

Program for 2nd SURE Congress in Details

July 8-10, 2016, Shanghai, China

Oral Presentation

July 8, 2016 Parallel Sessions

Parallel Hall 1

13:00-16:00

Session 13 Developing Low-carbon Cities: Challenges and Innovations

Organizers: Ji HAN¹, Marina Alberti², Yoshitsugu Hayashi³

1. East China Normal University; 2 University of Washington; 3 Chubu University

20 minutes for each presentation (15 min + 5 min discussion)

13:10-14:30	Section II: Moderator: Ji Han		
Time slot	Name	Affiliation	Title of the abstract
13:00-13:10	Ji Han	East China Normal University	Brief Introduction
13:10-13:30	Yoshitsugu Hayashi, Prof.	Chubu University	Smart Growth/Shrink for Low-carbon and Well-being City
13:30-13:50	Marina Alberti, Prof.	University of Washington	Detecting Signatures of Socio-Ecological Innovation in Urbanizing Regions: Emerging Observations from Low Carbon Cities

13:50-14:10	Yves CROZET, Prof.	University of Lyon	De-carbonization of Urban Mobility: the Challenge of European Cities
14:10-14:30	Dewei Yang, Assoc.Prof.	Institute of Urban Environment, CAS	Alternative scenarios for CO2 emission reduction based on urban sector-oriented energy saving in a pilot low-carbon city
14:30-15:30	Section II: Moderator: Marina Alberti		
14:30-14:50	Zhe Liu	Dalhousie University	Greenhouse gases emission mitigation through systematic optimization of urban symbiosis opportunities and challenges in China
14:50-15:10	Xing Meng, Ph.D candidate	East China Normal University	Estimating Urban Carbon Dioxide Emissions in Yangtze River Delta Urban Agglomerations
15:10-15:30	Bitian Fu, Ph.D candidate	East China Normal University	A coupling model for urban energy-related CO2 emissions mitigation in Shanghai, China
15:30-16:00	Group Discussion (Moderators: Yoshitsugu Hayashi, Ji Han, Marina Alberti)		

16:30-18:30

Session 4 The metabolism of urban ecosystems: frameworks, methods and indicators. Articulating metabolism and urban ecology

Organizers: Luis Inostroza (Techniue University, Dresden)

20 minutes for each presentation (15 min + 5 min discussion)

Time slot	Name	Affiliation	Title of Presentation
16:30-16:50	André Pina, Dr.	Instituto Superior Técnico, Universidade de Lisboa	Uncovering the masses supporting urban economies
16:50-17:10	Yan Zhang, Prof., Dr	Beijing Normal University	Urban metabolism current knowledge and research methodologies
17:10-17:30	Tiejun Dai, Prof./Ph.D	Beijing university of	Material Flow Analysis (MFA) of the Environmental-Economic System in

		technology	Beijing
17:30-17:50	Shaoqing Chen, Dr.	Beijing Normal University	The metabolism of cities a network perspective
17:50-18:10	Norra, Stefan, Prof. Dr.	Karlsruhe Institute of Technology	Urban systems in geochemical concepts of global element fluxes: from Vernadzky's Biosphere via the Astysphere to the Noosphere
18:10-18:30	Luis Inostroza, Dr.	TU Dresden	Articulating urban metabolism and urban ecology through novel indicators: introducing technomass
18:30-18:45	Group Discussion		

Parallel Hall 2

13:00 – 17:30

Session 6 Urban biodiversity: understand the patterns and processes at multiple scales

Organizers: Jun YANG¹ and Francisco Escobedo²

1. Center for Earth System Science, Tsinghua University
2. Faculty of Natural Sciences and Mathematics, Universidad del Rosario.

20 minutes for each presentation (15 min + 5 min discussion)

13:00-15:00	Section I: Moderator: Jun YANG		
Time slot	Name	Affiliation	Title of the presentation
13:00-13:10	Jun Yang	Tsinghua University	Intriduction to the Session
13:10-13:40	Francisco Escobedo.Dr.	Universidad del Rosario	Spatio-Spatio-temporal patterns of urban forest diversity and structure in Latin American-Caribbean cities Implications for monitoring and socioecological research
13:40-14:00	Hua-Feng Wang, Dr.	Hainan University	A multivariate analysis integrating ecological, socioeconomic and

			physical characteristics to investigate urban forest cover and plant diversity in Beijing, China
14:00-14:20	Yanning Qiu, Dr.	Nanjing University	How does plant community assemble on urban wallsapes Evidence from one of the world's largest ancient city walls
14:20-14:40	Fengping Yang, PhD	Swedish University of Agricultural Sciences	The lawn as an element of urban green infrastructure—searching for lawn alternatives in China from social and biodiversity perspectives
14:40-15:00	Yongchuan Yang, Asso. Prof./Dr.	Chongqing University	Biotic homogenization of urban greening among the major cities along the Yangtze River in China a meta-analysis
15:00-17:30	Section II: Modretor: Francisco J Escobedo		
15:00-15:20	Yingying Li, Dr.	Anhui Agricultural University	Impacts of land use dynamics and socioeconomic development on plant diversity Implications for urban plant diversity conservation in the new developing area of China
15:20-15:40	GAN Jing, Dr.	Tongji University	Correlation Analysis between avian biodiversity and built form indicators in high-density urban areas
15:40-16:00	Meng Wang, PhD	East China Normal University	Distribution Pattern of Plant Biodiversity along Urban-Rural Gradient and Its Relationship with Urbanization Degree in Shanghai, China
16:00-16:15	Coffee Break		
16:20-16:40	Peipei Guo, Dr.	Research Center for Eco-Environmental Sciences,CAS	Woody plant diversities of species functional type, origin, pollen-allergenic and resistance among urban morphological types in the built up area of Beijing
16:40-17:10	Jun Yang, Assoc. Prof./ Dr.	Tsinghua University	Urban biodiversity in China: Who are winners and losers?
17:10-17:30	Group discussion: Jun YANG and Francisco Escobedo		

17:30-18:30

Session 14: Education on Urban Ecology

Organizers: Henry Garay-Sarasti (EcoNat - Humboldt Institute Alliance)

20 minutes for each presentation (15 min + 5 min discussion)

Time slot	Name	Affiliation	Title of the abstract
17:30-17:50	Henry Garay-Sarasti & German Andrade	EcoNat - Humboldt Institute Alliance.	Education on Urban Ecology: Guidelines for inclusion in IPBES global policy science interface.
17:50-18:10	Clavijo Jennyffer	architect of the Catholic University of Colombia	Urban imaginary as a planning tool
18:10-18:20	Eduardo Medina-Roldán	Xi'an Jiaotong-Liverpool University	Making the Concept of Ecosystem Services "Real" An Interdisciplinary View from Environmental Sciences, Visual Arts and Economy
18:20-18:40	Figueroa & Hoyos	Manchester Metropolitan University	Education for urban ecology

Parallel Hall 3

13:00-16:00

Session 8 Urban biodiversity versus functional design of urban ecosystems?

Organizers: Angela Hof¹ and Harald Zepp²

1. University of Salzburg
2. Ruhr-University Bochum

20 minutes for each presentation (15 min + 5 min discussion)

13:00-14:40 Section I: Moderator: Angela Hof			
Time slot	Name	Affiliation	Title of abstract
13:00-13:20	Harald Zepp, Dr./Professor	Ruhr-University Bochum	Are nature based solutions an answer to the deficits of the ecosystem services approach in urban landscapes?
13:20-13:40	Beat Oertli, Eliane Demierre & Christiane Ilg	Delémont, Switzerland	Promoting biodiversity in urban ponds and lakes: identification of the driving factors and implications for management
13:40-14:00	Min Wang, Yan Song & Yuncai Wang	Tongji University	The Contribution of Landscape Architecture to Biodiversity based Solutions in Cities: Taking Huangpu District of Shanghai as an Example
14:00-14:20	Till Kasielke & Harald Zepp	Ruhr-University Bochum	Biomass plantation as a contribution to viable nature-based solutions in urban landscapes
14:20-14:40	Janina Borysiak & Andrzej Mizgajski	University of Poznań	Biodiversity of Allotments in relation to other urban ecosystems. The Poznań city case study
14:40-16:00 Section II: Moderator: Harald Zepp			
14:40-15:00	Angela Hof, Dr./ Professor	University of Salzburg	Optimized urban ecosystems versus urban nature?
15:00-15:20	Diana Carolina Useche, Master	Botanical Garden Bogota	Interdisciplinary ecological study for the construction of a green and sustainable city: Bogotá, Colombia
15:20-15:40	Jason Luscier, PhD	Le Moyne College	Great-tailed Grackle Population Dynamics and Breeding Success at Varying Levels of Urbanization
15:40-16:00	Teresa Zölch & Stephan Pauleit	Technical University of Munich	A strategic approach for climate change adaptation via green infrastructure at neighbourhood scale

16:30-18:30

Session 7 The ecology and management of rural-urban linkages

Organizers: Stephan Pauleit¹ and Juergen Breuste²

1. Technische Universität München

2. University of Salzburg, Austria

20 minutes for each presentation (15 min + 5 min discussion)

16:30-18:30 Moderator:Stephan Pauleit			
Time slot	Name	Affiliation	Title of abstract
16:30-16:50	Xiaofeng Dong, Prof./Dr.	School of Architecture and Design, Beijing Jiaotong University	Ecological Urban-Rural System and Evaluation Index System for Ecological Urban-Rural System
16:50-17:10	Lishan Xiao, Assist. Prof./Dr.	Institute of Urban Environment, CAS	Understanding urban–rural linkages from an ecological perspective
17:10-17:30	Weifeng Li, Assoc. Prof./Dr.	Research Center for Eco-Environmental Sciences, CAS	The regional difference in landscape urbanization of Yangtze Economic Corridor and the driving forces
17:30-17:50	Meng Wu, PhD	East China Normal University	Exploring the effects of riparian landscape change on ecosystem services in urban-rural gradients A case study of Shanghai
17:50-18:10	Zhaowu Yu, PhD	University of Copenhagen	Land consolidation and urban-rural settlement spatial reconstruction in mountainous areas based on ecological niche perspective
18:10-18:30	Yanxu Liu, PhD student	Peking University	The spatial resilience of urban green landscape in Shenzhen City, a fast growing metropolis of China
18:30-18:50 Group Discussion			

Parallel Hall 4

13:00-18:30

Session 11 Eco-cities and the way to build them

Organizers: Juergen Breuste¹ and Cristian Ioja²

1. University of Salzburg, Austria
2. University of Bucharest, Romania

20 minutes for each presentation (15 min + 5 min discussion)

Time Slot	First slot (13.00-16.00)
13:00 – 13:15	Jürgen Breuste, Professor, University of Salzburg, Austria, juergen.breuste@sbg.ac.at <i>Eco-Cities – Managing Blue Water in Green Cities</i>
13:15 – 13:30	Miaomiao Xie, Associate professor, China University of Geosciences, 2011010007@cugb.edu.cn <i>Constructing ecological networks based on the analysis of temperature regulation function of green space</i>
13:30 – 13:45	Henry Garay Sarasti, Director EcoNat, Colombia, hgaray@econat.biz

Time Slot	First slot (13.00-16.00)
	<i>Ecocities in Colombia. Pathways and Perspectives in Complex Socio-Ecological Settings</i>
13:45 – 14:00	Discussion
14:00 – 14:15	Martina Artmann, Posdoc Researcher, Leibniz Institute of Ecological Urban and Regional Development, Dresden, Germany, m.artmann@ioer.de <i>How to deal with the compact city paradox A systemic approach for smart compact green cities</i>
14:15 – 14:30	Luis Inostroza, Associate Professor, Technische Universität Dresden, Germany, inostroza@technotope.org <i>Ecology and urban planning</i>
14:30 – 14:45	Bob Brzuszek, Professor, Mississippi State University, United States, RBrzuszek@lalc.msstate.edu <i>Using the Sustainable Sites Initiative (SITES) to conserve site level biodiversity</i>
14:45 – 15:00	Discussion
15:00 – 15:15	Anna Faggi & Sabina Caula, Researcher, Argentine National Council of Research, Argentina, afaggi2003@yahoo.com.ar <i>Infrastructure and birds in Latin American cities</i>
15:15 – 15:30	XUE Fei, Ph.D. Candidate, Tsinghua University, China, xuefei.mail@gmail.com <i>Urban Ecosystem Services Demands and People's Utilization Preference in Four Representative Parks along Beijing Historical Waterway</i>
15:30 – 15:45	Lalitha Dissabnayake & Breuste Jurgen, Senior Lecturer, University of Peradeniya, Sri Lanka, dissanayakedml2011@gmail.com

Time Slot	First slot (13.00-16.00)
	<i>Challenges for urban Landscape Case of Kandy, Sri Lanka</i>
15:45 – 16:00	Discussion
Time	Second slot (16:30-18:30)
16:30 – 16:45	Cristian Ioja, Jurgen Breuste, Alina Hossu, Denisa Badiu, Mihai Nita, Diana Onose, University of Bucharest, Romania, cristian.ioja@geo.unibuc.ro <i>The relationship between protected areas and eco-cities</i>
16:45 – 17:00	Chingwen Cheng, Assistant Professor, Arizona State University, United States, Chingwen.Cheng@asu.edu <i>Social-Ecological Resilience and Green Infrastructure Planning</i>
17:00 – 17.15	Andrzej Mizgajski, Professor, Adam Mickiewicz Poznan University, Poland, mizgaj@amu.edu.pl <i>Urban planning as a tool of transition towards eco-city</i>
17:15 – 17.30	Discussion
17:30 – 17:45	Siqing Chen, Lecteur, University of Melbourne, Australia, chens@unimelb.edu.au <i>From greenfield to eco-city GIS-based watershed analysis for stormwater management and its application in town planning</i>
17:45 – 18:00	Garfield Wayne Hunter, Ph.D. Candidate, Tongji University, China, garfield.hunter@tongji.edu.cn <i>The interplay of urban planning and design in low carbon eco-city development strategies. A comparative trans-national case study of Tianjin and Freiburg</i>

Time Slot	First slot (13.00-16.00)
18:00 – 18:30	Group Discussions

Parallel Hall 5

13:00-16:00

Session 10 Urbanization and urban sustainability in China and around the world

Session Chair: Qingxu Huang and Lu Huang

1. Beijing Normal University
2. College of Life Sciences, Zhejiang University

20 minutes for each presentation (15 min + 5 min)

Time Slot	Name	Affiliation	Title of Presentation
13:00-13:20	Chunyang He, Prof./Dr.	Beijing Normal Univ.	Modelling impacts of urban expansion on regional ecosystem services by linking the LUSD-urban and InVEST model
13:20-13:40	Yangfan Li, Assoc. Prof./Dr.	Xiamen University	Coastal Urbanization, Regional Environmental Change and Resilience Practice in China
13:40-14:00	Kang Wu, Assoc. Prof/Dr.	Capital University of Economics and Business	From metropolitan area to megalopolis: define China's functional urban areas with geographic open data
14:00-14:20	Lu Huang, Dr.	College of Life Sciences, Zhejiang University	Assessing urban sustainability of Chinese megacities: 35 years after the economic reform and open-door policy

14:20-14:40	Jian Peng, Assoc. Prof./Dr.	Peking University	Assessing urban landscape ecological risk with the framework of ecological adaptive cycle
14:40-15:00	Qingxu Huang, Assis. Prof./Dr.	Beijing Normal University	Simulated potential impacts of urban expansion on multiple ecosystem services in Beijing
15:00-15:20	Yu Song, Assis. Prof./Dr.	Hangzhou Normal University	The relationship between urban form and urban commuting in China's major cities
15:20-15:40	Cheng Yu, Ph.D	Nanjing Institute of Geography and Limnology, CAS	Changes in water quality of the rivers into Lake Tanganyika in Bujumbura, Burundi-yucheng
15:40-16:00	Group discussion		

16:30-18:30

Session 16 Ecosystem services and nature-based solutions in urban areas

Organizers: Salman QURishi¹ and Bob Brzuszek²

1 Humboldt University of Berlin, Germany

2 Mississippi State University, United States

20 minutes for each presentation (15 min + 5 min discussion)

Time slot	Name	Affiliation	Title of the abstract
16:30-16:40	Salman Qureshi, Prof./Dr.	Humboldt University of Berlin	Introduction to the session
16:40-17:00	Diana Carolina Useche	Jardín Botánico de Bogotá,	Participatory knowledge generation for the designing and governance of urban green spaces
17:00-17:20	Hernandez, Assoc. Prof./Dr	University of Chile	Urban Forest Ecosystem Changes in Santiago de Chile
17:20-17:40	JingYi Xiang, Master	East China Normal University	Assessing the social values for ecosystem services of a wetland

			landscape integrating visitor-employed photography method into SolVES
17:40-18:00	Gabriel Vanau	University of Bucharest	Assessment of ecosystem services provided by large parks in Bucharest city
18:00-18:20	Discussion		

Parallel Hall 6

13:00-18:30

Session 3 Green and blue infrastructures in urban area: functions and evaluation in environment improvement, ecosystem health and well-being benefits from urban forests and wetlands

Organizers: Xingyuan HE¹ and Zhenbin WU²

1. Northeast Institute of Geography and agroecology, Chinese Academy of Sciences
2. Research Center of Environmental Engineering, Institute of Hydrobiology, Chinese Academy of Science

20 minutes for each presentation (15 min + 5 min discussion)

Time slot	Name	Affiliation	Topic
13:00-15:30	Section I: Moderator: Zhenbin WU		
13:00-13:25	Ren Zhibin	Northeast Institute of Geography and agroecology, CAS	Urban Forest study in China: review and perspective
13:25-13:50	Wang Wenjie	Northeast Institute of Geography and agroecology, CAS	An urban forest inventory photogrammetric method based on internet street-views: development and application
13:50-14:10	Xu Sheng	Institute of Applied Ecology, CAS	Physiological responses and tolerance of urban plants to

			elevated O3
14:10-14:30	Wang Jing	Research Centre for Eco-Environmental Sciences, CAS	Quantifying the evenness and fragmentation of urban greenspace along an urban gradient A cross-analysis of 9 Chinese cities
14:30-14:50	Zheng Haifeng	Northeast Institute of Geography and agroecology, CAS	Spatiotemporal patterns of above-ground carbon storage by urban forests quantifying and mapping at a city scale
14:50-15:10	Liu Zhouli	Institute of Applied Ecology, CAS	Research progress in regulating the atmospheric inhalable particulate matter on urban greening
15:10-15:30	Chen Guo-jie	Research Centre for Eco-Environmental Sciences, CAS	Plant Species Differed in Particulate Matter Reaccumulate Ability
15:30-15:50	Coffee Break		
15:50-18:30	Section II: Moderator: Wenjie Wang		
15:50-16:15	Wu Zhenbin	Research Center of Environmental Engineering, Institute of Hydrobiology, CAS	Research and application of urban constructed wetlands and ecological restoration of landscape lakes in China
16:15-16:35	Anthony Wilson	Association of Schools and Programs of Public Health Environmental Health Fellow at U.S. EPA	Methods Used in EnviroAtlas to Assess Urban Natural Infrastructure
16:35-16:55	Liu Jiang	Fuzhou University	Public soundscape experience in different functional urban areas: A case study in Rostock, Germany
16:55-17:15	Lv Hailiang	Northeast Institute of Geography and agroecology, CAS	Effects of land use land cover change on urban ecosystem carbon stocks
17:15-17:35	Yao Jing	Institute of Applied Ecology, CAS	Dynamics of Research on Urban Ecosystem Services
17:35-17:55	Yu Shuai	Institute of Applied Ecology, CAS	Differential Nitrogen and Phosphorus Uptake Characteristics of Five Wetland Plant Species

17:55-18:15	Yao Min	Research Centre for Eco-Environmental Sciences, CAS	Dose an optimal patch size of greenspace occur for most efficient cooling effects
18:15-18:30	Group Discussion Moderators: Wenjie Wang and Zhenbin WU		

July 9, 2016 Parallel Sessions

Parallel Hall 1

10:30-18:50

Session 2 Sustainable Urbanization, Human Wellbeing and Integrated Assessment

Organizers: Tao LIN¹ and Xaioling ZHANG²

1. Institute of Urban Environment, Chinese Academy of Sciences

2. City University of Hong Kong

20 minutes for each presentation (15 min + 5 min discussion)

Time slot	Name	Affiliation	Title of the presentation
10:30-10:40	Tao Lin, Assoc. Prof./Dr	Institute of Urban Environment, Chinese Academy of Sciences	short introduction to the session
10:40-12:00	Section I: Urban Health Moderator: Yi Zhang		
10:40-11:00	Xinhu Li, Assoc. Professor/Dr	Institute of Urban Environment, Chinese Academy of Sciences	Urbanization and health in China, thinking from a urban ecological viewpoint

11:00-11:20	Xianwen Chen, Res. Scientist	Norwegian Institute for Nature Research	Cultural Ecosystem Services & Public Health in (Peri-)urban Environments
11:20-11:40	Fabien Pfaender, Assoc. Prof.	ComplexCity lab, Sorbonne Universites (UTC), France	The Complex Path to Urban Health
11:40-12:00	ZHANG Yi Dr.	Institute of Urban Environment, Chinese Academy of Sciences	Systematic review of urban health indicators-complexity and dynamism
12:00-13:00	Lunch Break		
13:00-15:20	Section II: Integrated assessment Moderator: Tao Lin		
13:00-13:20	Izakovicova, Director, Prof./Dr	Institute of Landscape Ecology Slovak Academy of Science	Ecosystem services assessment – an innovative approach to the spatial planning and landscape management
13:20-13:40	ZHANG Guoqin, Dr	Institute of Urban Environment, Chinese Academy of Sciences	Spatial-temporal differentiation, impact mechanism and optimization strategies of the composite accessibility of urban residential areas a case study of Xiamen, China
13:40-14:00	Xiaopeng Ren, Associate Prof./PhD	Institute of Psychology, Chinese Academy of Sciences	Climate demands negatively predict urban dwellers' subjective well-being
14:00-14:20	Eva van Bolderen		Smart Managing the City
14:20-14:40	Yuan Wang, PhD	Department of Environmental Sciences, University of Helsinki	Urban Landscape Context Impacts the Delivery of Cultural Ecosystem Services in Urban Forests
14:40-15:00	Qinhua Fang	Xiamen University	Risk of a PX proposal divergence between public perception and environmental risk assessment
15:00-15:20	Tao Lin, Associate Prof./Dr	Institute of Urban Environment, Chinese Academy of Sciences	human-oriented urban sustainability assessment
15:20-18:30	Section III: Sustainable development Moderator: Xiaoling Zhang		
15:20-15:40	LUO Tao, PhD Candidate	Fuzhou University	Differentiated trajectories of urban development in a coastal

			province - Implications for the 'new-type' urbanization
15:40-16:00	Zhifang Wang, Associate Prof./Dr	Peking University	The role of social-ecological matrix in managing sustainable urbanization
16:00-16:30	Coffee Break		
16:30-16:50	Xueyang Bu, Associate Prof./Dr	Tianjin University	Recognition and Protection of Typical Context Spaces in Old Urban District
16:50-17:10	Cesar Wagner, Senior Lecturer	UNITEC, New Zealand	Children's play areas Playing as a constructing element
17:10-17:30	Tong Xu, PhD Candidate	Institute of Urban Environment, Chinese Academy of Sciences	Analyzing Impact Factors and Resources Consumption Index of Large Public Building A Case Study of People's Bank of China
17:30-17:50	JI Lingyun		Green Urbanization and urban flooding hazards control-an international comparative researches
17:50-18:10	Kai Yin	Institute of Remote Sensing and Digital Earth, CAS	Human-induced disturbance effect on urban forest
18:10-18:30	ZHANG Xiaoling, Assoc. Prof.	City University of Hong Kong	Bibliometric analysis of research in sustainable urbanization
18:30-18:50	Group discussion Moderators: Tao Lin, Xiaoling Zhang and Yi Zhang		

Parallel Hall 2

10:30-18:30

Session 9--Industrial Ecology's Unique Contribution and Its Potential of Being Integrated with Urban Ecology in Urban

Studies

Organizers: Wei-Qiang CHEN¹ and Ming XU²

1. Institute of Urban Environment, Chinese Academy of Sciences
2. School of Natural Resources and Environment, University of Michigan

20 minutes for each presentation (15 min + 5 min discussion)

I) Urban Metabolism and Urban Symbiosis		
Moderator: Wei-Qiang CHEN		
Time slot	Name	Title talk
10:30-10:35	Wei-Qiang CHEN and Ming XU	Introduction to the Session
10:35-11:55	Liang DONG (Leiden University)	Smart urban industrial symbiosis in China supply side optimization and demand side management perspective
11:55-11:15	Ahmed Tazrin (Bengal Institute)	Assessment of Urban Resilience Dhaka 2035
11:15-11:35	Lu SUN (National Institute for Environmental Studies, Japan)	Uncovering driving forces on urban metabolism-A case of Shenyang
11:35-11:55	Jing-Zheng REN (University of Southern Denmark)	Sustainability of Cities Indices Quantification, Barriers Identification, and Strategies Proposal
11:55-12:00	Free Discussion	
12:00-13:00	Lunch Break	
II) Material Stocks and Flows		
Moderator: Wei-Qiang CHEN		
Time slot	Name	Title talk
13:00-13:20	Xian-Lai ZENG (Tsinghua University)	Uncovering Urban Metabolism and Carrying Capacity of Gallium in China

13:20-13:40	Han-Wei LIANG (Nanjing University of Information Science & Technology)	Study on estimation of urban mine stock in civil engineering infrastructure using remote sensing and GIS data
13:40-14:00	Sheng-Hui CUI (Institute of Urban Environment, Chinese Academy of Sciences)	Nitrogen demand of food consumption in China and its environmental impact
14:00-14:20	Chen LIN (Shandong University)	Possible mitigation of marine contamination by waste plastics and GHG emission Waste input-output analysis for plastics of China
14:20-14:30	Free Discussion	
III) Urban Energy Use and Carbon Emissions		
Moderator: Ming XU		
Time slot	Name	Title talk
14:30-14:50	Xin TIAN (Beijing Normal University)	Does the turning point of carbon dioxide emissions in Beijing really arrive?
14:50-15:10	He-Ping HUANG (Jiangxi University of Finance & Economics)	EMA-based analysis on the eco-efficiency of carbon emission of energy consumption a case study of Nanchang city
15:10-15:30	Peng-Peng ZHANG (Beijing Normal University)	Urban energy transition drivers for China a case study of de-coal process in Beijing
15:30-15:50	Yue ZHANG (Chinese Research Academy of Environmental Sciences)	The Green Development Performance of the National Economic and Technological Development Zones in China
15:50-16:00	Free Discussion	
16:00-16:30	Coffee Break	
III) Urban Land Use and National Capital		
Moderator: Ming XU		
Time slot	Name	Title talk
16:30-16:50	Ru GUO (Tongji University)	Construction land expansion and its implication for farmland protection in peri-urban areas the case study of Chongming island in China

16:50-17:10	Li-Jie GAO (Institute of Urban Environment, Chinese Academy of Sciences)	Spatial analysis and industrial ecology
17:10-17:30	Han SHI (City University of Hong Kong)	Development and Application of Natural Capital Balance Sheets in Sanya City, China
17:30-18:00	Free Discussion and Summary	

Parallel Hall 3

10:30-18:30

Session 1 Global Urbanization and Landscape Dynamics: Socioeconomic Drivers and Ecological Consequences

Organizers: Weiqi ZHOU¹ and Steward Pickett²

1. Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences
2. Cary Institute of Ecosystem Studies, USA

25 minutes for each presentation (20 min + 5 min discussion)

10:30-12:00 Section I Moderator: Steward Pickett			
Time Slot	Name	Affiliation	Title of the abstract
10:30-10:40	Wei Zhou and Steward Pickett		Introduction to the session
10:40-11:10	Weiqi Zhou, Prof./Dr.	Research Center for Eco-Environmental Sciences, CAS	Effects of spatial configuration of trees on urban heat mitigation: Understanding the causes of the inconsistency
11:10-11:35	Mahyar Masoudi, PhD	National University of Singapore	The relationships among land use, urban green spaces

			and land surface temperature in Singapore
11:35-12:00	Lijian HAN, Assoc.Prof./PhD	Research Center for Eco-Environmental Sciences, CAS	Fine Particulate (PM2.5) Dynamic and Its Relationship with Urbanization
12:00-13:00	Lunch Time		
13:00-16:00	Section II Moderator: Weiqi Zhou		
13:00-13:25	Zhiming Zhang, Assoc.Prof./Dr.	Yunnan University	The urban agglomeration processes of Kunming and Yuxi cities driving by the policy of Kunming-Yuxi integration in plateau of Yunnan, Southwest of China
13:25-13:50	Xiaofang Hu, Master	Research Center for Eco-Environmental Sciences, CAS	The relative importance of urban expansion and local land cover change on urban warming a case study in Beijing, China
13:50-14:15	Luis Inostroza, Assoc.Prof./Dr.	TU Dresden	Landscape urbanization patterns in central Europe
14:15-14:40	Meirong Su, Assoc. Prof./Dr.	Beijing Normal University	The influence of landscape metrics on urban flood vulnerability
14:40-15:05	Min Zhao, Assoc. Prof./Dr.	Shanghai Normal University	Community composition structure of green space and its carbon storage function in an “urban-to-rural” gradient
15:05-15:30	Sadahisa Kato, PhD	Ibaraki University	Conservation and Reinterpretation of Traditional Small Urban Green Spaces (Telajakan) in Bali, Indonesi
15:30-15:55	Nicholas Weller, PhD	Arizona State University	Influence of internet access and agro-tourism on urban transitions in rural Beijing
16:00-16:30	Coffee Break		
16:30-18:30	Section III Moderator: Meirong Su		
16:30-16:55	Peilei Fan, Assoc.Prof./Dr.	Michigan State Univ.	Urban transformation and environmental changes of transitional economies Hanoi after Doimoi (1986-2015)
16:55-17:20	Yuguo Qian, PhD	Research Center for	The heterogeneity of air temperature in residential areas

		Eco-Environmental Sciences, CAS	and its relationship to surrounding greenspace
17:20-17:45	Qiannan She, PhD Student	East China Normal University	Air quality variation and its response to urban form in the Yangtze River Delta, China
17:45-18:10	Christopher Nytch, PhD Student	Department of Environmental Sciences, University of Puerto Rico, Río Piedras Campus	Synthesis of household yard area dynamics in the city of San Juan using multi-scalar social- ecological perspectives
18:10-18:30	Group discussion		

Parallel Hall 4

10:30-18:30

Session12 Urban Ecological and Environmental Remote Sensing: Scale, Pattern and Processes

Organizers: Junxiang LI¹ and Conghe SONG²

1. School of Ecological and Environmental Sciences, East China Normal University
2. Department of Geography, University of North Carolina

25 minutes for each presentation (20 min + 5 min discussion)

10:30-12:00	Section I: Moderator: Conghe SONG		
Time slot	Name	Affiliation	Title of the abstract
10:30-10:40	Conghe Song, Prof.	University of North Carolina	Introduction to the session
10:40-11:10	Dengsheng Lu, Prof./Dr	Michigan State University	Mapping urban land cover dynamic change using time series multi-sensor very high spatial resolution satellite images
11:10-11:35	Miao LIU, Ph.D, Prof.	Institute of Applied Ecology, CAS	Landscape metrics for three-dimension urban pattern recognition

11:35-12:00	Caiyan WU, Ph.D Stud.	East China Normal University	Urban Growth and Its Driving Forces of Shanghai in the Past 30 Years Revealed by Landsat Imageries
12:00-13:00	Lunch time		
13:00-15:10	Section II: Moderator: Junxiang LI		
13:00-13:30	Chi ZHANG, Prof./Dr.	Xinjiang Institute of Ecology and Geography, CAS	Impacts of impervious surface expansion on soil organic carbon – a spatially explicit study
13:30-13:55	Guangjin Tian, Prof./Dr.	Beijing Normal University	Assessing the impact of the urbanization process on net primary productivity in China
13:55-14:20	Nan LIAN, Master	East China Normal University	The Spatiotemporal Pattern of Urban Landscape Phenology in Shanghai and Its Driving Forces
14:20-14:45	Mingfeng LIU, PhD	The Chinese University of Hong Kong	Monitoring the spatial and temporal dynamics of mangrove forest with satellite imagery in Mai Po Nature Reserve, Hong Kong
14:45-15:10	Curtis Chance	University of British Columbia	Mapping invasive plant species in urban parks using advanced remote sensing data
15:10-18:00	Section III: Moderator: Dengsheng LU		
15:10-15:40	Junxiang Li, Prof.	East China Normal University	The synergistic mitigation effects of green and blue landscape to urban heat island
15:40-16:05	Yin REN, Assoc. Prof./Dr	Institute of Urban Environment, Chinese Academy of Sciences	Quantifying the influences of various ecological factors on land surface temperature of urban forests
16:00-16:30	Coffee Break		
16:30-16:55	Wei WANG, PhD	East China Normal University	Examining the relationship between urban land surface temperature and impervious surface fraction: a nonlinearity analysis
16:55-17:20	Meixia LIN	Institute of Urban Environment, CAS	Multi-scale analysis of spatio-temporal evolution characteristics between urban landscape pattern changes and rainfall interception

			capacity
17:20-17:45	Tong QIU, PhD student	Univ. North Carolina	Detecting Spatial and Temporal Variation of Urban Phenology Over the Past Three Decades Using Landsat Time-series Data
17:45-18:10	Maik Netzband	Ruhr-University	Landscape metrics as a tool for the comparison of different urban regions
18:00-18:30	Group Discussion		

Parallel Hall 5

10:30-16:30

Session15 The Future of Urban Ecology Young Researchers Perspective——Future and Cooperation

Organizers: Yilian GAO¹, Fei XUE², Xiaofeng HU³, Diana Waldron⁴ and Liang ZHAO⁵

1. School of Ecological and Environmental Sciences, East China Normal Univeristy
2. Department of Architecture, Tsinghua University
3. Research Center for Eco-Environmental Sciences, CAS
4. Welsh School of Architecture Cardiff University
5. Department of Geography and Geology, University Salzburg

25 minutes for each presentation (20 min + 5 min discussion)

10:30-10:40	Part 1 Moderator: Fei Xue Session Welcoming Intro		
Time Slot	Name	Affiliation	Title of the abstract
10:40-11:05	Xiuling ZHAO, MS	Research Center for	Spatio-temporal Pattern of ozone weekend effect, Beijing

		Eco-Environmental Sciences, CAS	
11:05-11:30	Yilian Gao, MS	East China Normal University	Contribution of Urbanization to Climate Change in Yangtze River Delta Region
11:30-11:55	Peng Xia, MS	East China Normal University	Characteristics of Extreme Temperature Variations and Their Response to Urbanization in Yangtze River Delta Region in Recent Sixty Years
12:00 - 13:00	Lunch Time		
13:00-13:05	Part 2 Moderator: Xiaofang Hu		
13:05- 13:30	Xingyue Tu, PhD	Beijing Normal University	Park accessibility and neighborhood socioeconomic Characteristics: A case study of Beijing, China
13:30-13:55	Yaqiong Jiang, MS	Beijing Normal University	How does air quality influence urban park visits A case study in Beijing
13:55-14:20	Zheng Zhong, PhD	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Effects of the vertical structure of residential landscapes on land surface temperatures a case study of Beijing
14:20-14:45	Fei Xue, PhD	Tsinghua University	Beijing Planning Documentations Content Analysis and Comparison with the Urban Ecosystem Services
14:45-14:50	Part 3 Moderator: Yilian Gao		
14:50-15:15	Yang Yi, Master	Xiamen University	Vulnerability assessment of mangrove ecosystem under high coastal urbanization
15:15-15:40	Qiu Jianhui, Master	Xiamen University	Impact of reclamation activities on carbon storage in China's coastal wetland ecosystem
15:40-16:10	Coffee Break		
16:10-16:15	Part 4 Moderator: Liang Zhao		
16:15-16:40	Ning Wei, MS	East China Normal University	Exploring the relationship between urban form, income and

			satellite-derived atmospheric CO2
16:40-17:05	Kun Wang	University of Chinese Academy of Sciences	Urban expansion in Beijing-Tianjin-Hebei agglomeration Applying the teleconnections framework to understanding the driving forces
17:05-17:20	Final Discussion/Wrap up, Moderator: Yilian Gao, Fei Xue, Xiaofeng Hu, Liang Zhao		

Parallel Hall 6

10:30-15:00

Session 5--From urban sprawl to compact green cities – indicators for multi-scale and multi-dimensional analysis

Organizers: Martina Artmann, Peilei Fan and Luis Inostroza

1. Leibniz Institute of Ecological Urban and Regional Development (IOER)
2. School of Planning, Design, and Construction and Center for Global Change and Earth Observations, Michigan State University
3. Institute of Photogrammetry and Remote Sensing, Technische Universität Dresden

20 minutes for each presentation (15 min + 5 min discussion)

Moderator: Martina Artmann		
I) Multi-scale and multi-dimensional land monitoring of urban sprawl and compact green cities		
Time slot	Name	Title talk
10:30-10:40	Martina Artmann	Introduction to the session
10:35-11:00	Stefan Siedentop, Angelika Krehl, Hannes Taubenböck, Michael Wurm	Measuring urban sprawl: from zonal to development based metrics?

11:00-11:20	Gotthard Meinel (IOER), Tobias Krüger (IOER), Benjamin Richter (IOER)	Monitoring of settlement development - systematic problems, solutions and results for Germany
11:20-11:40	Caige Sun, Tao Lin, Xihu Li, Qianjun Zhao, Guoqin Zhang, Hong Ye, Jinchao Song	Dynamics of Urban Green Space's Spatial Distribution Pattern in a Long Term Compact Urbanization Process—A Case Study of Xiamen City in China
11:40-12:00	Simona R. Gradinaru, Felix Kienast, Achilleas Psomas	Using seasonal Landsat imagery to monitor agricultural land abandonment in areas affected by urban sprawl
12:00-13:00	Lunch Break	
Moderator: Peilei Fan		
II) Multi-scale and multi-dimensional DPSIR for urban sprawl and compact green cities		
Time slot	Name	Title talk
13:00-13:20	Cheng Li, Junxiang LI, Jianguo WU	Urban sustainability assessment and its relationship with urban forms
13:20-13:40	Cristian Iojă, Gabriela Osaci-Costache, Jurgen Breuste, Alina Hossu	Wetlands under urban expansion: A case of Bucharest city, Romania
13:40-14:00	Zhang Tong, Chen Shuang, Li Guangyu, Yan Yue	The impact of urban form on vegetation biomass: A case study of Yangtze River Delta urban agglomeration
14:00-14:20	Jürgen Breuste	Urban sprawl brings cities closer to protected areas – new benefits or new conflicts? - Investigations in the Eco-city solar city Linz Pichling
14:20-14:40	Stephan Pauleit, Rieke Hansen, Emily Rall, and Werner Rolf	Planning a green infrastructure for compact cities – potentials and approach

14:40-15:00	Moderation: Luis Inostroza Peilei Fan, Martina Artmann III) Wrap-up: Challenges and chances for multi-scale and multi-dimensional indicators for urban sprawl and compact cities
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Poster Presentation

July 8, 2016 at the Plenary Hall

10:30-11:00

Session 1 --Poster Presentation

Xue Zhao	Beijing Normal University	The spatial stress on the wetlands due to urban expansion in the Jing-Zhang channel in the context of the 2022 Winter Olympics
Tiantian Xiao	Xiamen University	Assessment of the changes of coastal wetland ecosystem service values in response to rapid urbanization
Wenxuan Xie	Beijing Normal University	A study on the impacts of urban expansion on multiple ecosystem services in Beijing
Shanyi Zhou	Beijing Normal University	An analysis of the relationship between human-environment system changing and the urbanization A case study of the Honghe Hani Rice Terraces as a world heritage cultural landscape

Session 7--Poser Presentation

Chen Xiu, Dr	Guangdong Provincial Academy of Environmental Science	Permanent flow cut-off and stream altitude control riparian plant community diversity and composition in a large urban river system in Northern
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Tian Zhang	Peking University	Multi-temporal identification of the landscape evolution for central area of Shenzhen city during 1987-2015
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Session 8--Poster Presentation

Liu Gang & Su Chenhao	Tianjin University	Review The Impact of Artificial Light on Birds
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Session 11-Poster Presentation

Juergen Kunzemann	SBA Architects, Shanghai, China	Nature-based solutions for urban development in Shanghai
YU Lixin	Xi'an university of Science and Technology	A Solution to Community Empowerment in the Eco-tourism Development
Nalini Hennayake, Manishini Ekanayake, Lalitha Dissanayake and Rumeshika Vidushani	University of Peradeniya, Sri Lanka	Political Interference in Kandyan Landscape
Ishanka Amarasooriya, Lalitha Dissanayake and Nalani Hennayake,	University of Peradeniya, Sri Lanka	Tracing land use changes in the Kandyan Landscape
Atiqur Rahman, Professor, Jamia Millia Islamia, India,		Spatial Analysis of Health Care Service Centres in Making Smart Cities Using VHR Satellite data and GIS Techniques in SE Delhi-India
Benjamin Daniels, Master	RWTH Aachen University, Germany,	A multidisciplinary instrument to assess and compare ecosystem services

Student,		of urban greens in eco-cities
Mushahid Anwar, Dr, Pakistan,		Evaluating ecological dis-balance in the fast growing cities of Pakistan, by using remote sensing and GIS techniques
Jürgen Breuste, Angela Hof, Cristian Ioja, Florian Peters, Lidia Poniży, Iwona Zwierzchowska, Gavrilidis Athanasios, Andrzej Mizgajski		How to improve nature contact in urban surroundings as part of the eco-cities concept? - Investigations in European cities

Session 13 -- Poster Presentation

Shan Cheng	Tongji University	Compound method to calculate block sized buildings' shape coefficient index and energy consumption Case of Milano
Shan Cheng	Tongji University	Research on Block Sized Building Cluster's Energy Consumption from Urban Fabric Perspective Case of Milan
Yongmei Song	Xi'an University of Science & Technology	The Residents' Cognition, Attitude and Behaviors on Low Carbon Tourism of Xi'an
Jinfeng Qu	Nankai University	The basic technical thought of the low carbon and environmental benefit evaluation on urban energy supply technology
Xiyang Zhu, Master	East China Normal University	Spatial variation of near-surface CO2 concentration with respect to biophysical components-Case study of Shanghai

Session 16 -- Poster Presentation

Jorge Concha Sánchez		Urban heat island and impact on territories, Colombia. Stage 1-Impact on buildings
Guoqiang Shen	The University of Oklahoma	Modelling Ecosystem Services at Finer Spatial Levels The Case of Corvallis, Oregon
Qinghua Gong, Guangqing Huang, Hai xian xiong Gong	Guangdong Open Laboratory of Geospatial Information Technology	Research on Waterfront Space Organization Based on Hydrographic Ecological Risk Assessment in ShunDe city in south china

	and Application, Guangzhou Institute of Geography	
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July 9, 2016 Poster Presentation at the Plenary Hall

10:00-10:30

Session 2—Poster Presentation

ZHANG Xiupeng	Institute of Remote Sensing and Digital Earth, CAS	Research on ecological function regionalization method of coupled ecosystem services and ecological sensitivity analysis
Wang Cuiping	Jimei University	Research on Evaluating the Industrial Structure and the Functional Specialization of the Urban Agglomeration in China
Bei Cui	Institute of Remote Sensing and Digital Earth, CAS	Urban spatial extension pattern evolution and simulation study based on land resources intensive utilization
Izakovicova	Institute of Landscape Ecology Slovak Academy of Science	The assessment of cultural ecosystem services in the urban area
Jing Sun	Key Laboratory of Urban Environment and Health, Institute of Urban Environment, CAS	Assessment of urban low carbon development in china
Kun Yuan	East China Normal University	Historical development and regularity for livability in global city

Session 9—Poster Presentation

Jingyao Gu	Pennsylvania State University	Fitting Industry into Urban Sustainability through Industrial Symbiosis Analysis A Case Study in a Chinese Industrial Park
Dai Min	Institute of Urban Environment, Chinese Academy of Sciences	Measuring China's Development and Urbanization Level by In-Use Product Stocks
Qiu Yiwen	Peking University	The Dynamics of Agglomeration Economies from the Industrial Life Cycle Perspective
Lulu Song	Institute of Urban Environment, CAS	Mapping in-use steel stocks of Xiamen Island using a GIS-based approach

Session 12—Poster Presentation

Chen PAN	East China Normal University	xtration and uncertainty analysis of impervious surface based on multi-source remote sensing data in Yangtze River Delta, China
Chunyu LIU	School of political science and public administration, Huaqiao University	The temporal-spatial changes and dynamic mechanism of carbon sourcesink of provincial ecosystem---a case of Gansu province
Jingli YAN	Research Center for Eco-Environmental Sciences, CAS	Mapping vegetation functional types in urban areas with WorldView-2 imagery Integrating object-based classification with phenology
jingzhong LI	Northwest University	Remote Sensing based Investigation on the Vegetation Recovery after the 5.12 Wenchuan Earthquake
Ze Tang	Northeast Institute of Geography and Agroecology, CAS	Spatial and temporal changes in urban surface thermal landscape pattern-A case of Changchun City
Siyu ZHANG	Key Laboratory of Wetland Ecology and Environment, Northeast Institute of Geography and Agroecology, CAS	Estimation of tree height in urban using UAV imagery

Session 15—Poster Presentation

María Mejía	Humboldt Institute	Naturaleza Urbana en Colombia
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Wang Qiong	Northeast Institute of Geography and Agroecology, CAS	Spatial Variations of Glomalin Related Soil Protein in Urban Forest Soil in Northeastern China
CHEN Xi	College of urban and environmental sciences, Peking University	Optimization of urban spatial pattern under the background of global change
Eduardo Medina-Roldán, Dr.	Xi'an Jiaotong-Liverpool University	Urban Parks Soil Carbon as Predicted by Ecosystem Development and Time since Disturbance Theories
Jianhua Wang, MS	East China Normal University	The evaluation of the feasibility and effectiveness on a new substrate material of ecological embankment
Laura Marcela Pinzón Gaitan	Javeriana University	Evaluate the vegetative propagation of three native species on different substrates, for possible implementation in green roof
Wenxiao Jia, MS	East China Normal University	Optimization and evaluation of key photosynthesis parameters in forest ecosystems based on FLUXNET data and VPM model