

| July 7 (Wednesday), 2021 | | |
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| Room 1 | | Opening Ceremony and Plenary Session I |
| 10.00 – 10.15 | | Welcome addresses and opening plenary session |
| 10.15 – 10.40 | K.1. | City love and place quality: assessment of livable neighborhoods in cities <i>Peter Nijkamp, Karima Kourtit, U. Turk, Mia Wahlstrom</i> |
| 10.40 – 11.05 | K.2. | Cities as shared habitats of people, plants and animals: key challenges for urban biodiversity conservation <i>Ingo Kowarik</i> |
| 11.05 – 11.15 | | Discussion |

| | A | Symposium GREEN INFRASTRUCTURE FOR URBAN AREAS |
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| Room 1 | A.1. | Concept & Planning of the Urban Green Infrastructure <i>Chair: Daniele la Rosa</i> |
| 11.30 – 11.40 | A.1.1. | Green infrastructure operationalization: A systematic review on the procedural aspects from a decade of research <i>Simeon Vaño, Martina van Lierop, Stephan Pauleit, Peter Mederly</i> |
| 11.40 – 11.50 | A.1.2. | Ecological network analysis of a metabolic urban system based on input-output tables: Model development and case study for the city of Vienna <i>Oleksandr Galychyn, Brian Fath, Elvira Buonocore, Pier Paolo Franzese</i> |
| 11.50 – 12.00 | A.1.3. | Is the green infrastructure considered as the development asset of Polish medium-sized cities? <i>Renata Giedych, Barbara Szulczewska, Paulina Legutko-Kobus, Agata Cieszewska, Joanna Adamczyk-Jabłońska</i> |
| 12.00 – 12.10 | A.1.4. | Built environment factors effecting urban biodiversity and its planning strategies-case study in blocks along Century Avenue, Pudong New District, Shanghai, China <i>Jing Gan, Guangpu Guo</i> |
| 12.10 – 12.20 | A.1.5. | Planning for cultural Ecosystem Services in socialist and post-socialist Zagreb, Croatia <i>Neven Tandarić, Christopher D. Ives, Charles Watkins</i> |
| 12.20 – 12.30 | A.1.6. | Side effects of instruments for land value capture on urban densification and expansion <i>Eliška Vejchodská</i> |
| 12.30 – 12.40 | A.1.7. | The Hellenic garden. A worldwide brand of climate-wise cultural landscaping approach in urban spaces <i>Nikolaos Thymakis, Julia Neratzia Tzortzi</i> |
| 12.40 – 13.00 | | Discussion |
| Room 1 | A.2. | Urban Green Infrastructure Planning and Governance for Better Living: Strategies and Tools <i>Chairs: Martina van Lierop, Teresa Zölch, Sabrina Erlwein, Stephan Pauleit</i> |
| 14.00 – 14.10 | A.2.1. | Impact assessment of nature-based solutions upscaling strategies at the city scale: a case study <i>Maria Susana Orta-Ortiz, Davide Geneletti</i> |
| 14.10 – 14.20 | A.2.2. | Let's make our cities greener: integration of participatory approaches in strategies and concepts for urban green infrastructure in the federal system of Germany <i>Arne Kunkel</i> |

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| 14.20 – 14.30 | A.2.3. | Integration of climate adaptation measures in planning processes – A practice-oriented research approach <i>Andreas Putz, Simone Linke</i> |
| 14.30 – 14.40 | A.2.4. | On a path to urban green infrastructure? Changes in green space planning approach in selected European cities between 2014 and 2020 <i>Rieke Hansen, Marleen Buizer, Arjen Bujs, Stephan Pauleit</i> |
| 14.40 – 14.50 | A.2.5. | Proposal of planning standards for green public spaces as a tool supporting sustainable development of housing estates. The example of Wrocław, Poland <i>Justyna Rubaszek, Janusz Gubański</i> |
| 14.50 – 15.00 | A.2.6. | Public's concerns about zonal urban plans: a focus on urban green spaces <i>Andreea Raluca Slave, Cristian Iojă, Constantina Alina Hossu, Simona Raluca Grădinaru</i> |
| 15.00 – 15.10 | A.2.7. | A ride through four landscapes. Creating Urban Green Infrastructure by regenerating the Old Piacenza Railway Route <i>Elena Persico, Julia Nerantzia Tzortzi, Rita Maria, Cristina Luigia Musacchio</i> |
| 15.10 – 15.30 | Discussion | |
| Room 1 | A.3. | Assessment & Use of the Urban Green Infrastructure I Chair: Tomasz Bergier |
| 15.45 – 15.55 | A.3.1. | Park availability, accessibility, and attractiveness concerning the least and most vulnerable inhabitants <i>Magdalena Biernacka, Edyta Łaszkiwicz, Jakub Kronenberg</i> |
| 15.55 – 16.05 | A.3.2. | The value of urban nature for health and well-being: An empirical study in three Central European cities <i>Ralf-Uwe Syrbe, Ina Neumann, Karsten Grunewald, Patrycja Brzoska, Jiří Louda, Birgit Kochan, Jan Machač, Lenka Dubová, Petr Meyer, Jan Brabec, Olaf Bastian</i> |
| 16.05 – 16.15 | A.3.3. | Green areas use during a lockdown in Croatia caused by a Covid-19 pandemic <i>Ana Marija Marin, Martina Kičić, Dijana Vuletić, Silvija Krajer Ostoić</i> |
| 16.15 – 16.25 | A.3.4. | Urban informal parks. The attractiveness of Warsaw wastelands in their user's eyes <i>Beata Gawryszewska, Maciej Łepkowski, Ryszard Nejman, Anna Wilczyńska</i> |
| 16.25 – 16.35 | A.3.5. | Socio-cultural assessment of ecosystem services around green spaces in the rural-urban gradient of Bengaluru, India <i>Pramila Thapa, Mario Torralba, Dhanya B., Tobias Plieninger</i> |
| 16.35 – 16.45 | A.3.6. | Socio-spatial analysis of distribution and accessibility of Vienna's Municipal Parks <i>Christoph Elbl, Angela Hof</i> |
| 16.45 – 16.55 | A.3.7. | 10 years of Green Infrastructure research: A review on strategies and tools to support its operationalisation <i>Martina van Lierop, Simeon Vano, Stephan Pauleit</i> |
| 16.55 – 17.15 | Discussion | |
| Room 1 | A.4. | Assessment & Use of the Urban Green Infrastructure II Chairs: Doris Damyanovic & Martin Sauerwein |
| 17.30 – 17.40 | A.4.1. | Patterns of green infrastructure use in cities using Social Media <i>Gabrielė Zabelskytė, Nadja Kabisch, Žaneta Stasiškiene</i> |

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| 17.40 – 17.50 | A.4.2. | Investigating park visitors' perception and vegetation preferences with the help of a photo-based mobile application survey method <i>Ronald András Kolcsár, Jürgen Breuste, Péter Szilassi</i> |
| 17.50 – 18.00 | A.4.3. | Planning and governance for sustainable climate-resilient public Open spaces and streetscapes <i>Doris Damyanovic, Philipp Reisinger, Karl Grimm, Florian Reinwald</i> |
| 18.00 – 18.10 | A.4.4. | Assessing urban ecological space's resilience based on ecosystem service supply and demand matching: taking Shanghai as an example <i>Haixing Meng, Qingji Shen</i> |
| 18.10 – 18.20 | A.4.5. | Green and blue infrastructure as part of a landscape strategy for innovating municipal spatial planning in Portugal <i>Rosário Oliveira, Filomena Farinhas</i> |
| 18.20 – 18.30 | A.4.6. | Where is the forest core area? A gradient of flora in the ecotone of the urban forests <i>Beata Fornal-Pieniak, Damian Łowicki, Axel Schwerk, Junxiang Li</i> |
| 18.30 – 18.40 | A.4.7. | Ecosystem services provided by urban forests in the Southern Caucasus region: a modeling study in Tbilisi, Georgia <i>Levan Alpaidze, Rocco Pace</i> |
| 18.40 – 19.00 | Discussion | |

| | B | Symposium BIODIVERSITY & NATURE PROTECTION IN URBAN AREAS |
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| Room 2 | B.1. | Urban Protected Areas in Relation to Urban Biodiversity and Ecosystem Services <i>Chair: Jürgen Breuste</i> |
| 11.30 – 11.40 | B.1.1. | Global problems and perspectives of urban protected areas <i>Jürgen Breuste, Cristian Iojă, Junxiang Li, Myla Aronson, Amy Hahs, Sarel Cilliers, Henry Garay Sarasti, Mihai Razvan Niță</i> |
| 11.40 – 11.50 | B.1.2. | Nature protection becomes urban – a European perspective <i>Jürgen Breuste</i> |
| 11.50 – 12.00 | B.1.3. | Plant species richness and abundance are influenced by land-use types in the urban areas <i>Junxiang Li, Meng Wang</i> |
| 12.00 – 12.10 | B.1.4. | Insights about the urban protected areas in Romania <i>Athena Gârjoabă, Cerasella Crăciu, Alexandru-Ionuț Petrișor, Cristian Iojă</i> |
| 12.10 – 12.20 | B.1.5. | Ecosystem services of urban woodland: A review <i>Xinyue Hu, Jürgen Breuste</i> |
| 12.20 – 12.30 | B.1.6. | Outdoor recreation participation in Istanbul, Turkey: an investigation of frequency, length, travel time and activities <i>Meryem Hayir Kanat, Jürgen Breuste</i> |
| 12.30 – 13.00 | Discussion | |
| Room 2 | B.2. | Urban Wild Life Habitats I <i>Chair: Jing Gan</i> |
| 14.00 – 14.10 | B.2.1. | Avian species richness declines along a tropical urbanization gradient in Bangkok (Thailand) and possible ways for mitigation <i>Phakhawat Thaweepworadej, Karl Evans</i> |
| 14.10 – 14.20 | B.2.2. | Identification and designation of critical urban wildlife habitats based on a heat map of bird species-case study of a river basin master plan in China |

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| | | <i>Jing Gan, Guangpu Guo, Yiyuan Tang, Peilu Zhu</i> |
| 14.20 – 14.30 | B.2.3. | Local and landscape factors influence urban ground-dwelling arthropods in non-recreational green spaces <i>Jennifer Fischer, Marcela Suarez-Rubio</i> |
| 14.30 – 14.40 | B.2.4. | Protection of ruderal vegetation habitats in post-industrial recreational areas as a way of increasing biodiversity through natural succession <i>Krzysztof Rostański</i> |
| 14.40 – 14.50 | B.2.5. | Small animals in discarded containers – understudied ecological trap in urban forests <i>Krzysztof Kolenda, Natalia Kuśmierk, Krzysztof Kujawa, Adrian Smolis, Sebastian Salata, Konrad Wiśniewski, Tomasz K. Maltz, Mieczysław Stachowiak, Marcin Kadej</i> |
| 14.50 – 15.00 | B.2.6. | Wild mammals and urbanities: Investigating human perceptions of urban wildlife for urban planning and biodiversity conversation <i>Simon Sebastian Moesch, Jonathan Jeschke, Stephanie Kramer-Schadt, Tanja Maria Straka, Dagmar Haase</i> |
| 15.00 – 15.10 | B.2.7. | Ecosystem Service of pollination. Evaluation of potential wild bee habitats in an urban area <i>Sophie Meier, Karsten Grunewald</i> |
| 15.10 – 15.30 | Discussion | |
| Room 2 | B.3. | Urban Wild Life Habitats II Chair: Katarzyna Fagiewicz |
| 15.45 – 15.55 | B.3.1. | Growing in the city: the urban evolutionary ecology of avian growth rates <i>Michela Corsini, Eva Maria Schöll, Irene Di Lecce, Marion Chatelain, Anna Dubiec, Marta Szulkin</i> |
| 15.55 – 16.05 | B.3.2. | Modernistic large housing estates in central Europe as urban refuges of floral biodiversity <i>Janina Borysiak, Jürgen Breuste, Andrzej Mizgajski</i> |
| 16.05 – 16.15 | B.3.3. | Biodiver-City responses to urbanization: a multi-taxon approach in a coastal Mediterranean city <i>Olga Tzortzakaki, Vassiliki Kati, Eleni Papadatou, Maria Panitsa, Sinos Giokas</i> |
| 16.15 – 16.25 | B.3.4. | Integrated nesting aids into façades for wild bees – a case study in Stuttgart, Germany <i>Linda Meier, Philip Leistner</i> |
| 16.25 – 16.35 | B.3.5. | Bees beneath your feet: Urban sidewalks as novel urban ecosystems and habitat for aculeate insects <i>Sophie Lokatis, Claudia Weber, Jonathan Jeschke</i> |
| 16.35 – 16.45 | B.3.6. | The biogeophysical and socioeconomic drivers of biodiversity across metropolitan areas in North Carolina, USA <i>Sara Gagné, Christopher Dumas, Nikhil Kaza, Rachael Urbanek</i> |
| 16.45 – 16.55 | B.3.7. | Animal-aided design-bridging the gap between landscape architecture and conservation <i>Wolfgang W. Weisser, Thomas Hauck</i> |
| 16.55 – 17.15 | Discussion | |
| Room 2 | B.4. | Birds in Urban Ecosystems Chair: Péter Batáry |
| 17.30 – 17.40 | B.4.1. | Bird functional traits under urbanization – a meta-analysis |

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| | | <i>Tamás Lakatos, Dávid Korányi, Péter Batáry, Daniel Edward Chamberlain</i> |
| 17.40 – 17.50 | B.4.2. | Changes in bird communities of different types of green infrastructures along an urbanization gradient <i>Dávid Korányi, Róbert Gallé, Bettina Donkó, Dan Chamberlain, Péter Batáry</i> |
| 17.50 – 18.00 | B.4.3. | Multiscale effects of habitat and surrounding built-up areas on waterbird diversity in the Yangtze River Floodplain <i>Boyu Gao, Peng Gong, Wenyuan Zhang, Jun Yang, Yali Si</i> |
| 18.00 – 18.10 | B.4.4. | Non-linearities in birds responses across urbanization gradients: a meta-analysis <i>Péter Batáry, Kornelia Kurucz, Marcela Suarez-Rubio, Dan E. Chamberlain</i> |
| 18.10 – 18.20 | B.4.5. | Our parks – hotspots or ecological traps for songbird migration? A bioacoustic approach employing Blackbird (<i>Turdus merula</i>) male songs. <i>Andreea Ciobota, Mihaela Ciobota, Dumitru Murariu</i> |
| 18.20 – 18.30 | B.4.6. | Urban habitats in the landscape of Kochi city established from bird species distribution <i>Abin Joseliph, Samson Davis Padayatty</i> |
| 18.30 – 19.00 | Discussion | |
| Room 4 | B.5. | Social Awareness Towards Urban Nature Chair: Cigdem Coskun Hepcan |
| 17.30 – 17.40 | B.5.1. | How might biodiversity in cities stimulate education, and can we map this potential? <i>Laurence Jones, Sally Andersen, N. Bachiller-Jareno, M. Hedblom, G. Levin, J. Læssøe, F. Mårtensson, R. Lovell</i> |
| 17.40 – 17.50 | B.5.2. | Perception of the urban park biodiversity by their users <i>Janina Borysiak, Małgorzata Stępniewska</i> |
| 17.50 – 18.00 | B.5.3. | The human perception of the bird biodiversity that inhabits a neotropical city <i>Gabriela Rosa Graviola, Milton Cezar Ribeiro, Joao Carlos Pena</i> |
| 18.00 – 18.10 | B.5.4. | Determine the biodiversity and nature awareness of college students: the case of Evka 3 (Izmir-Turkey) <i>Cigdem Coskun Hepcan, Jurgen Breuste, Aybüke Cangüzel</i> |
| 18.10 – 18.20 | B.5.5. | Enhancing human-nature interactions through wild food foraging on public urban green spaces <i>Christoph Schunko, Anjoulie Brandner</i> |
| 18.20 – 18.30 | B.5.6. | The relationship between knowing and liking for 91 urban animal species among students <i>Fabio Sweet, Wolfgang Weisser, Peter Noack, Thomas Hauck</i> |
| 18.30 – 19.00 | Discussion | |

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| | C. | Symposium NATURE-BASED SOLUTIONS FOR CITIES |
| Room 3 | C.1. | Concepts towards Nature-Based Solutions Chair: Iwona Zwierzchowska |
| 11.30 – 11.40 | C.1.1. | Nature-Based Solutions as an ideal tool and the answer to a wide range of challenges arising from global climate change, starting with |

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| | | informal settlements in developing countries to the Global North cities <i>Agnieszka Dudzinska-Jarmolinska, Solhanlle Bonilla, Ivana Harari, Ricardo Gacitua, Michael Klafft</i> |
| 11.40 – 11.50 | C.1.2. | Vulnerability, Multifunctionality, and Sustainability: Co-creation of an integrated multi-criteria decision approach for nature-based solutions <i>David Camacho, Johannes Langemeyer, Gara Villalba Mendez</i> |
| 11.50 – 12.00 | C.1.3. | A new evaluation framework for Nature-Based Solutions (NBS) projects based on the application of performance questions and indicators approach <i>Barbara Sowińska-Świerkosz, Joan Garcia</i> |
| 12.00 – 12.10 | C.1.4. | Green Belt Independencia as a strategy to strengthen social-ecological peripheries in Lima, Peru <i>Taícia Helena Negrin Marques, Anna Zucchetti</i> |
| 12.10 – 12.20 | C.1.5. | Socio-ecological networks as an opportunity to address nature, urban planning and human well-being challenges in cities: lessons learned from Bogota, Colombia <i>Juan David Amaya-Espinel, María Alejandra Cruz, D. Ruiz</i> |
| 12.20 – 12.30 | C.1.6. | Evaluating the sensitivity of the i-Tree Eco pollution model to different pollution data inputs: A case study from Warsaw, Poland <i>Zbigniew Szkop</i> |
| 12.30 – 12.40 | C.1.7. | Charting nature-based urbanism: Designing for and with nature for a sustainable urban planet <i>Melissa Pineda Pinto</i> |
| 12.40 – 13.00 | Discussion | |
| Room 3 | C.2. | Nature-Based Solutions for Urban Water Planning and Management <i>Chair: Kinga Krauze</i> |
| 14.00 – 14.10 | C.2.1. | Applying socio-ecological lens to blue-green solutions in cities <i>Kinga Krauze, Daria Sikorska, Renata Włodarczyk-Marciniak</i> |
| 14.10 – 14.20 | C.2.2. | Evidence of nature-based solutions for water security in the urban context: aspect, scale, and implementation <i>Riyan Habeeb, Regine Ortlepp, Wolfgang Wende</i> |
| 14.20 – 14.30 | C.2.3. | Urban dam reservoir as a source of ecosystem services for recreational fishing <i>Barbara Sowińska-Świerkosz, Jacek Rechulicz</i> |
| 14.30 – 14.40 | C.2.4. | Landcover based hydrological modeling and comparison between different urban areas, a case study in Szeged, Hungary <i>Ákos Kristóf Csete, Ágnes Gulyás</i> |
| 14.40 – 14.50 | C.2.5. | The Trentino blueprint: a resilient strategy for sustainable development of marginal territories in Alpine context <i>Sara Favargiotti, Margherita Pasquali, Chiara Chioni</i> |
| 14.50 – 15.00 | C.2.6. | Multipurpose Green infrastructure to water regulation and walkability along the urbanized valley of Mandaqui creek <i>Taícia Helena Negrin Marques, Maria Assunção Ribeiro Franco</i> |
| 15.00 – 15.30 | Discussion | |
| Room 3 | C.3. | Implementation of Nature-Based Solutions I <i>Chair: Chiara Cortinovia</i> |
| 15.45 – 15.55 | C.3.1. | Upscaling nature-based solutions for climate change adaptation: potential and benefits in three European cities <i>Chiara Cortinovia, Peter Olsson, Niklas Boke-Olén, Katarina Hedlund</i> |

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| 15.55 – 16.05 | C.3.2. | Perceptions of Nature-Based Solutions and their barriers and drivers for mainstreaming in South Korea <i>Sungju Han, Christian Kuhlicke</i> |
| 16.05 – 16.15 | C.3.3. | Applicability of nature-based solutions in different urban fabrics: a case study on urban water management in three distinctive locations <i>Antti Rehunen</i> |
| 16.15 – 16.25 | C.3.4. | Nature-Based Solutions vs. Greenwashing? Green space in developers' sales strategies – a case study of Poznań <i>Anna Gafiecka-Drozda, Agnieszka Wilkaniec, Magdalena Szczepańska</i> |
| 16.25 – 16.35 | C.3.5. | Setting the Social Impact monitoring framework for NBS: methodology, drawbacks, and measurement case study from Milan <i>Israa Mahmoud, Eugenio Morello</i> |
| 16.35 – 16.45 | C.3.6. | Nature-Based Solutions for soil remediation in urban areas: combination of biochar and nanotechnology <i>Diego Baraqaño, Rubén Forjá, Aida González, Verónica Peña, Ana Isabel Peláez, José Luis R. Gallego</i> |
| 16.45 – 16.55 | C.3.7. | FAIR management of NBS intervention related monitoring data across cities <i>Herbert Haubold, Andreas Littkopf</i> |
| 16.55 – 17.15 | Discussion | |
| Room 3 | C.4. | Implementation of Nature-Based Solutions II <i>Chair: Davide Geneletti</i> |
| 17.30 – 17.40 | C.4.1. | Simulating urban parks crowding to manage access during lockdowns <i>Davide Geneletti, Chiara Cortinovis, Linda Zardo</i> |
| 17.40 – 17.50 | C.4.2. | Socio-ecological urban river restoration to mitigate flood risk, improve the recreational potential and provide suitable habitats: lessons learned from Munich. <i>Aude Zingraff-Hamed, Gerd Lupp, Stephan Pauleit</i> |
| 17.50 – 18.00 | C.4.3. | Providing contact with nature for the young generation – a case study of kindergartens in Poznań, Poland <i>Iwona Zwierzchowska, Piotr Lupa</i> |
| 18.00 – 18.10 | C.4.4. | Play-biotopes for children's play and learning <i>Fredrika Mårtensson, Marcus Hedblom, Åsa Ode Sang</i> |
| 18.10 – 18.20 | C.4.5. | Green streets: Places for recreation during crisis time? <i>Leonie K. Fischer, Divya Gopal</i> |
| 18.20 – 18.30 | C.4.6. | Analysis of urban forest buffer zones as a tool of implementation of Nature-Based Solutions – a case study of Poznań (Poland) <i>Anna Gafiecka-Drozda, Leszek Bednorz</i> |
| 18.30 – 18.40 | C.4.7. | Nature-Based Solution applied on brownfields versus resident's feelings – a summary of the results of the first phase of the research <i>Barbara Vojvodíková, Jiří Kupka, Adéla Brázdová, Radim Fojtík</i> |
| 18.40 – 19.00 | Discussion | |

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| | D. | Symposium URBAN DEVELOPMENT & SUSTAINABILITY |
| Room 4 | D.1. | Urbanization & Sustainability <i>Chairs: Tomasz Kaczmarek & Łukasz Mięka</i> |
| 11.30 – 11.40 | D.1.1. | Environmental impacts of urbanization on the example of Slovakia <i>Zita Izakovičová, Eva Pauditšová</i> |
| 11.40 – 11.50 | D.1.2. | Everything in its right place? On the spatial dimension of biophilic and biophobic developments in cities |

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| | | <i>Thilo Wellmann, Dagmar Haase</i> |
| 11.50 – 12.00 | D.1.3. | Moscow urban growth pattern: sprawl or not? <i>Dmitry Boyko</i> |
| 12.00 – 12.10 | D.1.4. | Towards sustainable urban communities: a composite spatial accessibility assessment for residential suitability based on network Big Data <i>Tao Lin, Y. Zhao, G. Zhang, H. Ye, X. Liu, J. Liu, M. Lin</i> |
| 12.10 – 12.20 | D.1.5. | Parks in context: Advancing citywide spatial quality assessments of urban green spaces using fine-scaled indicators <i>Roland Kraemer, Nadja Kabisch</i> |
| 12.20 – 12.30 | D.1.6. | Analysis of the visibility and signal strength of the LoRaWAN network in an urbanized area on the example from the campus of the Nicolaus Copernicus University in Toruń <i>Dominika Karpińska, Mieczysław Kunz</i> |
| 12.30 – 12.40 | D.1.7. | Evolution of Spatial Relationship Between Natural Protected Areas and Provincial Capital Cities in China (2000-2018) <i>Lin Yuan</i> |
| 12.40 – 13.00 | Discussion | |
| Room 4 | D.2. | Eco-Cities – Planning, Design, Development and Management Practice Chairs: Cigdem Coskun Hepcan & Jürgen Breuste |
| 14.00 – 14.10 | D.2.1. | Which role plays wild spaces in green cities? User and management perspectives in the green city Salzburg, Austria <i>Jürgen Breuste</i> |
| 14.10 – 14.20 | D.2.2. | Alley Activation as a Practical Neighborhood Sustainability Strategy: Integrating Green Energy, Rainwater Harvesting and Community-Driven Placemaking in Detroit <i>Paul Draus, Jacob Napieralski, Christopher Pannier, Korey Batey</i> |
| 14.20 – 14.30 | D.2.3. | How tree canopy affects the air quality of cities: the case of Karsiyaka (Izmir-Turkey) <i>Cigdem Coskun Hepcan, Serif Hepcan</i> |
| 14.30 – 14.40 | D.2.4. | Linear parks as nature-based recreation areas in metropolis cities. A case study of Istanbul <i>Meryem Hayir-Kanat, Jürgen Breuste</i> |
| 14.40 – 14.50 | D.2.5. | The role of eco-city projects in the transformation of practices and institutions on stormwater – learning from existing experiences in Linz (Austria) and Toulouse (France) <i>Marc Gimenez-Maranges, Jürgen Breuste, Angela Hof</i> |
| 14.50 – 15.00 | D.2.6. | Ecosystem services of urban parks: the case of Evka 3 (Izmir-Turkey) <i>Cigdem Coskun Hepcan, Aybuke Canguzel, Jürgen Breuste, Serif Hepcan</i> |
| 15.00 – 15.30 | Discussion | |
| Room 4 | D.3. | Urban Ecology in the Context of Sustainability Transformations – from Concepts to Interventions Chairs: Martina Artmann, Christopher D. Ives, Markus Egermann |
| 15.45 – 15.55 | D.3.1. | Human-nature resonance – a relational approach to inform sustainable urban transformation <i>Martina Artmann</i> |
| 15.55 – 16.05 | D.3.2. | What the Global North needs to know about Urban Ecology in the Global South <i>Marie Du Toit, Sarel Cilliers, Charlie Shackleton, Elandrie Davoren</i> |

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| 16.05 – 16.15 | D.3.3. | The role of spatial planning in fostering urban development and nature conservation <i>Beatriz Pierri Daunt, Luis Inostroza, Anna Hersperger</i> |
| 16.15 – 16.25 | D.3.4. | Collaborative decision-making in natural resource management conflicts. Evidence from Romania <i>Constantina Alina Hossu, Cristian Iojă, Mihai Niță</i> |
| 16.25 – 16.35 | D.3.5. | Interdisciplinarity and co-design in Urban Sustainability Transformations <i>Kerstin Krellenberg</i> |
| 16.35 – 16.45 | D.3.6. | Urban ecology and sustainability transformations: Mapping the road ahead <i>Christopher D. Ives</i> |
| 16.45 – 17.15 | Discussion | |

| July 8 (Thursday) 2021 | | |
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| Room 1 | | Plenary Session II |
| 9.00 – 9.25 | K.3. | The ecosystem promise: guidelines for its implementation in policy and practice <i>Rudolf de Groot</i> |
| 9.25 – 9.50 | K.4. | Listening to the trees: A recent narrative about the power of urban forests as nature-based social-ecological solutions in cities and the risks they face <i>Daqmar Haase</i> |
| 9.50 – 10.00 | Discussion | |

| | A | Symposium GREEN INFRASTRUCTURE FOR URBAN AREAS (follow up) |
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| Room 1 | A.5. | Urban Green Infrastructure Planning for Climate Adaptation: Tools and Data for Decision-Support <i>Chairs: Sabrina Erlwein, Teresa Zölch, Martina van Lierop, Stephan Pauleit</i> |
| 10.15 – 10.25 | A.5.1. | Urban green in densifying cities: joint assessment of microclimate regulation on city and block level <i>Sabrina Erlwein, Teresa Zölch, Stephan Pauleit</i> |
| 10.25 – 10.35 | A.5.2. | Identifying suitable policy instruments to promote nature-based solutions in cities: a decision tree approach <i>Davide Longato, Chiara Cortinovia, Mario Balzan, Davide Geneletti</i> |
| 10.35 – 10.45 | A.5.3. | Assessment of the multiple benefits of nature-based solutions – an approach <i>Niklas Dahlberg, Mikko Huokuna, Mikko Sane, Mika Marttunen</i> |
| 10.45 – 10.55 | A.5.4. | Integrating heatwaves vulnerability modeling and participatory scenario building in support of green infrastructure planning and urban sustainability <i>Lenka Suchá, Simeon Vaňo, Jan Geletič, Petr Bašta, Martin Jančovič, Helena Duchková, Eliška Krkoška Lorencová</i> |
| 10.55 – 11.05 | A.5.5. | Mapping urban pervious surfaces and tree canopy cover by using high-resolution airborne imagery to support urban planning. <i>Anna Codemo, Angelica Pianegonda, Marco Ciolli, Sara Favargiotti, Rossano Albatici</i> |

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| 11.05 – 11.15 | A.5.6. | Public perception of outdoor thermal comfort and urban green infrastructure in a humid sub-tropical city <i>Sana Javaid, Stephan Pauleit</i> |
| 11.15 – 11.45 | Discussion | |
| Room 1 | A.6. | Society & Urban Ecosystems I <i>Chairs: Piotr Matczak & Krzysztof Mączka</i> |
| 12.15 – 12.25 | A.6.1. | Greening space – designing with the citizens the post-socialist cities towards increasing the availability and attractiveness of greenery outside urban parks <i>Renata Włodarczyk-Marciniak, Daria Sikorska, Agnieszka Kretek-Kamińska, Aneta Krzewińska, Kinga Krauze</i> |
| 12.25 – 12.35 | A.6.2. | Developing an Environmental Justice Index in urban areas to prioritize the implementation of nature-based solutions: the case study in Las Palmas de Gran Canaria <i>Jarumi Kato Huerta, Davide Geneletti</i> |
| 12.35 – 12.45 | A.6.3. | Quantifying the quality and detecting social inequality of urban parks in the Prosperous and Deprived Zones of Tabriz, Iran <i>Akbar Rahimi, Jürgen Breuste, Mahsa Tarashkar</i> |
| 12.45 – 12.55 | A.6.4. | School greening: right or privilege? Assessing urban nature within and around primary schools of Barcelona from an environmental justice lens <i>Francesc Baró, David Camacho, Carmen Pérez del Pulgar, Margarita Triguero-Mas, Isabelle Anguelovski</i> |
| 12.55 – 13.05 | A.6.5. | A methodological framework for assessing the equity in planning urban parks <i>Diana Andreea Onose, Athanasios Alexandru Gavrilidis, Simona R. Grădinaru, Gabriel Ovidiu Vânău, Ana Maria Popa, Andreea Raluca Slave</i> |
| 13.05 – 13.45 | Discussion | |
| Room 1 | A.7. | Society & Urban Ecosystems II <i>Chairs: Jakub Kronenberg & Akbar Rahimi</i> |
| 14.45 – 14.55 | A.7.1. | Insights of the relation between urban green infrastructure and self-perceived health of residents <i>Diana Andreea Onose, Mihai Razvan Nita, Athanasios Alexandru Gavrilidis, Ana Maria Popa, Larissa Nicoleta Stoia</i> |
| 14.55 – 15.05 | A.7.2. | Visitor's perceptions of Eynali Urban Woodland Park in the Mountain Steppe of Tabriz, Iran <i>Akbar Rahimi, Jürgen Breuste, Ramin Sabouri</i> |
| 15.05 – 15.15 | A.7.3. | Defining biodiversity: what do urban gardeners think? <i>Briony Norton, Bowen Shang, Andrew Ramsey, David Sheffield</i> |
| 15.15 – 15.25 | A.7.4. | From invasion to resilience: Social perceptions of neobiota in urban ecosystems in the context of sustainability transitions <i>Katharina Kapitza</i> |
| 15.25 – 15.35 | A.7.5. | A multi-criteria framework for assessing emerge use in socio-ecological systems <i>Oleksandr Galychyn, Izhar Shah, Elvira Buonocore, Pier Paolo Franzese</i> |
| 15.35 – 15.45 | A.7.6. | Homo Oeconomicus and self-interest or Homo Sustinens and social and environmental responsibility – incentives to resign from traveling by car in urban ecosystems (preliminary research) <i>Monika Paradowska</i> |

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| 15.45 – 15.55 | A.7.7. | Green space and mental health in Kigali city, Rwanda: An exploratory study <i>Samuel Habimana, Paul Draus, Salman Qureshi, Juliette Roddy, Emmanuel Biracyaza, Eugene Rutembesa</i> |
| 15.55 – 16.15 | Discussion | |
| Room 1 | A.8. | Urban Environmental Acupuncture – A Concept to Improve Green and Blue Infrastructure in Cities? <i>Chairs: Juliane Mathey & Anna Starzewska-Sikorska</i> |
| 16.45 – 16.55 | A.8.1. | Urban acupuncture: past, present and future potential in the transition to greener cities <i>Jessica Hemingway, Peter Wirth, Juliane Mathey</i> |
| 16.55 – 17.05 | A.8.2. | Application of urban environmental acupuncture in European cities – first results of SALUTE4CE project <i>Justyna Gorgoń, Anna Starzewska-Sikorska</i> |
| 17.05 – 17.15 | A.8.3. | Estimating the cooling effect of pocket green space in high-density urban areas in Shanghai, China <i>Caiyan Wu, Junxiang Li</i> |
| 17.15 – 17.25 | A.8.4. | Small-scale nature-based solutions cooling the neighborhood. Case study of preschools' gardens in Poznań <i>Piotr Lupa, Iwona Zwierzchowska</i> |
| 17.25 – 17.35 | A.8.5. | "Futureproofing Luton": Engaging local stakeholder partners in co-producing an Air Quality Arboretum-meadow <i>Helen E. Hoyle, William Cottrill</i> |
| 17.35 – 17.45 | A.8.6. | Implementation of green acupuncture concept to environmental education for primary and lower-secondary schools <i>Barbara Vojvodikova, Jiri Kupka, Adela Brazdova</i> |
| 17.45 – 18.15 | Discussion | |

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| | D. | Symposium URBAN DEVELOPMENT AND SUSTAINABILITY (follow up) |
| Room 2 | D.4. | Local Climate in Cities <i>Chair: Junxiang Li</i> |
| 10.15 – 10.25 | D.4.1. | Impacts of air temperature and its extremes on human mortality in Shanghai, China <i>Xing Bi, Caiyan Wu, Chunfang Wang, Yong Wang, Xiaobao Wang, Conghe Song, Junxiang Li, Chen Fu</i> |
| 10.25 – 10.35 | D.4.2. | Quantifying thermal comfort on five urban squares in a temperate climate in contrasting climatic conditions <i>Priscila Weruska Stark da Silva, Stephan Pauleit</i> |
| 10.35 – 10.45 | D.4.3. | Primary exploration about the effect of urban landscape on land surface temperature – a geographically weighted regression analysis of Nanjing <i>Xiao Wei, Xiaojun Wang, Hao Zou</i> |
| 10.45 – 10.55 | D.4.4. | Simulating the potential of urban greenery in increasing urban outdoor comfort in high-density cities <i>Daniele La Rosa</i> |
| 10.55 – 11.05 | D.4.5. | Urban Heat Island-case study in the City of Split, Croatia <i>Adriana Planinić, Lucija Kontić</i> |
| 11.05 – 11.15 | D.4.6. | Urban microclimate regulation in the City of Tyumen: Cooling Effect <i>Liliia Sulkarnaeva</i> |

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| 11.15 – 11.45 | Discussion | |
| Room 2 | D.5. | Climate Change Adaptation and Mitigation in Cities <i>Chair: Damian Łowicki</i> |
| 12.15 – 12.25 | D.5.1. | Co-creation for climate change—needs for actions to vitalize drivers and diminish barriers <i>Piotr Lupa, Paweł Churski, Katarzyna Fagiewicz, Tomasz Herodowicz, Patryk Kaczmarek, Joanna Morawska-Jancelewicz, Andrzej Mizgajski</i> |
| 12.25 – 12.35 | D.5.2. | Spatially explicit and integrated assessment of groundwater recharge and cooling by evapotranspiration <i>Harald Zepp, Maike Gessner</i> |
| 12.35 – 12.45 | D.5.3. | Crowd-mapping supporting climate action. Case study of six pilot regions in the TeRRIFICA project <i>Piotr Lupa, Paweł Churski, Katarzyna Fagiewicz, Tomasz Herodowicz, Patryk Kaczmarek, Joanna Morawska-Jancelewicz, Andrzej Mizgajski</i> |
| 12.45 – 12.55 | D.5.4. | The adoption of Performance-based Planning for setting urban design parameters against climate changes. An urban cooling application in Milano city <i>Silvia Ronchi, Stefano Salata, Andrea Arcidiacono</i> |
| 12.55 – 13.05 | D.5.5. | Forecasting the cooling potential and drought resistance of street trees by species' functional traits <i>Victoria Volke, Sonja Knapp, Uwe Schlink</i> |
| 13.05 – 13.15 | D.5.6. | Urban trees as climate messengers: communicating ecosystem services with sensors and web-app <i>Carola Helletsgruber</i> |
| 13.15 – 13.45 | Discussion | |
| Room 2 | D.6. | Dynamics of Urban Landscapes <i>Chair: Cristian Ioja</i> |
| 14.45 – 14.55 | D.6.1. | Affordable housing and densification policies. Opportunities and threads from sprawl to compaction <i>Byron Ioannou, Gregoris Kalnis, Lora Nicolau</i> |
| 14.55 – 15.05 | D.6.2. | Urban sprawl and compact development in the metropolitan region of Athens <i>Minas Angelidis</i> |
| 15.05 – 15.15 | D.6.3. | Mapping impervious surface fraction using phenology-integrated linear spectral mixture analysis based on Google Earth Engine <i>Linke Ouyang, Junxiang Li, Ji Han Kaiyun Wang, Qian Yu, Conghe Song</i> |
| 15.15 – 15.25 | D.6.4. | Quality of landscapes of small towns and its evaluation <i>Ksenia Merekalova, Alexander Karandeev, Tatiana Kharitonova, Dmitry Klimov, Lubov Belyaeva</i> |
| 15.25 – 15.35 | D.6.5. | Identification of landscape changes and its driving forces – a case study of two urban communities in Poland <i>Piotr Krajewski, Iga Solecka, Aleksandra Krzyżanek, Ada Garczyńska</i> |
| 15.35 – 15.45 | D.6.6. | Preparing for the just transition from local economies' perspective. Bełchatów Brown Coal Basin case study (central Poland) <i>Paulina Kucharska</i> |
| 15.45 – 16.15 | Discussion | |

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| Room 3 | POSTER SESSION <i>Chair: Jürgen Breuste</i> | | |
| 10.15 – 11.45 | 10.15 | P.1. | BIODIVERSITY & NATURE PROTECTION IN URBAN AREAS |

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| | – 10.35 | | Rapporteur: Damian Łowicki | |
| | | P.1.1. | Changes in the taxonomic composition of water frog populations: similar patterns in urban and rural landscapes <i>Krzysztof Kolenda, Mikołaj Kaczmarski, Joanna Żurawska, Maria Ogielska</i> | |
| | | P.1.2. | From small invertebrates to large carnivores – understanding the effect of discarded containers on animals by using data from online media <i>Monika Pawlik, Krzysztof Kolenda, Natalia Kuśmierk, Adrian Smolis, Marcin Kadej</i> | |
| | | P.1.3. | Managing public urban green spaces for increased human-wild plant interaction through urban wild food foraging <i>Anjoulie Brandner, Christoph Schunko</i> | |
| | | P.1.4. | The role of cultivated green areas and wastelands in river valleys for the protection of bee resources in urban environments <i>Anna Sobieraj-Betlińska, Lucyna Twerd</i> | |
| | | P.1.5. | Water infiltration trenches and basins as new habitats for wild bees (Apiformes) in urban ecosystems <i>Lucyna Twerd, Anna Sobieraj-Betlińska, Barbara Kilińska, Józef Banaszak</i> | |
| | | Discussion | | |
| | 10.35 – 10.55 | P.2. | CLIMATE CHANGE & GREEN INFRASTRUCTURE IN URBAN AREAS Rapporteur: Piotr Lupa | |
| | | P.2.1. | A pragmatic approach to localize and prioritize opportunity spaces for roof greening to mitigate urban heat islands – a case study for Krefeld, Germany <i>Jana Brenner, Stefan Schmidt</i> | |
| | | P.2.2. | Functional and spatial importance of historical parks in the present urban structure on the example of Lublin, Lviv, and London <i>Piotr Kulesza, Magdalena Lubiarz, Lidiya Dubis, Marek Solski, Piotr Kociuba</i> | |
| | | P.2.3. | Mechanism of urban ecological space reconstruction based on Social-Ecological System framework: A case study of Mu-Yan waterfront scenery area in Nanjing <i>Tong Zhang, Shuang Chen</i> | |
| | | P.2.4. | Optimum plantation arrangement to enhance outdoor thermal comfort in humid sub-tropical urban settings <i>Sana Javaid, Hala Mohamed, Stephan Pauleit</i> | |
| | | P.2.5. | Local strategy for adaptation to climate change and mitigation measures of the City of Tišnov <i>Jiří Schneider, Pavel Fic, Alice Kozumplíková, Ludmila Floková</i> | |
| | | Discussion | | |
| | 10.55 – 11.20 | P.3. | URBAN ENVIRONMENT & LIFE QUALITY Rapporteur: Iwona Zwierzchowska | |
| | | P.3.1. | E-participation as a creating factor of sustainable development in the smart city 3.0 concept <i>Patrycja Szarek-Iwaniuk</i> | |
| P.3.2. | | Impact of Covid-19 lockdown on air pollution in Wrocław | | |

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| | | | <i>Joanna Kamińska, Tomasz Turek</i> |
| | | P.3.3. | Soil quality as a key factor in producing vegetables for home consumption – a case study of urban allotments in Gorzów Wielkopolski (Poland) <i>Maciej Bosiacki, Leszek Bednorz, Konstancja Fedeńczak, Tomasz Górecki, Andrzej Mizgajski, Lidia Poniży, Tomasz Śpiżewski</i> |
| | | P.3.4. | Game-based learning evidence of educational ecosystem services provisioning <i>Malwina Michalik-Śnieżek Ewa Trzaskowska, Agnieszka Kułak, Szymon Chmielewski</i> |
| | | P.3.5. | Involving local residents in rainwater management <i>Jerome Champres, N. Le Nouveau, M. Degrave and M. Saulais</i> |
| | | P.3.6. | Urban grasslands soils: effect of grassland type and their location <i>Hassanali Mollashahi, Magdalena Szymura, Tomasz H. Szymura</i> |
| | | Discussion | |
| | 11.20 – 11.45 | P.4. | URBAN PLANNING & DEVELOPMENT Rapporteur: Tomasz Kaczmarek |
| | | P.4.1. | Cultural and historical landscapes as a critical element in the environmental framework of historical cities (on the example of Moscow) <i>Viacheslav Nizovtsev, Natalia Erman</i> |
| | | P.4.2. | Gene flow, ecosystem service, and urban planning in a Brazilian City <i>Franco L. Souza, Victor B. Rezende , Aline P. Lorenz</i> |
| | | P.4.3. | Spatial development as a driver of ecosystem change in the urbanized catchment: The case of Różany Strumień in Poznań, Poland <i>Daria Łechtańska</i> |
| | | P.4.4. | Spatial development of urbanized areas as a determinant of changes in the city landscape – residential areas located in the lake district case study <i>Patrycja Szarek-Iwaniuk, Adam Senetra</i> |
| | | P.4.5. | The smart city idea from a bottom-up perspective. Insights from Bydgoszcz <i>Justyna Chodkowska-Miszczyk, Agata Lewandowska</i> |
| | | P.4.6. | Is 'compact' enough? Social and ecological planning criteria for urban densification projects <i>Amelie Bauer, Sophie Duschinger</i> |
| | | Discussion | |

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| | E | Symposium FOOD PRODUCTION IN CITIES – URBAN AGRICULTURE |
| Room 3 | E.1. | Food Production in Cities – Efficiency & Potential Chair: Silvio Caputo |
| 12.15 – 12.25 | E.1.1. | How efficient is urban agriculture regarding the food-energy-water nexus? |

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| | | <i>Erica Dorr, Baptiste Grard, Kathrin Specht, Runrid Fox-Kämper, Silvio Caputo, Lidia Ponizy, Jake Hawes, Nevin Cohen, Tomasz Górecki, Benjamin Goldstein, Liliane Jean-Soro, Agnes Fargue-Lelièvre</i> |
| 12.25 – 12.35 | E.1.2. | How to measure the multiple benefits of urban agriculture: a review of multi-criteria tools for the development of a UA index <i>Silvio Caputo, Erica Dorr, Benjamin Goldstein, Jason Hawes, Kathrin Specht, Chris Blythe, Nevin Cohen, Runrid Fox-Kaemper, Liliane Jean-Soro, Agnes Lilievre, Agnes Lilievre, Agnes Lilievre, Lidia Ponizy</i> |
| 12.35 – 12.45 | E.1.3. | Business insight: Allotment gardening as a way of making money and protecting farmland concerning a new agro-friendly trend <i>Barbara Maćkiewicz, Raúl Puente Asuero</i> |
| 12.45 – 12.55 | E.1.4. | Is a city a good enough place for healthy food production? The soil quality of urban agriculture sites from Europe and the US <i>Lidia Ponizy, Leszek Bednorz, Maciej Bosiacki, Baptiste Grard, Rositsa Ilieva, Liliane Jean-Soro, Tomasz Spizewski</i> |
| 12.55 – 13.05 | E.1.5. | Estimating food production in allotment gardens. A comparative study of Germany and Poland <i>Magdalena Szczepańska, Ewa Kacprzak, Barbara Maćkiewicz</i> |
| 13.05 – 13.15 | E.1.6. | City region food self-sufficiency within functional urban areas vs. Metropolitan areas <i>Marta Sylla</i> |
| 13.15 – 13.45 | Discussion | |
| Room 3 | E.2. | Integrated System Analysis of Urban Vegetation and Agriculture Chair: Lenka Dubová (invited) |
| 14.45 – 14.55 | E.2.1. | Urban agriculture's climate change impacts come from surprising places: a life cycle assessment of three rooftop farms <i>Erica Dorr, Christine Aubry, Benoit Gabrielle</i> |
| 14.55 – 15.05 | E.2.2. | An integrated approach for assessment of benefits of Community Gardens and their contribution to wellbeing of City Dwellers, net social benefits and Members and Non-Members perception <i>Lenka Dubová, Jan Macháč, Alena Vacková, Zuzana Štorková</i> |
| 15.05 – 15.15 | E.2.3. | Food for thought: addressing urban food security risks in urban planning through urban agriculture in the Global South <i>Jorinda Steenkamp, Elizelle Juane Cilliers, Louis Gerhardus Lategan, Sarel Stephanus Cilliers</i> |
| 15.15 – 15.25 | E.2.4. | Health clinic gardens as communities of practice: stakeholders' perceptions on ecosystem services and disservices <i>Nanamhla Gwedla, Susanna Francina Cornelius, Marié J du Toit, Sarel Cilliers</i> |
| 15.25 – 15.35 | E.2.5. | Designing community forest-gardens in Budapest <i>Paloma Gonzalez de Linares</i> |
| 15.35 – 16.15 | Discussion | |
| Room 3 | E.3. | Ecological & Socio-Economic Benefits from Urban Agriculture Chair: Lidia Ponizy |
| 15.45 – 16.55 | E.3.1. | Differences in motivations and social impacts across urban agriculture types: case studies in Europe and the US <i>Caitlin K. Kirby, Kathrin Specht, Runrid Fox-Kämper, Jason K. Hawes, Nevin Cohen, Silvio Caputo, Rositsa T. Ilieva, Agnès Fargue-Lelièvre, Lidia Ponizy, Victoria Schoen, Chris Blythe</i> |
| 16.55 – 17.05 | E.3.2. | The socio-cultural benefits of urban agriculture: a scan of the literature |

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| | | <i>Rositsa Ilieva, Nevin Cohen, Maggie Israel, Kathrin Specht, Runrid Fox-Kämper, Agnes Lelièvre, Lidia Poniży, Victoria Schoen, Silvio Caputo, Caitlin Kirby, Benjamin Goldstein, Chris Blythe</i> |
| 17.05 – 17.15 | E.3.3. | Socio-economic and socio-ecological benefits of allotment gardens – findings from case studies in France, Poland, and Germany <i>Marco Dobrodolac, Kathrin Specht, Runrid Fox-Kaemper, Lidia Poniży, Konstancja Federćzak, Béatrice Bechet, Liliane Jean-Soro, Agnes Lelievre, Werner Heidemann</i> |
| 17.15 – 17.25 | E.3.4. | The social and environmental value of public urban food forests: The case study of the Picasso Food Forest in Parma, Italy <i>Francesca Riolo</i> |
| 17.25 – 17.35 | E.3.5. | Analyzing potential user groups and their needs for an urban food forest in Berlin <i>Luisa Gedon, Jennifer Schulz, Torsten Lipp</i> |
| 17.35 – 17.45 | E.3.6. | What are the potential ecological and economic impacts of edible green spaces in cities? Example of a community garden in Vienna, Austria <i>Stefan Schweiger, Susanne Kummer, Benjamin Waltner, Isabella Gusenbauer, Thomas Drapela, Helena Sánchez, Florian Reinwald, Roswitha Weichselbaumer</i> |
| 17.45 – 18.15 | Discussion | |

| | F | Symposium ECOSERV 2021 |
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| Room 4 | F.1. | Services of different ecosystems <i>Chairs: Małgorzata Stępniewska & Andrzej Mizgajski</i> |
| 10.15 – 10.25 | F.1.1. | Services of different ecosystems – an attempt to overcome silo approaches <i>Małgorzata Stępniewska, Andrzej Mizgajski</i> |
| 10.25 – 10.35 | F.1.2. | Mapping freshwater ecosystem services related to hydrological cycle – review of approaches and their applicability in Poland <i>Kamila Belka, Kinga Krauze, Elżbieta Antczak, Iwona Wagner, Renata Włodarczyk-Marciniak</i> |
| 10.35 – 10.45 | F.1.3. | Erosion control ecosystem service by vegetation with neophytes <i>rosa rugosa</i> thunb and <i>salix acutifolia</i> willd. in the Southern Baltic Coast (Poland) <i>Janina Borysiak, Paweł Czyryca, Małgorzata Stępniewska</i> |
| 10.45 – 10.55 | F.1.4. | Differences between supply and demand for ES provided by trees in rural and urban municipalities – case studies of Nysa and Racibórz in Poland <i>Marcin Mielewczyk, Patrycja Przewoźna, Krzysztof Mączka, Adam Inglot, Piotr Matczak</i> |
| 10.55 – 11.05 | F.1.5. | Ranking ecosystem services delivered by trees in urban and rural areas – case studies of Racibórz and Nysa in Poland <i>Patrycja Przewoźna, Mączka Krzysztof, Marcin Mielewczyk, Adam Inglot, Piotr Matczak</i> |
| 11.05 – 11.15 | F.1.6. | Restoration of post-mining landscape vs ecosystem services recognition and assessment <i>Katarzyna Fagiewicz</i> |
| 11.15 – 11.25 | F.1.7. | The link between a high-mountain community and ecosystem services of juniper forests in the Fann Mountains (Tajikistan) |

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| | | <i>Oimahmad Rahmonov, Anna Abramowicz, <u>Katarzyna Pukowiec-Kurda</u>, Katarzyna Fagiewicz</i> |
| 11.25 – 11.45 | Discussion | |
| Room 4 | F.2. | Ecosystem Services in Environmental Management & Planning Chair: Harald Zepp & Luis Inostroza |
| 12.15 – 12.25 | F.2.1. | Strategic urban greenspace pattern optimization for overland flow mitigation: improvement of ecosystem service supply as an approach <i><u>Ming Qiu</u>, Min Wang, Harald Zepp</i> |
| 12.25 – 12.35 | F.2.2. | Urban-Rural Interlinkage – urbanization dynamics and its implications on land-use change and ecosystem services in Huangyan/Taizhou, China <i><u>Suili Xiao</u>, Wolfgang Wende, Ralf-Uwe Syrbe, Till Fügner</i> |
| 12.35 – 12.45 | F.2.3. | Ecosystem services application in the context of environmental-ecosystem accounting <i><u>Marta Sylla</u></i> |
| 12.45 – 12.55 | F.2.4. | Assessing the sustainability of Slovak cities with the ecosystem services approach <i><u>Peter Mederly</u>, Simon Vaňo, Denis Michalina, Michal Ševčík</i> |
| 12.55 – 13.05 | F.2.5. | Conceptualizing demand for ecosystem services – an adapted spatial-structural approach <i><u>Claudia Dworczyk</u>, Benjamin Burkhard</i> |
| 13.05 – 13.15 | F.2.6. | Rooftop greenery in ecological urban renewal of Shanghai: regulation, practice, and performance <i><u>Nannan Dong</u>, Shuangrui Zhao</i> |
| 13.15 – 13.25 | F.2.7. | Peri-urban organic waste values for Green Infrastructure <i><u>Susanne Hartard</u>, P. Fu, H. Hahn, L. Zhou, M. Narra, V. Shettigondahalli Ekanthalu, M. Nelles</i> |
| 13.25 – 13.45 | Discussion | |
| Room 4 | F.3. | Ecosystem services in urban areas I Chair: Angela Hoff |
| 14.45 – 14.55 | F.3.1. | Assessment of ecosystem services at urban site-level – Methodological steps and development of an online tool for measure planning <i><u>Patrycia Brzoska</u>, Karsten Grunewald</i> |
| 14.55 – 15.05 | F.3.2. | An indicator-based approach for the development of an app as an information and decision support system for urban green space users <i><u>Celina H. Stanley</u>, Kerstin Krellenberg, Martina Artmann, Robert Hecht, Patrycia Brzoska, Sercan Cakir</i> |
| 15.05 – 15.15 | F.3.3. | The value of doing nothing – how informal green spaces can provide comparable ecosystem services to cultivated urban parks <i><u>Piotr Sikorski</u>, Beata Gawryszewska, <u>Daria Sikorska</u>, Jarosław Chormański, Axel Schwerk, Agata Jojczyk, Wojciech Ciężkowski, Piotr Archiciński, Maciej Łepkowski, Izabela Dymitryszyn, Arkadiusz Przybysz, Marzena Wińska-Krysiak, Barbara Zajdel, Jarosław Matusiak, Edyta Łaskiewicz</i> |
| 15.15 – 15.25 | F.3.4. | Assessment of the perceived quality of green spaces to derive green space supply for a balanced green space planning <i><u>Celina H. Stanley</u></i> |
| 15.25 – 15.35 | F.3.5. | Accessibility to urban ecosystems services and functions in contemporary cities – A spatial perspective <i><u>Daniele La Rosa</u></i> |

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| 15.35 – 15.45 | F.3.6. | Targeting spontaneous vegetation of informal green spaces to enhance ecosystem services delivery in cities. <i>Piotr Archiciński, Piotr Sikorski, Daria Sikorska</i> |
| 15.45 – 15.55 | F.3.7. | Assessment of Ecosystem Services at City-Level in Russia: Main Approaches and Results <i>Oxana A. Klimanova, O.A.Illarionova</i> |
| 15.55 – 16.15 | Discussion | |
| Room 4 | F.4. | Ecosystem services in urban areas II Chair: Marek Degórski |
| 16.45 – 16.55 | F.4.1. | Operationalization of the ES concept for urban ecosystems – challenges from the Polish perspective <i>Marek Degórski, Andrzej Affek, Bożena Degórska, Anna Kowalska, Edyta Regulaska, Jerzy Solon, Jacek Wolski</i> |
| 16.55 – 17.05 | F.4.2. | Ecosystem services policies and its implications for future urban planning in China – insights from the Shanghai master and Baoshan district plan <i>Matthias Falke, Harald Zepp, Lars Gruenhagen</i> |
| 17.05 – 17.15 | F.4.3. | Contribution of urban soils for Ecosystem Services: development of a large-scale soil function assessment <i>Martin Sauerwein</i> |
| 17.15 – 17.25 | F.4.4. | From landscape functions to ecosystem services and co-benefits – how can we tweak these concepts for better urban planning? <i>Rieke Hansen</i> CANCELED |
| 17.25 – 17.35 | F.4.5. | Urban geosystem approach to the assessment of ecosystem services <i>Ksenia Merekalova, Alexander Karandeev, German Titov, Natalia Ilinova, Natalia Kopaeva</i> |
| 17.35 – 17.45 | F.4.6. | The perception of ecosystem services provided by blue spaces in Warsaw from users' point of view <i>Anna Wilczyńska, Izabela Myszka, Simon Bell</i> |
| 17.45 – 17.55 | F.4.7. | Historical dynamics of carbon storage and sequestration of urban green spaces in China during 1985-2020 <i>Xianqyu Luo, Jun Yang</i> |
| 17.55 – 18.15 | Discussion | |
| Room 2 | F.5. | Valuation of Socio-Cultural Services of Ecosystems Chair: Sylwia Kulczyk |
| 16.45 – 16.55 | F.5.1. | How to measure cultural ecosystem services? <i>Sylwia Kulczyk, Piotr Matczak, Marta Derek, Alina Gerlée, Krzysztof Mączka</i> |
| 16.55 – 17.05 | F.5.2. | Examining ecosystem services and disservices through deliberative socio-cultural valuation <i>Dalton Erick Baltazar, Marcello Di Bonito, Jillian Labadz, Roy Smith, Andrew Telford</i> |
| 17.05 – 17.15 | F.5.3. | Socio-cultural valuation of urban parks: the case of Jose Rizal Plaza in Calamba City, The Philippines <i>Dalton Erick Baltazar, Marcello Di Bonito, Jillian Labadz, Roy Smith, Andrew Telford</i> |
| 17.15 – 17.25 | F.5.4. | Cultural ecosystem services and disservices: linking landscape and social attributes to ecotourism in protected areas <i>Raphael Ocelli Pinheiro, Ludwig Triest, Priscila Lopes</i> |
| 17.25 – 17.35 | F.5.5. | “Been there, done that”. Cultural Ecosystem Services provided by green areas along urban–periurban wilderness continuum |

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| | | <i>Sylvia Kulczyk, Tomasz Grzyb, Edyta Woźniak, Marta Derek</i> |
| 17.35 – 17.45 | F.5.6. | Re-naturalizing the industrial city. Cultural ecosystem services in the Quarry Park <i>Marco Tononi, Antonella Pietta</i> |
| 17.45 – 17.55 | F.5.7. | Usability mapping: Participatory technique to integrate expert knowledge about supply and demand related to ecosystem services <i>Péter Palásti, Márton Kiss, Ágnes Gulyás, Éva Kerepeczki, Béla Halasi-Kovács</i> |
| 17.55 – 18.15 | Discussion | |

| July 9 (Friday) 2021 | | |
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| Room 1 | | Plenary Session II |
| 9.30 – 9.55 | K.5. | Quantifying spatial heterogeneity of urban landscapes and its effects on urban climate <i>WeiQi Zhou</i> |
| 9.55 – 10.20 | K.6. | Seven imperatives for ecological urbanism <i>Russell A. M. Galt</i> |
| 10.20 – 10.30 | Discussion | |
| 10.30 – 11.30 | Current State and Challenges in Urban Ecology - Panel discussion Moderation: <i>Jürgen Breuste, WeiQi Zhou, Doris Damyanovic, Russell A. M. Galt, Andrzej Mizgajski</i> | |
| 11.30 – 11.45 | Coffee Break | |
| 11.45 – 12.45 | SURE General Assembly – open for All | |
| 12.45 – 13.00 | Wrapping up the 3 rd SURE Conference - Closing Ceremony | |