Monica G. Turner ² , Rupert Seidl ¹ ¹ <i>Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna</i> ² <i>Department of Integrative Biology, University of Wisconsin</i> ³ <i>Sierra Nevada Research Institute, University of California</i>

Thursday, 4th July 2019	
14.00-15.30	<p>Symposium 63 How is landscape ecology shaped by research policies? Room: U6-18 (to be confirmed)</p> <p>Symposium organizers: Werner Rolf¹, Isabel Loupa-Ramos², Jonathan Porter³, Veerle Van Eetvelde⁴, Wenche Dramstad⁵</p> <p>¹Technical University of Munich, ²Technical University of Lisbon, ³Countryside, ⁴University of Ghent, ⁵ Norwegian Institute of Bioeconomy research - NIBIO</p>
14.00-14.15	<p>Key lecture: Policy to research – how do you think policy is designing research? Christos Fragakis</p>
14.15-14.30	<p>Key lecture: Research to policy – how do you think research is driven by policy issues? Teresa Pinto Correia</p>
14.30-15.30	Question and Discussion
15.30-15.45	<p>Reflection Grazia Zulian (JRC, colleague of Joachim Maes) Rob Sheller/Audrey Mayer (IALE international policy working group) Sima Fakheran</p>
15.45-16.00	Summing up

Thursday, 4th July 2019	
16.00-16.15	<p>Symposium 42 Landscape monitoring: best practices and new developments for an integrated assessment of landscape change Room: U6-03</p> <p>Symposium organizers: Flurina Wartmann¹, Felix Kienast¹, Marcel Hunziker¹ ¹<i>Federal Research Institute for Forest, Snow and Landscape (WSL)</i></p>
16.00-16.15	<p>T0703 Drivers of change in a coastal landscape: Case of The Yali wetlands, Central Chile. Vannia Ruiz¹, Francisco De la Barrera², Carolina Martínez¹¹<i>Pontificia Universidad Católica de Chile</i>²<i>Universidad de Concepción</i></p>

Thursday, 4th July 2019	
16.00-16.30	Symposium 18 Temporal dynamics in landscape science:

	<p align="center">New applications and opportunities in social-ecological systems</p> <p align="center">Room: U6-05</p> <p>Symposium organizers: Alexander Killion¹, Mario Torralba², Patrick Behrer³, Jessica Gilbert⁴, Adam Dixon⁵</p> <p align="center">¹The National Socio-Environmental Synthesis Center ²University of Kassel ³Harvard University ⁴Texas A&M University ⁵University of Maryland Baltimore County</p>
16.00-16.15	<p>T0164 Combining paleoecological knowledge and trait-based ecology for the sustainable management of agroecosystems</p> <p>Annegreet Veeken¹, Suzanne McGowan¹, Franziska Schrodt¹, Maria João Ferreira Dos Santos²¹University of Nottingham ²University of Zurich</p>
16.15-16.30	<p>T0250 Designign Soil in the Antropocene era - Territorial upgrade through the reinterpretation of "soil consumption" in the framework of landscape resilience</p> <p>Vittoria Mencarini¹, Luca Emanuelli², Gianni Lobosco²¹Università degli studi di Ferrara, ²Università degli studi di Ferrara - Departement of Architecture - Sealine departmental research center</p>

Thursday, 4th July 2019

16.00-16.15	<p align="center">Symposium 03 Integrating food systems into landscape research</p> <p align="center">Room: U6-07</p> <p>Symposium organizers: Maria Garcia-Martin¹, Tobias Plieninger¹, Mario Torralba¹</p> <p align="center">¹Universities of Göttingen and Kassel</p>
16.00-16.15	<p>T0607 Local and landscape drivers of biodiversity and ecosystem service trade-offs in urban agricultural landscapes</p> <p>Monika Egerer¹, Shalene Jha², Stacy Philpott¹¹University of California, Santa Cruz ²University of Texas at Austin</p>
16.15-16.30	<p>T0456 Edible landscapes. Agricultural production and its qualitative representation in food.</p> <p>Virna Mastrangelo¹, Alessandro Camiz²¹Greenatelier studio ²Özeğin University</p>
16.30-16.45	<p>T0451 Exploring tradeoffs and synergies between food production and carbon sequestration in a grassland-dominated landscape based on extensive beef-cattle systems.</p> <p>Francesco Accatino¹, Alberto Tonda², Muriel Tichit¹¹UMR SADAPT, INRA, AgroParisTech, Université Paris-Saclay ²UMR GMPA, INRA, Université Paris-Saclay</p>

Thursday, 4th July 2019

16.00-16.15	<p align="center">Symposium 12 Landscape resilience and ecological governance in Anthropocene</p> <p align="center">Room: U6-08</p> <p>Symposium organizer: Yangfan Li¹, Yi Li¹</p> <p align="center">¹Xiamen University</p>
16.00-16.15	<p>T0293 Connectivity conservation between coastal protected areas under anthropogenic disturbances and climate change</p> <p>Yi Li¹, Bingchao Yin¹, Qihao Jin¹, Yangfan Li¹¹Xiamen University</p>
16.15-16.30	<p>T_0981 The dynamics of carbon flows in coastal landscape under rapid urbanization: integrated land-sea and resilience perspective</p> <p>Fan Bingxiong¹, Li Yangfan¹¹Xiamen University</p>
16.30-16.45	<p>Discussion of Symposium 12</p>

Thursday, 4th July 2019

16.00-16.15	<p>Symposium 60 Implementing the Green Infrastructure Approach in Central Europe and beyond</p> <p>Symposium organizers: Marco Neubert¹, Thomas Wrbka², Hana Skokanova³, Henriette John¹</p> <p>¹<i>Leibniz Institute of Ecological Urban and Regional Development</i> ²<i>University Vienna – Division for Conservation Biology, Vegetation and Landscape Ecology</i> ³<i>Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Department of Landscape Ecology</i></p>
16.00-16.15	<p>T0582 Green Infrastructure at regional and local scale – Assessing connectivity and functionality through stakeholder involvement</p> <p>Florian Danzinger¹, Thomas Wrbka¹<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>T0404 Strategic Alpine Connectivity Areas (SACA): a tool for targeting nature conservation interventions in the European Alps</p> <p>Yann Kohler¹, Guillaume Costes², Rachel Luethi³<i>Alpine Network of Protected Areas ALPARC</i>²<i>Conservatoire d'espaces naturels Haute Savoie ASTERS</i> ³<i>Swiss National Park</i></p>
16.30-16.45	<p>T0125 Assessing landscape services as foundation for Green Infrastructure functionality: the case of the Biosphere Reserve Wienerwald.</p> <p>Mita Drius¹, Katharina Theresa Sams², Friedrich Knopper², Christiane Brandenburg², Thomas Wrbka¹ ¹<i>Division of Conservation Biology, Vegetation Ecology and Landscape Ecology, Dept of Botany & Biodiversity Research, University of Vienna</i> ²<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>
	<p>T0710 Ecological networking assessment to evaluate ecosystem services and improve green infrastructure</p> <p>Maria Rita Minciardi¹, Chiara Richiardi¹, Stefania Poma², Simonetta Alberico³, Simone Ciadamidaro¹, Gian Luigi Rossi¹ ¹<i>ENEA</i>²<i>Parco del Po vercellese alessandrino</i> ³<i>Città Metropolitana di Torino</i></p>
	<p>T0895 Applying socio-ecological lens to blue-green solutions in the city under the multiple social-ecological transitions. The case study of Lodz (Poland).</p> <p>Kinga Krauze¹<i>European Regional Centre for Ecohydrology PAS</i></p>
	<p>T0672 Planning Green Infrastructure: strategies and action plans.</p> <p>Gian Luigi Rossi¹, Simone Ciadamidaro¹, Maria Rita Minciardi¹, Simonetta Alberico², Stefania Grasso³, Paola Vayr² ¹<i>ENEA - Laboratorio Biodiversità e Servizi ecosistemici</i> ²<i>Città Metropolitana di Torino - Dipartimento Ambiente e Vigilanza Ambientale</i> ³<i>Città Metropolitana di Torino - Dipartimento Territorio, Viabilità ed Edilizia</i></p>

Thursday, 4th July 2019

16.00-16.15	<p>Symposium 64 Deciphering environmental gradients in landscapes for a better understanding of biodiversity dynamics</p> <p>Room: U6-10</p> <p>Symposium organizers: Jacques Baudry¹, Angela Lausch², Paola Mairota³</p> <p>¹<i>National Institute for Agonomic Research (INRA)</i> ²<i>Helmholtz Centre for Environmental Research - UFZ UFZ</i> ³<i>University of Bari "Aldo Moro"</i></p>
16.00-16.15	<p>T0888 Spatial and temporal stationarity of inter-component relationships in boreal forest landscapes of Russia</p> <p>Ksenia Merkalova¹, Alexander Khoroshev¹ ¹<i>Lomonosov Moscow state university</i></p>

16.15-16.30	T_8874 Remote sensing of forest mast seeding Giorgio Vacchiano ¹ , Paola Mairota ² ¹ University of Milano, DISAA ² University of Bari "Aldo Moro", DISAAT
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Thursday, 4th July 2019

16.00-16.15	Symposium 01 Disappearing snow and altered ecosystems: Observations, experiments, and outcomes Room: U6-1a Brian Buma ¹ ¹ University of Colorado
16.00-16.15	T0910 Warming winters can alter the tree species composition in northern boreal forests Pasi Rautio ¹ , Francoise Martz ¹ , Timo Domisch ¹ , Tapani Repo ^{1,2} ¹ Natural Resources Institute Finland
16.15-16.30	T0007 Widespread snow loss driving mass mortality of a forest – but might it be temporary? Brian Buma ¹ , Allison Bidlack ² , Richard (Jr) Lader ^{3,1} ¹ University of Colorado, Denver ² Alaska Coastal Rainforest Center, University of Alaska Southeast ³ International Arctic Research Center and Alaska Climate Adaptation Science Center, University of Alaska Fairbanks
16.30-16.35	T0735 Snow Cover Distribution in a small basin in South Western Siberia: Field Observations and Isotopic Composition Dmitry Pershin ¹ , Dmitry Chernykh ¹ , Natalia Malygina ¹ , Roman Biryukov ¹ , Dmitry Zolotov ¹ , Alla Eirikh ^{1,2} ¹ Institute for Water and Environmental Problems, Siberian Branch, Russian Academy of Sciences, Barnaul
16.35-16.40	T0542 Landscapes of fear in novel winters: woody debris addition increases small-mammal winter seed predation in habitats with snow removed Peter Guiden ¹ , John Orrock ^{1,2} ¹ University of Wisconsin-Madison
16.40-16.45	T0273 Climate change and mountain life: the risk comes from permafrost (?) Luisa Pedrazzini ¹ ¹ Regione Lombardia DG Territorio e protezione civile

Thursday, 4th July 2019

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

Thursday, 4th July 2019

16.00-16.15	<p>Symposium 52 Urban Sprawl: From Measurement to Management</p> <p>Room: U6-1d</p> <p>Symposium organizers: Jochen A. G. Jaeger¹</p> <p>¹<i>Concordia University Montreal, Dept. of Geography, Planning and Environment</i></p>
16.00-16.15	<p>T0797 Using edge density metrics to assess landscape fragmentation along Quezon City's Mariblo creek system</p> <p>Michael Abuan¹, Nappy Navarra¹ ¹<i>University of the Philippines</i></p>
16.15-16.30	<p>T0825 Characterizing and understanding the transformation of urban morphology: a case study of Austin metropolitan area, Texas, U.S.</p> <p>Chunhong Zhao¹, Anna M. Hersperger¹ ¹<i>Swiss Federal Research Institute WSL, Land-change-science Research Unit</i></p>
16.30-16.45	<p>T0928 Measuring the total impact of soil consumption</p> <p>Maddalena Gioia Gibelli¹, Viola Dosi¹, Roberto La Greca¹, Riccardo Santolini² ¹<i>Studio architetto Gibelli</i>²<i>Università degli Studi di Urbino, Campus Scientifico E. Mattei, Urbino (PU), Italy</i></p>

Thursday, 4th July 2019

16.00-16.15	<p>Symposium 36 The importance of coppice forests for landscape diversity and the factors influencing the proportion and distribution of young growth stages.</p> <p>Room: U6-1e</p> <p>Debbie Bartlett¹, Valeriu-Norocel Nicolescu²</p> <p>¹<i>University of Greenwich</i></p> <p>²<i>University of Braşov</i></p>
16.00-16.15	Introduction Symposium 36
16.15-16.30	<p>T0129 Coppice woodlands in South East England: the socio-economic and non-market factors influencing structural diversity in the wooded landscape</p> <p>Debbie Bartlett¹ ¹<i>University of Greenwich</i></p>
16.30-16.45	<p>T0818 Shaping future forestry for sustainable coppices in southern Europe: the contribution of LIFE FutureForCoppiceS project</p> <p>Andrea Cutini¹, Elena Gottardini², Simonetta Bagella³, Roberto Fratini⁴, Giuliano Patteri⁵, Bruno Ciucchi⁶ ¹<i>CREA Council for Agricultural Research and Economics - Research Centre for Forestry and Wood</i>²<i>Edmund Mach Foundation</i>³<i>University of Sassari</i> ⁴<i>University of Florence</i>⁵<i>Agenzia Forestas</i>⁶<i>Terre regionali toscane</i></p>
16.45-17.00	<p>T0364 The social-ecological system of coppiced forest in the Italian Central Apennine</p> <p>Marco Cervellini¹, Giandiego Campetella¹, Stefano Chelli¹, Enrico Simonetti¹, Roberto Canullo¹</p> <p>¹<i>University of Camerino - School of Biosciences and Veterinary Medicine, Plant Diversity and Ecosystems Management Unit</i></p>
17.00-17.15	<p>T0138 Interspecific variation in growth responses to tree size, competition and climate of western Canadian boreal mixed forests</p> <p>Xinyu Jiang¹ ¹<i>Guangdong Institute of Eco-environmental Science & Technology, Guangzhou, 510650, China</i></p>

Thursday, 4th July 2019

16.00-16.15	<p>Symposium 51 Modeling the structure and functioning of forest landscapes under changing climate and disturbance regimes</p>
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	<p style="text-align: center;">Room: U6-1f</p> <p style="text-align: center;">Symposium organizers: Giorgio Vacchiano¹, Heike Lischke², Paola Mairota³, Rupert Seidl⁴ ¹<i>Università di Milano</i> ²<i>Swiss Federal Institute WSL</i> ³<i>Università di Bari</i> ⁴<i>University of Natural Resources and Life Sciences (BOKU)</i></p>
16.00-16.15	<p>T0671 Seed dispersal, climate change and disturbance scenario strongly and differently affect predictions of forest landscape models</p> <p>Heike Lischke¹, Petter Gunnar², Paola Mairota³, Giorgio Vacchiano⁴, Josef Bruna⁵<i>Dynamic Macroecology, WSL</i>²<i>Mountain Forest Ecology,, ETH Zürich</i>³<i>Di.S.A.A.T. , University of Bari</i>⁴<i>Forest Management And Maintenance, University of Milano</i>⁵<i>Inst. of Botany, Academy of Sciences</i></p>
16.15-16.30	<p>T_9017 Future forest dynamics under climate change, land use change, and harvest in subtropical forests in Southern China</p> <p>Zhuo Wu</p>

FRIDAY, 5th July 2019

PLENARY TALK

08.30-10.00

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 July 2019

10.30-12.30

Symposium 20 - Challenges of Arid and Semi-Arid Landscapes in the Anthropocene: Searching for New approaches for Adaptation, Conservation, Planning and Management

Room: Aula Magna

Session Organisers: Sima Fakheran, Vice President of IALE-International, President of IALE-Iran; Wenjiang Liu, ²Executive Deputy Director of Research Center for Ecology and Environment of Central Asia (RCEECA), the Chinese Academy of Sciences (CAS); Xi Chen, ³Vice 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

10.30-10.45

Introduction to Symposium 20

10.45-11.00

T0051 Effects of Land preparation and Reforestation on Eco-hydrological Services in the Loess Plateau of China

Wei Wei¹State Key Lab of Urban and Regional Ecology, Research Center for Ecoenvironmental Sciences, Chinese Academy of Sciences

11.00-11.15

T0097 Desertification classification framework and its application within the Northern Kulunda Steppe in Western Siberia

Schreiner Vera¹, Meyer Burghard^{2,1}Institut für Geowissenschaften und Geographie, Martin-Luther-Universität Halle-Wittenberg, ²Department of Physical Geography and Geoecology, Institute of Geography University of Leipzig

11.15-11.30

T0152 Impacts of landscape changes on regional climate: The case of vegetation restoration in the Loess Plateau of China

Qian Cao¹, Jianguo Wu², Deyong Yu¹, Wei Wang^{3,1}Beijing Normal University ²Arizona State University ³National Center for Atmospheric Research

11.30-11.45

T0367 Synergies between Ecological Restoration and Energy Production- A Case of Bioenergy and Climate Change Mitigation Potential of Arid Wastelands in Northern Nigeria

Oludunsin Arodudu¹Maynooth University

11.45-12.00

T0394 Quantifying desertification trend using the hexagonal network, gradient analysis and landscape metrics in Chaharmahal Va Bakhtiari province, Iran

Raheleh Daneshmandparsa^{1,2,1}Dept. of Natur. Resour., Isf. Univ. of Technol., Isfahan, Iran ²Dept. of the Environ., Faculty of Natur. Resour. and Earth Sci, Univ. of Kashan, Kashan, Iran

12.00-12.15

T0447 Soil and gas exchange under historically farmed and pristine Acacia karoo patches in the Tankwa Karoo National Park, South Africa

Lesego Khomo¹UNISA

12.15-12.30

T0529 Tree Rings as Bio-indicator of Riverscape Changes in Central Iran

*Hossein Moradi¹, Mahsa Mirzakhani¹, Rasoul Yousefpour², Hans-Peter Kahle², Javad Soosani³
¹Department of Natural Resources, Isfahan University of Technology, ²Chair of Forestry Economics and Forest Planning, University of Freiburg, ³Faculty of Agriculture and Natural Resources, Lorestan University*

Friday, 5 July 2019

10.30-12.00	<p>Symposium 28 - Forest disturbances as drivers of tree species range shifts under global change</p> <p>Room: U6 - 02</p> <p>Session Organisers: Juha Honkaniemi^{1,1}<i>Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna (BOKU)</i>; Brian Buma^{2, 2}<i>Department of Integrative Biology, University of Colorado Denver</i>;</p>
10.30-10.45	Introduction to Symposium 28
10.45-11.00	<p>T0100 Plant pathogens have their say: Impact of a novel Phytophthora species on plant composition and ecosystem functions of kauri forests</p> <p>Luitgard Schwendenmann¹, Beate Michalzik^{2,1}<i>University of Auckland, 2University of Jena</i></p>
11.00-11.15	<p>T0156 Anthropogenic disturbance is more important than climate change in explaining compositional changes in northern forests over the past century</p> <p>Victor Danneyrolles¹, Yan Boucher², Jason Laflamme², Mark Vellend³, Yves Bergeron⁴, Dominique Arseneault^{1,1}<i>Université du Québec à Rimouski, 2Ministère des Forêts, de la Faune et des Parcs du Québec, 3Université de Sherbrooke, 4Université du Québec en Abitibi-Témiscamingue</i></p>
11.15-11.30	<p>T0248 Do we need disturbances to project species distributions? Insights from Temperate and Mediterranean forests.</p> <p>Josep M Serra-Diaz¹, Yu Liang², Robert M Scheller³, Janet Franklin^{4,1}<i>Université de Lorraine, AgroParisTech, INRA, Silva 2CAS Key Laboratory of Forest Ecology and Management, Institute of Applied Ecology, The Chinese Academy of Sciences, 3Fellow, Center for Geospatial Analytics -- Dynamic Ecosystems & Landscapes Lab. North Carolina State University, 4University of California Riverside</i></p>
11.30-11.45	<p>T0481 Gaps accelerate temperate forest adaptation to global warming</p> <p>Lucie Dietz¹, Catherine Collet¹, Jean-Luc Dupouey¹, Lisa Laurent¹, Eric Lacombe^{1,1}<i>Université de Lorraine, AgroParisTech, Inra, Silva, 54000, Nancy, France</i></p>
11.45-12.00	<p>T0663 Climate-induced slope processes favour widespread microrefugia for nival and alpine plant species across treelines</p> <p>Rodolfo Gentili¹ <i>1University of Milano-Bicocca, Department of Earth and Environmental Sciences</i></p>

Friday, 5 July 2019

10.30-12.45	<p>Symposium 47 - Biophysical Methods for the Quantification, Mapping and Assessment of Ecosystem Services</p> <p>Room: U6 - 03</p> <p>Session Organisers: Bastian Steinhoff-Knopp¹, Benjamin Burkhard^{1,1}<i>Leibniz Universität Hannover</i></p>
10.30-10.45	Introduction to Symposium 47
10.45-11.00	<p>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</p> <p>Xueying Tu^{1,2}, Qing Chang¹, Veerle Van Eetveld², Wangxin Su^{1,1}<i>China Agricultural University, 2Ghent University</i></p>
11.00-11.15	<p>T_8918 Quantification and mapping of regulating and provisioning services in urban areas making use of a system dynamics model</p> <p>Javier Babí Almenar^{1,2,3}, Thomas Elliot¹, Benedetto Rugani¹, Claudio Petucco^{1,1}<i>Luxembourg Institute of Science & Technology, 2University of Trento, 3University of Bordeaux</i></p>

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

Friday, 5 July 2019

10.30-12.30	Symposium 43 - Planning with nature for sustainable landscape development: lessons-learned from around the world Room: U6 - 02 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>
10.30-10.45	Introduction to Symposium 43
10.45-11.00	T0346 City scale landscape planning based upon prioritization and governance of NBS Zhifang Wang ¹ , Sirui Wang ¹ , Yinglu Miu ¹ , Yaojin Zhou ¹ , Zhongwei Zhu ¹ , Hongpeng Fu ¹ ¹ <i>College of Architecture and Landscape, Peking University</i>
11.00-11.15	T0938 Urban regeneration with productive nature-based solutions – what are the framing conditions? Examples from seven post-industrial European cities Rieke Hansen ¹ , Sabina Leopa ² , Pietro Elisei ² , Axel Timpe ¹ ¹ <i>RWTH Aachen University</i> , ² <i>URBASOFIA</i>
11.15-11.30	T0670 Exploring Co-Benefits, Negative Externalities and Impact Pathways of Nature-based Solutions in Urban Areas Maria Susana Orta Ortiz ¹ , Davide Geneletti ¹ ¹ <i>University of Trento, Department of Environmental, Civil and Mechanical Engineering</i>
11.30-11.45	T0360 Regional policies to better protect natural heritage of peri-urban open spaces: example from European Union Marcin Spyra ¹ , Alina Schürmann ¹ ¹ <i>Martin Luther University, Halle – Wittenberg</i>
11.45-12.00	T0160 Stelvio national park: interregional planning for future landscapes Riccardo Giacomelli ¹ ¹ <i>University of Trento, DICAM, Doctoral Course in Civil, Environmental and Mechanical Engineering</i>

12.00-12.15	T0644 Planning nature-based solutions in the Lahn river landscape Christian Albert ¹ , Mario Brillinger ¹ , Sarah Gottwald ¹ , Paulina Guerrero ¹ , Jennifer Henze ¹ , Stefan Schmidt ¹ ¹ <i>Leibniz University Hannover, Institute of Environmental Planning</i>
12.15-12.30	T0359 A health-data led approach to green and blue infrastructure and health studies-A case study of Ireland Oludunsin Arodudu ¹ , Ronan Foley ¹ , Michael Brennan ² , Gerald Mills ³ , Tine Ningal ³ , Malachy Bradley ² ¹ <i>Maynooth University</i> , ² <i>Eastern and Midland Regional Assembly</i> , ³ <i>School of Geography, University College Dublin</i>

Friday, 5 July 2019

10.30-12.25	Symposium 15 - Toward a landscape-scale management of large carnivores in human-dominated areas Room: U6 - 05 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>
10.30-10.45	Introduction to Symposium 15
10.45-11.00	T0082 Change of woody cover affects ocelot recovery in South Texas, USA Jason Vincent Lombardi ¹ , Michael E. Tewes ¹ , Humberto L. Perotto-Baldivieso ¹ ¹ <i>Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville</i>
11.00-11.15	T0933 How Iberian lynx interact with humanized landscapes? Insights from a Portuguese study Inês Marques Duarte ¹ , Susana Dias ¹ , Leónia Nunes ^{1,2,3} , Francisco Castro Rego ¹ ¹ <i>Centre for Applied Ecology "Professor Baeta Neves" (CEABN), InBIO, School of Agriculture, University of Lisbon</i> , ² <i>CITAB - Centre for the Research and Technology of Agro-Environmental, Biological Sciences, University of Trás-os-Montes e Alto Douro</i>
11.15-11.30	T0406 Evaluating impact of major developments in Myanmar on clouded leopard connectivity and population dynamics Zaneta Kaszta ¹ , Samuel A. Cushman ² , Saw Htun ³ , Dawn Burnham ¹ , David W. Macdonald ¹ ¹ <i>Wildlife Conservation Research Unit (WildCRU), University of Oxford</i> , ² <i>USDA Forest Service, Rocky Mountain Research Station</i> , ³ <i>WCS Myanmar</i>
11.30-11.45	T0475 Using Systematic Conservation Planning to identify habitat conservation priorities for brown bears in the Romanian Carpathians Viorel Popescu ¹ , Mihai Pop ² , Ruben Iosif ² , Iulia Miu ² , Laurentiu Rozylowicz ² ¹ <i>Ohio University, Department of Biological Sciences</i> , ² <i>University of Bucharest</i>
11.45-12.00	T0648 Should I stay or should I go? Different strategies of recolonization of a lowland ecological corridor by wolf Valerio Orioli ¹ , Alberto Meriggi ² , Luciano Bani ¹ , Olivia Dondina ¹ ¹ <i>University of Milano-Bicocca</i> , ² <i>University of Pavia</i>
12.00-12.15	T0195 Striped hyenas - human-wildlife conflict in a highly populated area Yariv Malih ¹ ¹ <i>INPA - Israel Nature Reserves & National Parks Authority</i>
12.15-12.30	T0846 Understanding spatial patterns of livestock depredation risk by wolves in a human-dominated landscape of northern Apennines, Italy Marco Davoli ¹ , Tobias Kueemmerle ¹ , Arash Ghoddousi ¹ , Olivia Dondina ² , Elena Fabbri ³ , Romolo Caniglia ³ ¹ <i>Humboldt-Universität zu Berlin</i> , ² <i>Università degli Studi di Milano-Bicocca - Department of Earth and Environmental Sciences</i> , ³ <i>Institute for Environmental Protection and Research (ISPRA)</i>
12.30-12.45	T0192 Integrating ecology and social science to understand dynamics of human-black bear (Ursus americanus) interactions across an exurban landscape Anita T Morzillo ¹ , Nicholas Yarmey ¹ , Howard Kilpatrick ² , Rick Jacobson ² , Jason Hawley ² ¹ <i>University of Connecticut</i> , ² <i>Connecticut Department of Energy and Environmental Protection</i>

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10.30-12.30	<p style="text-align: center;">Symposium 38 - 3-D landscape metrics and visualization techniques - applications in spatial planning, environmental assessment and participatory decision processes</p> <p style="text-align: center;">Room: U6 - 06</p> <p style="text-align: center;">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>
10.30-10.45	Introduction to Symposium 47
10.45-11.00	T0040 Landscape Visualization: Its Application for Participatory Decision Making Elham Nasr Azadani ¹ <i>Pennsylvania State University</i>
11.00-11.15	T0073 Integrating the three-dimensional pattern metrics and circuitry-theory to develop the greenspace ecological networks Fanhua Kong ¹ , Fan Fei ² , Jiayu Chen ¹ , Haiwei Yiin ² ¹ <i>International Institute for Earth System Science (ESSI), Nanjing University</i> , ² <i>School of Architecture and Urban Planning, Nanjing University</i>
11.15-11.30	T0078 Using 3-D metrics in spatial planning – application areas and suitability of indicators Christine Fürst ¹ ¹ <i>Dept. Sustainable Landscape Development, Martin Luther University Halle-Wittenberg</i>
11.30-11.45	T0210 3D point clouds as a new language for linking landscape ecology and participatory planning Grêt-Regamey Adrienne ¹ , Dissegna Angela ² ¹ <i>ETH Zürich</i> , ² <i>ETH-SEC, Future Cities Lab</i>
11.45-12.00	T0325 Topographic controls over soil-vegetation relationships in the Southern Urals, Russia under climatic changes Alexander Khoroshev ¹ , Darya Sharova ¹ , Glafira Leonova ¹ ¹ <i>Lomonosov Moscow State University, Faculty of Geography</i>
12.00-12.15	T0376 Differentiating between 2D and 3D landscape metrics: the role of surface variability Mihai-Sorin Stupariu ¹ , Christine Fürst ² , Ileana Pătru-Stupariu ¹ ¹ <i>University of Bucharest</i> , ² <i>Martin Luther University Halle-Wittenberg</i>
12.15-12.30	T0588 Do we need 3D-landscape metrics? Ulrich Walz ¹ ¹ <i>Dresden University of Applied Sciences</i>

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10.30-12.45	<p style="text-align: center;">Symposium 41 - Ecology, water and the city: strengthening water-sensitive planning with Nature-Based Solutions in urban contexts</p> <p style="text-align: center;">Room: U6 - 03</p> <p style="text-align: center;">Session Organisers: Daniele La Rosa, <i>University of Catania, Department of Civil Engineering and Architecture</i>; Raffaele Pelorosso, <i>Tuscia University</i></p>
10.30-10.45	Introduction to Symposium 41
10.45-11.00	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

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

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10.30-12.30	Symposium 29 - Good anthropocene practices in contributing landscape ecology. Discourses and perspectives on governance process towards resilience and adaptation of complex systems Room: U6 - 03 Session Organisers: Angela Colucci ¹ , ¹ <i>SIEP-IALE / REsilienceLAB</i> , Emma Puerari ² , ² <i>TU Delft / Dutch Research Institute for Transitions</i> ; Luca Sára Bródy ³ , ³ <i>Gran Sasso Science Institute (GSSI)</i>
10.30-10.45	Introduction to Symposium 29
10.45-11.00	T0115 Urban psychology: neuroscience, epigenetics and resilience as contributions for an ecological response to the Anthropocene Marialfonsa Fontana Sartorio ¹ ¹ <i>Associazione qualità e formazione</i>
11.00-11.15	T0322 Alignment of Social and Ecological Structures Increased the Ability of Trans-boundary River Management Shuai Wang Wang ¹ ¹ <i>Beijing Normal University</i>
11.15-11.30	T0366 Institutional barriers of the adaptation process of the cities and their reactions to the climate change Tereza Aubrechtová ¹ , Jan Geletič ² , Olga Halasová ³ , Michal Lehnert ³ ¹ <i>University of Ostrava, Faculty of Science</i> , ² <i>CZECHGLOBE - Global Change Research Institute, CAS</i> , ³ <i>Palacký University Olomouc, Faculty of Physical Culture</i>

11.30-11.45	T0445 Behavioural change towards sustainable and resilient communities: the role of community involvement, green co-design and gamification tools Giuliana Gemini ¹ , Silvia Pezzoli ¹ , Alessandro Lué ¹ , Federico Lia ¹ ¹ <i>Poliedra - Politecnico di Milano</i>
11.45-12.00	T0591 Delineation of county landscape governance units for WuSheng Yaojing Zhou ¹ , Zhifang Wang ¹ , Sirui Wang ¹ , Yinglu Miao ¹ , Zhongwei Zhu ¹ ¹ <i>School of Architecture and Landscape Design, Peking University</i>
12.00-12.15	T0622 Good anthropocene practices: emerging trends and perspectives for the implementation of renovated adaptive governance models Angela Colucci ¹ ¹ <i>SIEP-IALE / REsilienceLAB / Co.O.Pe.Ra.Te. srl</i>
12.15-12.30	T0722 From the past straight into the future: the Italian Commons revived as socio-ecological systems in an Ecosystem Service perspective. Silvia Scozzafava ¹ ¹ <i>Independent</i>

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10.30-12.35	Symposium 57 - Green Infrastructure as a way to rethink Ecological Landscape Planning Room: U6 - 09 Session Organisers: Camila Sant' Anna ¹ , ¹ <i>University of Brasília / University of Goiás</i> , Maria do Carmo De Lima Bezerra ² , ² <i>UnB – University of Brasília</i>
10.30-10.45	Introduction to Symposium 57
10.45-11.00	Invited speaker
11.00-11.15	T0809 Species-habitat networks: A novel approach to improve agricultural landscape management for conservation Lorenzo Marini ¹ , Ignasi Bartomeus ² , Francesco Lami ¹ ¹ <i>DAFNAE, University of Padova</i> , ² <i>Dpto. Ecologia Integrativa, Estacion Biologica de Dõnana (EBD-CSIC)</i>
11.15-11.30	T0714 Ecological Landscape Planning: An applied study of the Cantareira State Park's buffer zone Adriana Afonso Sandre ¹ , Júlia Assis ¹ , Paulo Pellegrino ¹ ¹ <i>University of São Paulo, School of Architecture and Urbanism</i>
11.30-11.45	T0261 Using an ecomimicry design approach to achieve ecologically-attuned, multifunctional urban green infrastructure Caroline Nash ¹ , Stuart Connop ¹ ¹ <i>University of East London</i>
11.45-12.00	T0565 Evaluation of the green infrastructure from UAV images, in the UnB Planaltina Campus area, Brasília, DF, Brazil Rômulo Ribeiro ¹ ¹ <i>UNiversity of Brasília</i>
12.00-12.15	T0532 Defining ecological corridors for birds in urban landscapes using multipath model and landscape configuration analysis Gabriela Rosa Graviola ¹ , João Carlos Castro Pena ¹ , Milton Cezar Ribeiro ¹ ¹ <i>UNESP - São Paulo State University</i>
12.15-12.30	T0334 Islands in the Sky: Green roofs demonstrate the problems of implementing green infrastructure without good landscape planning and ecological knowledge. Heather Rumble ¹ , Alan Gange ² ¹ <i>University of Portsmouth</i> , ² <i>Royal Holloway, University of London</i>
12.30-12.35	T_0534 Mapping the cooling capacity of existing green infrastructure to support urban planning in the city of Ghent Luyuan Li ¹ , Pieter Uyttenhove ¹ , Veerle Van Eetvelde ² , Xin Cheng ¹ ¹ <i>Department of Architecture and urban planning, Ghent University</i> , ² <i>Department of Geography, Ghent University</i>

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10.30-12.30	<p>Symposium 73 - Social theory and landscape ecology – Interpreting, explaining and modeling landscape management practices and decision making in the Anthropocene (order to be confirmed)</p> <p>Room: U6 - 10</p> <p>Session Organisers: Andreas Aagaard Christensen¹, Veerle Van Eetvelde², Anna Hersperger³, Terry Marsden⁴, Matthias Buchecker⁵; ¹University of Copenhagen, Department of Geosciences and Natural Resource Management; ²University of Ghent, Department of Geography, Landscape Research Unit; ³Swiss Federal Research Institute WSL, Land Change Science Research Unit; ⁴Cardiff University, School of Geography and Planning; ⁵Swiss Federal Research Institute WSL, Social Sciences in Landscape Research Unit</p>
10.30-10.45	Introduction to Symposium 73
10.45-11.00	<p>T_1007 Explaining environmental changes in the landscape: Do we need more theory or better methodology?</p> <p>Bradley Walters¹ Mount Allison University, Sackville, N.B. CANADA</p>
11.00-11.15	<p>T_1008 Unified science, landscape management, and the Viewpoint of Complementarity</p> <p>Steen Brock¹ Aarhus University</p>
11.15-11.30	<p>T_1015 Comparative approaches to theory formulation from case study evidence - Examples from studies of decision making in European and post-colonial agricultural landscapes</p> <p>Andreas Aagaard Christensen¹ University of Copenhagen</p>
11.30-11.45	<p>T_1018 Landscape ecological theory building in an interdisciplinary context – learning from the past towards the future</p> <p>Veerle Van Eetvelde¹ Ghent University, Department of Geography</p>
11.45-12.00	<p>T_8852 "Nature has gone wild": comparing local farmers' and conservationists'-researchers' perceptions of landscape changes in Hungary</p> <p>Noémi Ujházy¹, Zsolt Molnár², Ákos Bede-Fazekas², Mária Szabó¹, Marianna Biró² ¹Department of Environmental and Landscape Geography, Eötvös Loránd University, ²MTA Centre for Ecological Research, GINOP Sustainable Ecosystems Group</p>
12.00-12.15	<p>T0133 Managing biodiversity across the landscape: an approach developed for the Tasmanian forest practices system</p> <p>Anne Chuter¹, Amy Koch¹, Sarah Munks¹ Forest Practices Authority</p>
12.15-12.30	<p>T0383 Inscape/Landscape Concept by P. M. Dansereau: synthesis for landscape management</p> <p>Miloslav Lapka¹ Faculty of Economics, University of South Bohemia in Ceske Budejovice</p>

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10.30-12.30	<p style="text-align: center;">Session soil, vegetation and biodiversity</p> <p style="text-align: center;">Room: U6 - 12</p>
10.30-10.45	<p>T0709 Structure and dynamics of forest landscapes of the north-western Caucasus</p> <p>Marina Petrushina¹, Maxim Bocharnikov¹ Lomonosov Moscow State University, Faculty of Geography</p>
10.45-11.00	<p>T0867 Assessing impact of human disturbance in shaping forest plant communities structure, productivity and diversity in highly fragmented high-Andean forests</p> <p>Mariasole Calbi¹ Freie Universität Berlin - Botanischer Garten und Botanischer Museum Berlin</p>
11.00-11.15	<p>T0238 Impacts of forest restoration on soil organic carbon and nitrogen dynamics</p> <p>Xiaolin Dou¹ Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</p>
11.15-11.30	<p>T0918 Secondary forests have functionally eroded pollinator communities and reduced plant genetic diversity</p>

	Urs G Kormann ¹ , F. Andrew Jones ² , Adam S. Hadley ³ , W. Douglas Robinson ⁴ , Matthew G. Betts ³ <i>¹Swiss Ornithological Institute Sempach, Bern University of Applied Sciences, ²Department of Botany and Plant Pathology, Oregon State University, ³Forest Biodiversity Research Network, Forest Ecosystems and Society, Oregon State University, ⁴Department of Fisheries and Wildlife, Oregon State University</i>
11.30-11.45	T0691 Legumes contribution to nitrogen supply in other plants and microhabitats in a green roof substrate. Stuart Dick ¹ <i>¹University of Portsmouth</i>
11.45-12.00	T0329 Black beauty on the rocks – distribution, function and C-storage potential of Tangel humus in the Calcareous Alps Michelangelo Olleck ^{1,2} , Jörg Ewald ^{1,2} <i>¹Hochschule Weihenstephan-Triesdorf, University of Applied Sciences</i>
12.00-12.15	T0925 Grazing animals are important for distribution of plant genes in alpine summer farming landscapes and rangelands Hanne Sickel ¹ , Ellen Svalheim ¹ <i>¹Norwegian Institute of Bioeconomy Research (NIBIO), Department of Landscape Monitoring</i>
12.15-12.30	T0264 Mediterranean riparian forests as carbon bankers M Rosário Fernandes ¹ , Francisca C. Aguiar ¹ , Alexandra Correia ¹ , M João Martins ¹ , Nuno Rico ² , José M. C. Pereira ¹ <i>¹Forest Research Centre (CEF), School of Agriculture, University of Lisbon, ²The Navigator Company</i>

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10.30-12.30	Symposium 35 - Planning and design for sustainable and healthy cities: mainstreaming urban ecological measures beyond demonstration projects Room: U6 - 13 Session Organisers: Ina Saumel ¹ , Federica Larcher ² ; <i>¹TU Berlin, ²University of Turin, Dept. Agricultural, forest and food sciences</i>
10.30-10.45	Introduction to Symposium 35
10.45-11.00	T0224 Agenda for Urban Farmland Conservation and Green Infrastructure Development in a Sprawled Suburban City in Tokyo, Japan Akito Murayama ¹ , Akiko Iida ¹ <i>¹Associate Professor, Department of Urban Engineering, School of Engineering, The University of Tokyo</i>
11.00-11.15	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. Ignacio C. Fernández ¹ <i>¹Centro de Modelación y Monitoreo de Ecosistemas, Universidad Mayor</i>
11.15-11.30	T0515 Urban community foodsheds in Tokyo Metropolis Akiko Iida ¹ , Kai Kurimoto ¹ , Kazuki Kuse ¹ , David Mason ¹ , Takahiro Yamazaki ¹ , Makoto Yokohari ¹ <i>¹Department of Urban Engineering, Graduate School of Engineering, The University of Tokyo</i>
11.30-11.45	T0564 Residential Greenery and Human Well-being: the Case Study of Berlin Luca Battisti ¹ , Lauranne Pille ² , Thomas Wachtel ² , Federica Larcher ¹ , Ina Säumel ² <i>¹University of Turin, ²Integrative Research Institute THESys Transformation of Human-Environment-Systems Humboldt-Universität zu Berlin</i>
11.45-12.00	T0593 Validating users' preferences for accessibility to green spaces in cities: a planning framework to increase cultural services Chika Takatori ¹ , Daniele La Rosa ² <i>¹Graduate School of Environmental Studies, Nagoya University, ²Department Civil Engineering and Architecture, University of Catania</i>
12.00-12.15	T0741 What have we learned from nature restoration and collaborative ecological landscape design in urban area in Japan? Keitaro Ito ¹ , Tomomi Sudo ¹ <i>¹Lab. Environmental Design, Kyushu Institute of Technology, Japanese National University Corporation</i>

12.15-12.30	T0777 Transformation towards Water Sensitive Communities: Experiences from Water Scarce Cities Zeina El Zein ¹ <i>IRI THESys - Humboldt University</i>
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10.30-12.15	Session Remote sensing Room: U6 – 1a
10.30-10.45	T0228 Landscape patterns of forest types using object-based classification method based on GF-1 remote sensing data in the Qinling Mountains, China Xuehua Liu ¹ , Wanlong Sun ¹ <i>¹Tsinghua University</i>
10.45-11.00	T0764 Anthropogenic gap dynamics in forest landscapes of Northeastern Europe during recent history Urmas Peterson ¹ , Jaan Liira ² <i>¹Department of Remote Sensing, Tartu Observatory of University of Tartu, ²Department of Botany, Institute of Ecology and Plant Sciences, Faculty of Science and Technology, University of Tartu</i>
11.00-11.15	T0189 Remote sensing data for the assessment of condition dynamics of river basins vegetation cover in European Russia Natalia Mishchenko ¹ , Tatiana Trifonova ² , Natalia Mishchenko ¹ , Oleg Savelyev ¹ <i>¹Vladimir State University, ²Lomonosov Moscow State University and Vladimir State University</i>
11.15-11.30	T0916 Modeling landscape patterns presented by the coastal ridge landforms in the lake basins of arid regions Timur Gonikov ¹ <i>¹Lomonosov Moscow State University / Faculty of Geography</i>
11.30-11.45	T0449 3-D beach metrics: an instrument to inform resilience on Mediterranean beaches. Jose Lascurain ¹ <i>¹SGM sl</i>
11.45-12.00	T0636 Thermal fields invariants in the southern taiga landscape using Landsat images Anastasia Baibar ¹ , Robert Sandlersky ² <i>¹Lomonosov Moscow State University, ²A.N. Severtsov Institute of Ecology and Evolution RAS</i>
12.00-12.15	T_0791 Investigating the patterns of recurrent fires in highly urbanized Mediterranean landscapes Vincenzo Giannico ¹ , Mario Elia ¹ , Giuseppina Spano ¹ , Raffaele Laforteza ¹ , Giovanni Sanesi ¹ <i>¹Università degli Studi di Bari Aldo Moro</i>

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10.30-12.15	Session Public Participation Introduction Room: U6 – 1b
10.30-10.45	Introduction to Session Public Participation Introduction
10.45-11.00	T0749 Urban Green Infrastructure for Children's Ecological Learning : Design and Collaborative Management of an Urban Park in Kitakyushu City, Fukuoka, Japan. Tomomi Sudo ¹ , Keitaro Ito ¹ , Ingunn Fjørtoft ² <i>¹Laboratory of Environmental Design, Department of Civil Engineering, Kyushu Institute of Technology, ²Faculty of Art, Fork Culture and Teacher Education, University College of South-Eastern Norway</i>
11.00-11.15	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. Alessandro Betta ¹ , Martina Van Lierop ² , Aurore Meyfroidt ³ <i>¹University of Trento - Department of Civil, Environmental and Mechanical Engineering (DICAM), ²Technical University of Munich, School of</i>

	<i>Life Sciences Weihenstephan, Strategic Landscape Planning and Management,³University Grenoble Alpes, UMR PACTE</i>
11.15-11.30	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. Boris Salak ¹ , Marcel Hunziker ¹ , Felix Kienast ¹ , Reto Spielhofer ² , Ulrike Wissen ² , Adrienne Grêt-Regamey ² ¹ <i>Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), ²ETH PLUS Zürich</i>
11.30-11.45	T0561 Management and Perception of metropolitan Natura 2000 sites: the case study of La Mandria Park (Turin, Italy) Federica Larcher ¹ , Luca Battisti ¹ ¹ <i>Department of Agricultural, Forest and Food Sciences, University of Turin</i>
11.45-12.00	T0191 Co-producing urban meadows as a nature-based solution: Land manager perceptions of the opportunities and challenges. Helen Hoyle ¹ , Anna Jorgensen ² , Philip Warren ³ , Nigel Dunnett ² , Karl Evans ³ ¹ <i>Centre for Sustainable Planning and Environments, UWE Bristol, ²Department of Landscape, University of Sheffield, ³Department of Animal and Plant Sciences, University of Sheffield</i>
12.00-12.15	T0384 Solution for community re-building: Exposing the hidden social value of community agriculture in China Xiaoying Ding ¹ , Yukun Zhang ¹ , Juan Wang ¹ ¹ <i>Tianjin University</i>

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10.30-12.30	Symposium 07 - Anthropocene or Urbanocene? The need of a new theory of global sustainability, including urban metabolism Room: U6 – 1c Session Organisers: Massimo Palme ¹ , Luis Inostroza ² , Daniele La Rosa ³ ¹ <i>Universidad Católica del Norte, ²Ruhr Universität Bochum, ³Università di Catania</i>
10.30-10.45	Introduction to Symposium 07
10.45-11.00	T0864 Anthropocene, urbanocene, capitalocene Massimo Palme ¹ ¹ <i>Universidad Católica del Norte</i>
11.00-11.15	T0917 Anthropocene, its 40 alternatives and planetary urbanization – considering the urbanocene proposition Franciszek Chwalczyk ¹ ¹ <i>Adam Mickiewicz University in Poznan, Faculty of Social Sciences</i>
11.15-11.30	T0090 Port-City interface: the water-front area in Haifa as an ecosystem between the mountain, the port and the city Noa Benvenisty ¹ , Elena Bougleux ¹ ¹ <i>University of Bergamo</i>
11.30-11.45	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 Vittoria Mencarini ¹ , Luca Emanuelli ¹ , Gianni Lobosco ¹ , Massimo Tondello ¹ ¹ <i>University of Ferrara, Department of Architecture - International Research Doctorate in Architecture and Urban Planning</i>
11.45-12.00	T0595 Anatomy of a Mutating Landscape Giovanni Santamaria ¹ ¹ <i>New York Institute of Technology- School of Architecture and Design</i>
12.00-12.15	T0686 A Green Infrastructure and urban metabolism strategy for urban retrofitting Daniele La Rosa ¹ , Riccardo Privitera ¹ ¹ <i>University of Catania</i>
12.15-12.30	T0513 Public spaces and common scapes. Five questions in [scalar] transition. Carola Clemente ¹ , Marilisa Cellurale ¹ , Michele Bianchi ¹ ¹ <i>Sapienza, University of Rome</i>

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10.30-12.15	<p align="center">Symposium 27 - Working with Natural Processes: Co-benefits at the Landscape Scale</p> <p align="center">Room: U6 – 1d</p> <p align="center">Session Organisers: Jessica Neumann¹, Chris Short², Emma Shuttleworth³,¹<i>University of Reading / International Association for Landscape Ecology UK Chapter (ialeUK)</i>,²<i>CCRI, University of Gloucester</i>,³<i>University of Manchester</i></p>
10.30-10.45	<p>T0499 Green infrastructure planning for reduction of flood risks and improvement of ecosystem viability within lowland river landscapes in Latvia and Lithuania</p> <p>Anda Ruskule¹, Ivo Vinogradovs², Anita Zariņa², Dana Prižavoite¹, Kristina Veidemane¹,¹<i>Baltic Environmental Forum – Latvia</i>, ²<i>University of Latvia</i></p>
10.45-11.00	<p>T0453 A multi-criteria approach for the Nature-Based Solutions (NBSs) assessment. The case-study of the Isar River (DE)</p> <p>Francesco Pugliese¹, Gerardo Caroppi¹, Francesco De Paola¹, Aude Zingraff-Hamed², Maurizio Giugni¹ ¹<i>University of Naples Federico II, Department of Civil, Architectural and Environmental Engineering</i>, ²<i>Technical University of Munich, Chair for Strategic Landscape Planning and Management</i></p>
11.00-11.15	<p>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.</p> <p>Angie Elwin¹ ¹<i>University of Reading</i></p>
11.15-11.30	<p>T0833 Delivering Natural Flood Risk Management through restoration of upland peatlands – evidence from landscape scale restoration in the southern Pennines, UK</p> <p>Martin Evans¹, Emma Shuttleworth¹, Tim Allott¹, Martin Kay¹, David Milledge², Joseph Holden³ ¹<i>University of Manchester</i>, ²<i>Newcastle University</i>, ³<i>University of Leeds</i></p>
11.30-11.45	<p>T0282 Sustainable development through Eco-DRR and WWNP in Aso region, Kyushu, Japan</p> <p>Tomohiro Ichinose¹ ¹<i>Keio University</i></p>
11.45-12.00	<p>T0048 Reduction of flood and sediment disaster risk using traditional knowledge of satoyama landscape on the west side of Lake Biwa, Japan</p> <p>Katsue Fukamachi¹, ¹<i>Kyoto University</i></p>
12.00-12.15	<p>Symposium 27 final discussion</p>

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10.30-12.45	<p align="center">Symposium 32 - Past, present, and future resilience of forest landscapes: Unpacking effects of multi-scale climate change</p> <p align="center">Room: U6 – 1e</p> <p align="center">Session Organisers: Rupert Seidl¹, Winslow D. Hansen² ¹<i>University of Natural Resources and Life Sciences (BOKU) Vienna</i>,²<i>Columbia University</i></p>
10.30-10.45	<p>Introduction to Symposium 32</p>
10.45-11.00	<p>T0276 Forest resilience to climate change: An investigation across scales</p> <p>Rupert Seidl¹,¹<i>University of Natural Resources and Life Sciences (BOKU) Vienna</i></p>
11.00-11.15	<p>T0597 Multiscale climate change impacts on the Amazon rainforest</p> <p>Anja Rammig¹, Katrin Fleischer¹, Christian Zang¹, Delphine Clara Zemp², Carlos Quesada³ ¹<i>Technical University of Munich</i>, ²<i>University of Goettingen</i> ³<i>National Institute for Amazonian Research (INPA)</i></p>
11.15-11.30	<p>T0488 Variability is more important than the mean: sensitivity of vegetation to rainfall in seasonally dry tropical forests</p> <p>Naomi Schwartz¹, Jennifer Powers², Xue Feng² ¹<i>Department of Geogaphy, University of British Columbia</i>, ²<i>University of Minnesota</i></p>

11.30-11.45	T0500 Evaluating savanna-forest stability from temporal trajectories of change Carla Staver ¹ , Casey Ryan ² , Sam Bowers ² ¹ <i>Yale University</i> , ² <i>University of Edinburgh</i>
11.45-12.00	T0098 Topographic complexity increases the climate resilience of mountain forests Katharina Albrich ¹ , Werner Rammer ¹ , Rupert Seidl ¹ ¹ <i>Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna</i>
12.00-12.15	T0522 Ecological constraints on the pace of upslope range shifts by subalpine forests with warming Lara Kueppers ¹ ¹ <i>University of California, Berkeley</i>
12.15-12.30	T0660 Scale-dependent changes in the structure of naturally dynamic old-growth boreal forests on two continents Niko Kulha ¹ , Leena Pasanen ² , Lasse Holmström ² , Louis De Grandpré ³ , Sylvie Gauthier ³ , Timo Kuuluvainen ¹ ¹ <i>Department of Forest Sciences, University of Helsinki</i> , ² <i>Research Unit of Mathematical Sciences, University of Oulu</i> , ³ <i>Laurentian Forestry Center, Canadian Forest Service</i>
12.30-12.45	T0347 Effects of climate variability on the resilience of tropical, temperate, and boreal forest landscapes Winslow Hansen ¹ , Rupert Seidl ² ¹ <i>Columbia University</i> , ² <i>University of Natural Resources and Life Sciences (BOKU)</i>

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10.30-12.45	Session Dynamic and Disturbance Room: U6 – 1f
10.30-10.45	T0871 Ecosystem changes induced by Robinia pseudoacacia: results from invaded landscapes in the Veneto Region Thomas Campagnaro ¹ , Simone Iacopino ¹ , Flora Giulia Simonelli ¹ , Tommaso Sitzia ¹ ¹ <i>Dept. of Land, Environment, Agriculture and Forestry - Università degli Studi di Padova</i>
10.45-11.00	T0742 The effect of the invasive species Buddleja davidii on plant–pollinator networks is mediated by honeybee abundance Daria Corcos ¹ ¹ <i>DAFNAE, University of Padova, Viale dell'Università 16, 35020 Legnaro (Padua), Italy</i>
11.00-11.15	T_2222 Integrating vegetation suitability into the ecological restoration in the LoessPlateau, China Cong Wang ¹ ¹ <i>Research Center for Eco-environmental Sciences, Chinese Academy of Sciences</i>
11.15-11.30	T_9003 Amazon deforestation drives malaria transmission, and malaria burden reduces forest clearing Andrew MacDonald ¹ , Erin Mordecai ² ¹ <i>Earth Research Institute, University of California, Santa Barbara</i> , ² <i>Department of Biology, Stanford University</i>
11.30-11.45	T0628 Transboundary Climate Adaptation Strategies Are Needed For East Asian Temperate Forests. Hyeyeong Choe ¹ , James Thorne ² ¹ <i>Kangwon National University</i> , ² <i>University of California Davis</i>
11.45-12.00	T0795 Responses of Spring Phenology to Preseason Warming and Temperature Sensitivity Changes in High Latitudes of China Yue Yang ¹ , Haibo Du ² , Hong S. He ³ , Shengwei Zong ² , Zhengfang Wu ² , Mai-He Li ⁴ ¹ <i>Northeast Normal University, Changchun, China</i> , ² <i>School of Geographical Sciences, Northeast Normal University, 130024, Changchun, China</i> , ³ <i>School of Natural Resources, University of Missouri, Columbia, MO, USA</i> , ⁴ <i>Forest Dynamics, Swiss Federal Research Institute WSL, Birmensdorf, Switzerland</i>
12.00-12.15	T0844 Urbanization and black locust dominance effects on understory plant biodiversity in three European cities compared Simone Iacopino ¹ , Sabina Burrascano ² , Cecilia Bacchetti ³ , Giovanni Trentanovi ¹ , Tommaso Sitzia ¹ ¹ <i>Università degli Studi di Padova, Dipartimento Territorio e Sistemi Agro-forestali</i> , ² <i>Sapienza Università di Roma, Dipartimento di Biologia Ambientale</i> , ³ <i>Regione Lazio</i>
12.15-12.30	T0292 Landscape Approach Methodology for Islands Environmental Monitoring Artem Kudriavtcev ¹ ¹ <i>Pacific International Landscape Center Far East Federal University</i>

12.30-12.45	<p>T0211 Does land use change influence human well-being and development in the Amazon's agriculture frontier?</p> <p>Andrea Santos Garcia¹, Paul C. West², James S. Gerber², Maria Victoria R. Ballester¹ ¹<i>Environmental analysis and Geoprocessing Lab, Centre for Nuclear Energy in Agriculture, University of São Paulo,</i> ²<i>Global Landscapes Initiative, Institute on the Environment, University of Minnesota</i></p>
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Friday, 5 July 2019

14.00-14.55	<p style="text-align: center;">Symposium 20 - Challenges of Arid and Semi-Arid Landscapes in the Anthropocene: Searching for New approaches for Adaptation, Conservation, Planning and Management</p> <p style="text-align: center;">Room: Aula Magna</p> <p style="text-align: center;">Session Organisers: Sima Fakheran, <i>Vice President of IALE-International, President of IALE-Iran;</i> Wenjiang Liu, <i>Executive Deputy Director of Research Center for Ecology and Environment of Central Asia (RCEECA), the Chinese Academy of Sciences (CAS);</i> Xi Chen, <i>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>
14.00-14.15	<p>T0552 Modeling Spatiotemporal Dynamics of Ecosystem Services in Zayandehroud Basin for the Last Decade (2008-2018)</p> <p>Niloofer Mehdipour Dastjerdi¹, Sima Fakheran², Claudia Canedoli³, Emilio Padoa-Schioppa⁴ ¹<i>Post-graduate Student of Environmental Science at Isfahan University of Technology,</i> ²<i>Associate Professor of Environmental Sciences at Isfahan University of Technology,</i> ³<i>Post-doc student at Università degli Studi di Milano-Bicocca · Department of Earth and Environmental Sciences,</i> ⁴<i>Associate Professor of Ecology at Università degli Studi di Milano-Bicocca · Department of Earth and Environmental Sciences</i></p>
14.15-14.30	<p>T0571 A rapid method for quantifying landscape-scale vegetation disturbances by surface coal mining in arid and semiarid regions</p> <p>Qun Ma¹, Chunyang He², Xuening Fang² ¹<i>Shanghai Normal University,</i> ²<i>Beijing Normal University)</i></p>
14.30-14.45	<p>T0600 The impact of historic land-clearing on the fire-response of an endangered bird species</p> <p>Simon J Verdon¹, Michael F Clarke¹, Simon J Watson¹ ¹<i>La Trobe University</i></p>
14.45-14.50	<p>T0618 Valuation of tradeoffs between agricultural production and ecosystem services for adaptive water resources management in the Heihe River Basin</p> <p>XiangzhengDeng¹, Zhihui Li¹ ¹<i>Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</i></p>
14.50-14.55	<p>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</p> <p>Martin Schultze¹, Christine Fürst¹ ¹<i>Institute of Geosciences and Geography/ Martin-Luther University Halle-Wittenberg</i></p>

Friday, 5 July 2019

14.00-15.15	<p align="center">Symposium 47 - Biophysical Methods for the Quantification, Mapping and Assessment of Ecosystem Services</p> <p align="center">Room: U6 - 03</p> <p align="center">Session Organisers: Bastian Steinhoff-Knopp¹, Benjamin Burkhard^{1,1}<i>Leibniz Universität Hannover</i></p>
14.00-14.15	<p>T0443 Ecosystem services of German landscapes Karsten Grunewald¹, Ralf-Uwe Syrbe², Ulrich Walz³, Sophie Meier², Burkhard Schweppe-Kraft^{4,1}<i>Leibniz Institute of Ecological Urban and Regional Development, ²IOER, ³HTW Dresde, ⁴BfN</i></p>
14.15-14.30	<p>T0504 A cumulative indicator for mapping recreational ecosystem services supply and demand in Germany. Johannes Hermes¹, Christian Albert¹, Christina von Haaren^{1,1}<i>Leibniz University Hannover, Institute of Environmental Planning</i></p>
14.30-14.45	<p>T0613 Lowland riparian hardwood forests – regulating services of the European remnants Andrzej Affek¹, Anna Kowalska¹, Ewa Kołaczowska¹, Bogusława Kruczkowska², Edyta Regulska¹, Jacek Wolski^{1,1}<i>Institute of Geography and Spatial Organization, Polish Academy of Sciences, ²Faculty of Agriculture and Biology, Warsaw University of Life Sciences</i></p>
14.45-15.00	<p>T0664 Identification of hotspots and bundles of forest ecosystem services in Europe Francesco Orsi¹, Davide Geneletti^{1,1}<i>University of Trento</i></p>
15.00-15.15	<p>T0822 Impacts of forest management on ecosystem services: reliable projections require fine-scale information on landscape characteristics Anu Akujärvi¹, Anna Repo¹, Altti Akujärvi², Aleksi Lehtonen³, Jari Liski^{1,1}<i>Finnish Environment Institute, ²VTT Technical Research Centre of Finland, ³Natural Resources Institute Finland</i></p>

Friday, 5 July 2019

14.00-14.15	<p align="center">Symposium 43 - Planning with nature for sustainable landscape development: lessons-learned from around the world</p> <p align="center">Room: U6 - 02</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>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) Silvia Ronchi¹, Andrea Arcidiacono¹, Laura Pogliani^{1,1}<i>Politecnico di Milano - Department of Architecture and Urban Studies (INRA), Université Bourgogne Franche-Comté, F-21000 Dijon, France, ²Agroécologie–Plateforme GenoSol, BP 86510, F-21000 Dijon, France, ³Femto-ST Institute, Univ. Bourgogne Franche-Comté/CNRS Besançon – France, ⁴IRD, Sorbonne Université, UMMISCO, F-93143, Bondy, France</i></p>

Friday, 5 July 2019

14.00-15.00	
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	<p>Symposium 38 - 3-D landscape metrics and visualization techniques - applications in spatial planning, environmental assessment and participatory decision processes</p> <p>Room: U6 - 06</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>T0605 Human-wildlife interactions in peri-urban areas: does the 3D fingerprint of the landscapes matter?</p> <p>Ileana Pătru-Stupariu¹, Mihai Mustăţea¹, Alin-Ionuţ Pleşoianu¹, Martin Schultze², Mihai-Sorin Stupariu¹, Christine Fürst² ¹<i>University of Bucharest</i> ²<i>Martin Luther University Halle-Wittenberg</i></p>
14.15-14.30	<p>T0393 The role of 3D metrics in landscape divisions and their practical significance in environmental protection</p> <p>Marta Kubacka¹, Sylwia Bródka¹, Andrzej Macias¹ ¹<i>Adam Mickiewicz University, Department of Landscape Ecology</i></p>
14.35-14.40	<p>T0629 Analyzing urban thermal environment corresponding to the 3D urban spatial pattern</p> <p>Fanhua Kong¹, Jiayu Chen¹, Haiwei Yiin² ¹<i>International Institute for Earth System Science (ESSI), Nanjing University</i>, ²<i>School of Architecture and Urban Planning, Nanjing University</i></p>
14.40-14.45	<p>T0763 Three-dimensional Point Cloud Data Based Eye-level Urban Greenery Assessment and Greening Simulation Model</p> <p>Han Kyul Heo¹, Dong Kun Lee¹, Yoon-hee Jeung², Ho Gul Kim³ ¹<i>Seoul National University</i>, ²<i>Research Institute for Gangwon</i>, ³<i>Cheongju University</i></p>
14.45-15.00	<p>T0943 Innovative design and inventory technologies in historical urban complex on the example of terraced of terraced landscape in a UNESCO protected area.</p> <p>Dagmara Pasinska¹, Wojciech Rydlewicz² ¹<i>Institute of Architecture and Urban Planning, Technical University of Lodz</i>, ²<i>Softdesk Systems Centre</i></p>

Friday, 5 July 2019

14.00-14.45	<p>Symposium 41 - Ecology, water and the city: strengthening water-sensitive planning with Nature-Based Solutions in urban contexts</p> <p>Room: U6 - 03</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>T0147 Watersigns. Memories of water and urban design strategies</p> <p>Sebastiano D'Urso¹ ¹<i>Department of Civil Engineering and Architecture. University of Catania</i></p>
14.15-14.30	<p>T0852 Mapping Water</p> <p>Gioia Gibelli¹, Luca Dorbolò¹, Viola Maria Dosi¹, Caterina Selva¹ ¹<i>STUDIO Gioia Gibelli</i></p>
14.30-14.45	<p>T0297 The research on the application of water sensitive urban design in sponge city construction of China</p> <p>Zhufang Wang¹, Yinjiang Zhang¹ ¹<i>Shanghai Ocean University</i></p>

Friday, 5 July 2019

14.00-14.45	<p>Symposium 73 - Adaptive barrier management at times of climate change:</p>
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	<p style="text-align: center;">delivering Europe's first Atlas of river barriers</p> <p style="text-align: center;">Room: U6 - 10</p> <p style="text-align: center;">Session Organisers: Andreas Aagaard Christensen¹, Veerle Van Eetvelde², Anna Hersperger³, Terry Marsden⁴, Matthias Buchecker⁵; ¹University of Copenhagen, Department of Geosciences and Natural Resource Management; ²University of Ghent, Department of Geography, Landscape Research Unit; ³Swiss Federal Research Institute WSL, Land Change Science Research Unit; ⁴Cardiff University, School of Geography and Planning; ⁵Swiss Federal Research Institute WSL, Social Sciences in Landscape Research Unit</p>
14.00-14.15	<p>T0433 Politics of Nature – Development of a participatory framework for water allocation, -trade and -ethics in the Western Cape Province, South Africa</p> <p>Jakob Raffn¹, Morten Graversgaard¹, Tommy Dalgaard¹ ¹Aarhus University - Department of Agroecology</p>
14-15.14.30	<p>T0563 Deriving more generally applicable knowledge from multiple-case data: an example from strategic spatial planning processes</p> <p>Anna M. Hersperger¹, Simona R. Gradinaru², Eduardo Oliveira³, Sofia Pagliarin⁴, Gaëtan Palka⁵ ¹Swiss Federal Research Institute WSL, ²University of Bucharest, ³Université catholique de Louvain, ⁴Bamberg University, ⁵CNRS Rennes</p>
14.30-14.45	<p>T0961 Exploring the concept of problem framing as a basis to understand actors' preparedness to implement landscape management decisions</p> <p>Matthias Buchecker¹, Raphael Gaus¹ ¹Swiss Federal Research Institute WSL</p>

Friday, 5 July 2019	
14.00-15.20	<p style="text-align: center;">Symposium 35 - Planning and design for sustainable and healthy cities: mainstreaming urban ecological measures beyond demonstration projects</p> <p style="text-align: center;">Room: U6 - 13</p> <p style="text-align: center;">Session Organisers: Ina Saumel¹, ¹TU Berlin, Federica Larcher², ²University of Turin, Dept. Agricultural, forest and food sciences</p>
14.00-14.15	<p>T0800 Dynamic planning of adaptation technologies across sectors using multi-objective optimization for Suwon-city</p> <p>Jung Hee Hyun¹, Dong Kun Lee¹, Chae Yeon Park¹ ¹Seoul National University, Interdisciplinary Program in Landscape Architecture</p>
14-15.14.30	<p>T0667 Creative tensions in City Teams: Bringing together conflictious stakeholder for successful urban transformation Reddy Suhana Elisabeth</p>
14.30-14.45	<p>T0065 Opportunities and Challenges of Forest Landscape Restoration (FLR) in Latin America and the Caribbean</p> <p>James McBreen¹ ¹International Union for Conservation of Nature (IUCN)</p>
14.45-14.50	<p>T0020 Spatial interaction between urbanization and ecosystem services: a case study of the Changsha-Zhuzhou-Xiangtan urban agglomeration in China</p> <p>Xiao Ouyang¹ ¹hunan normal university</p>
14.50-14.55	<p>T0060 Strategic Urban Ecosystem Planning in a Changing Climate: Growing the Resilient Urban Forest Today for the Sustainable and Healthy City of Tomorrow</p> <p>Naomi Zürcher¹ ¹Arbor Aegis / European Forum on Urban Forestry</p>
14.55-15.00	<p>T0212 The Rieselfeld district in Freiburg: promoting sustainable urbanisation and resilience leveraging on green blue infrastructure</p> <p>Maria-Beatrice Andreucci¹ ¹Sapienza University of Rome, Planning Design Technology of Architecture Department</p>
15.00-15.05	<p>T0339 Potential of new urban greenery areas in the context of present and future global challenges.</p>

	Ingrid Belčáková ¹ , Martina Slámová ² ¹ <i>Technical University in Zvolen, Faculty of Ecology and Environmental Sciences, Dpt. of UNESCO for Sustainable Development and Ecological Awareness,</i> ² <i>Technical University in Zvolen, Faculty of Ecology and Environmental Sciences, Dpt. of Landscape Planning and Design</i>
15.05-15.10	T0440 Urban farming, productive green space, local food system, community foodshed, Tokyo Jan Macháč ¹ , Jan Brabec ¹ , Petr Meyer ² , Jiří Louda ¹ ¹ <i>J. E. Purkyne University in Usti nad Labem, Czech Republic, Institute for Economic and Environmental Policy,</i> ² <i>J. E. Purkyne University in Usti nad Labem, Czech Republic, Faculty of Science</i>
15.10-15.15	T0498 Assessment of the structural connectivity of green spaces to identify stepping stones for garden city development of Quezon City, Philippines Aicel Mae Alvarez ¹ , Nappy Navarra ¹ ¹ <i>College of Architecture, University of the Philippines</i>
15.15-15.20	T0616 An innovative approach to Floating Islands as multifunctional devices for ecosystem services provision Cleandho M. de Souza ¹ , Paulo Renato Mesquita Pellegrino ¹ ¹ <i>University of Sao Paulo</i>

Friday, 5 July 2019

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

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15:30 –
16:00

CONGRESS CLOSING