



**The Fourth International Conference on Natural Resource
Management and Public Policy**

Online Conference

October 22-23, 2021

Organizer

Huazhong Agricultural University (HZAU)

Leibniz Institute of Agricultural Development in Transition Economies
(IAMO)

The University of Melbourne

Co-organizer

College of Public Administration (HZAU)

College of Land Management (HZAU)

Department of Structural Change (IAMO)

China International Research Group (IAMO)

Centre for Contemporary Chinese Studies (MELBU)

School of Management (WHPU)

Background

The Fourth International Conference on Natural Resource Management and Public Policy provides a platform for domestic and international experts and scholars to enhance academic exchange and international cooperation and advance acknowledgement of the newest research results on the adequate supply of natural resource management. The conference will be organized by Huazhong Agricultural University, where the first, second and third conferences have been successfully held with great attention and recognition. This conference aims to explore the related issues and countermeasures of an adequate supply of natural resource management in China and the rest of the world. Internationally renowned scholars and policymakers will be brought together to present and discuss their insights and suggestions.

Conference Time and Format

Time:October22-23, 2021

Format:ZOOM(For experts and presenters ,other participators via DingT live broadcast ,please visit the website updating)

Plenary sessions-keynote(October 22,2021):

ZOOM ID:737 427 4795

Parallel session 1-3 (Beijing time 9:00-12:10,October 23,2021):

Parallel Session I (Zoom ID:884 7709 5064)

Parallel Session II (Zoom ID:846 7943 5111)

Parallel Session III(Zoom ID:869 5754 7804)

Parallel session 4-6(Beijing time 14:00-17:30,October 23,2021):

Parallel Session IV(Zoom ID:884 7709 5064)

Parallel Session V (Zoom ID:846 7943 5111)

Parallel Session VI(Zoom ID:869 5754 7804)

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October 22-23, 2021, Wuhan, China
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Friday, 22 October

8:30-9:00 (Beijing time) OPENING CEREMONY

Ping Qing, Huazhong Agricultural University, China
Zhanli Sun, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany
Mark Wang, The University of Melbourne, Australia
Chair: Anlu Zhang, Huazhong Agricultural University, China

9:00-10:40 (Beijing time) PLENARY SESSION I

Ecological payment and eco-service market

Alexander Pfaff, Duke University, USA

Political economy & Deforestation

Shuhao Tan, Renmin University of China, China

How can the compensation for grassland ecological services policy be more effective?— An analysis based on environmental justice theory

Van Butsic, University of California, Berkeley, USA

Land use and global carbon markets: Best practices and challenges

Li Tian, Tsinghua University, China

Impacts of major function-oriented zoning on regional development : A perspective of land development rights

Chairs: Liangzhi You, The International Food Policy Research Institute (IFPRI), USA

Anlu Zhang, Huazhong Agricultural University, China

10:50-12:30 (Beijing time) PLENARY SESSION II

Water property right and natural resource evaluation

Mark Wang, The University of Melbourne, Australia

New research perspectives on the greening BRI: Three project-based research agendas

Jinxia Wang, Peking University, China

Forty years of irrigation management reform in China

Chunbo Ma, The University of Western Australia, Australia

Environment and regional development policy: Evidence from the rise of central China program

Peter Ho, Delft University of Technology, the Netherlands/Zhejiang University, China

The credibility thesis, natural resources, and modelling

Chairs: Chunguang Huang, National Tsing Hua University, Taiwan (China)

Anlu Zhang, Huazhong Agricultural University, China

LUNCH BREAK

14:00-15:15 (Beijing time) PLENARY SESSION III

Natural resource institution innovation and policy reform (A)

Thomas Herzfeld, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Role of land reforms on structural change in agricultural labour: A cross-country analysis

Shuyi Feng, Nanjing Agricultural University, China

Agricultural extension and China's land fertility conservation

Justus Wesseler, Wageningen University & Research, The Netherlands

Natural resource management and the bioeconomy— economics and policies

Chairs: Zhanli Sun, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Lanjiao Wen, Huazhong Agricultural University, China

15:30-16:45 (Beijing time) PLENARY SESSION III

Natural resource institution innovation and policy reform (B)

Gang Liu, University of Southern Denmark, Denmark

Bridging policy–practice gap: Resource and environment management from an industrial ecology perspective

Xiaoling Zhang, City University of Hong Kong, Hong Kong (China)

Introducing nature-based solutions into resources' management and policy: Five paradigms

Zhanli Sun, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Forest transition of China: A historical and systemic perspective

Chairs: Zhanli Sun, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Lanjiao Wen, Huazhong Agricultural University, China

Saturday, 23 October

9:00-11:40 (Beijing time) PARALLEL SESSION I, II, III

PARALLEL SESSION I
Social security and rural-urban development

Lei Yu, The University of Melbourne, Australia

Huan Yang, Huazhong Agricultural University, China

PARALLEL SESSION II
Environmental management, resource evaluation and institutional innovation

Dong Wang, Australian National University, Australia

Yixiao Zhou, Australian National University, Australia

PARALLEL SESSION III
Green space and climate neutrality

Chen Zeng, Huazhong Agricultural University, China

Yanjun Ren, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

LUNCH BREAK

14:00-17:20 (Beijing time) PARALLEL SESSION IV, V, VI

PARALLEL SESSION IV
Farmland management and agricultural innovation

Kristin Leimer, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Yan Jin, Rural Economy and Development Centre, Teagasc, Mellows Campus, Athenry, Ireland

PARALLEL SESSION V
Natural resource efficiency and sustainability

Stephan Brosig, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Soeren Prehn, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

PARALLEL SESSION VI
Resource development and natural resource market

Nodir Djanibekov, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany

Junnan He, Sciences Po, France

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Beijing Time	Speaker	Institution	Title	Chair
8:30-9:00	Ping Qing	Huazhong Agricultural University	Opening Ceremony	Anlu Zhang
	Zhanli Sun	Leibniz Institute of Agricultural Development in Transition Economies (IAMO)		
	Mark Wang	The University of Melbourne		
Plenary Session I : Ecological payment and eco-service market				
09:00-09:25	Alexander Pfaff	Duke University	Political economy & Deforestation	Liangzhi You/Anlu Zhang
09:25-09:50	Shuhao Tan	Renmin University of China	How can the compensation for grassland ecological services policy be more effective?– An analysis based on environmental justice theory	
9:50-10:15	Van Butsic	University of California, Berkeley	Land use and global carbon markets: Best practices and challenges	
10:15-10:40	Li Tian	Tsinghua University	Impacts of major function-oriented zoning on regional development : A perspective of land development rights	
Plenary Session II : Water property right and natural resource evaluation				
10:50-11:15	Mark Wang	The University of Melbourne	New research perspectives on the greening BRI: Three project-based research agendas	ChungHuang Huang /Anlu Zhang
11:15-11:40	Jinxia Wang	Peking University	Forty years of irrigation management reform in China	
11:40-12:05	Chunbo Ma	The University of Western Australia	Environment and regional development policy: Evidence from the rise of central China program	
12:05-12:30	Peter Ho	Delft University of Technology, the Netherlands	The credibility thesis, natural resources, and modelling	
12:30-14:00	Lunch Break			
Plenary Session III: Natural resource institution innovation and policy reform (A)				
14:00-14:25	Thomas Herzfeld	Leibniz Institute of Agricultural Development in Transition Economies (IAMO)	Role of land reforms on structural change in agricultural labour: A cross-country analysis	Zhanli Sun/Lanjiao Wen
14:25-14:50	Shuyi Feng	Nanjing Agricultural University	Agricultural extension and China's land fertility conservation	
14:50-15:15	Justus Wesseler	Wageningen University & Research	Natural resource management and the bioeconomy– economics and policies	
Plenary Session III: Natural resource institution innovation and policy reform (B)				
15:30-15:55	Gang Liu	University of Southern Denmark	Bridging policy–practice gap: Resource and environment management from an industrial ecology perspective	Zhanli Sun/Lanjiao Wen
15:55-16:20	Xiaoling Zhang	City University of Hong Kong	Introducing nature-based solutions into resources' management and policy: Five paradigms	
16:20-16:45	Zhanli Sun	Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany	Forest transition of China: A historical and systemic perspective	

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Beijing Time	Speaker	Institution	Title	Chair & Discussants
Parallel Session I : Social security and rural-urban development (A)				
9:00-9:20	Xinran Liu	Qilu University of Technology	Effects of free textbooks on academic performance: Evidence from China's compulsory education	Chair: Lei Yu Discussants: Yanhua Fu, Huan Yang, Xin Yang
9:20-9:40	Chunting Wei	Huazhong Agricultural University	Consideration on social organizations' participation in home-based care for the aged: Investigation from the perspective of the aged	
9:40-10:00	Xuele Li	Nanjing Agricultural University	Analysis of policies to promote the employment of recipients of minimum living standards guarantee program in urban China	
10:00-10:20	Haoli Xiao	Huazhong Agricultural University	Delimitation of urban development boundaries and its implementation policies in in Wuhan	
Parallel Session I : Social security and rural-urban development (B)				
10:30-10:50	Lei Yu	The University of Melbourne	Housing safety net for whom? The evolving logic of public housing provision in Chinese cities	Chair: Huan Yang Discussants: Lei Yu, Yanhua Fu, Xin Yang
10:50-11:10	Zhu Chen	Tianjin Chengjian University	Combining the land development prediction model into UGBs demarcation: a case study in Tianjin, China	
11:10-11:30	Li Li	Huazhong Agricultural University	A mechanism study of the intensity of land property rights on farmers' family labor allocation——Based on CLDS data	
11:30-11:50	Qing Yang	Hainan University	Housing property redistribution and elite capture in the redevelopment of urban villages: A case study in Wuhan, China	
Parallel Session II : Environmental management, resource evaluation and institutional innovation (A)				
9:00-9:20	Yixiao Zhou	The Australian National University	Has R&D contributed to productivity in China? The role of basic, applied and experimental R&D	Chair: Dong Wang Discussants: Yixiao Zhou, Kaili Peng, Han Wang
9:20-9:40	Xiaohe Zhou	Huazhong Agricultural University	The effect of environmental literacy on farmers' conservation tillage adoption behavior	
9:40-10:00	Minghui Zhang	Central China Normal University	How can institutions emphasize equity or efficiency be formed? The case of China's rural land institutional changes	
10:00-10:20	Mengna Qi	Huazhong Agricultural University	Land incremental value and benefit distribution of collectively-owned operating construction land: A spatiotemporal analysis of 26 pilot areas, China	

	Parallel Session II : Environmental management, resource evaluation and institutional innovation (B)			
10:30-10:50	Dong Wang	The Australian National University	Rural transformation: Definition, measurement, and indicators	Chair: Yixiao Zhou Discussants: Dong Wang, Kaili Peng, Han Wang
10:50-11:10	Yiming Sang	University of Chinese Academy of Sciences	Livelihood capital and rural households' willingness to pay for non-market value of farmland protection: Evidence from Jingshan city and Yicheng city in Hubei Province, China	
11:10-11:30	Mengba Liu	Huazhong Agricultural University	Research on the game mechanism of cultivated land ecological compensation standards determination: Based on the empirical analysis of the Yangtze River Economic Belt, China	
11:30-11:50	Jianxian Wu	Guangxi University	The wisdom of gradual implementation: Assessing the impact of national eco-industrial demonstration parks on the economic benefits of China's green transition	
11:50-12:10	Siyu Zhang	Huazhong Agricultural University	Exploring spatial supply-demand mismatches and synergic strategies of multifunctional cultivated land at multiscale	
	Parallel Session III: Green space and climate neutrality (A)			
9:00-9:20	Yan Jun Ren	Leibniz Institute of Agricultural Development in Transition Economies (IAMO)	Does the forest carbon sinks project affect food security? Evidence from Sichuan, China	Chair: Chen Zeng Discussants: Yan Jun Ren, Wumeng He, Lijuan Miao
9:20-9:40	Yan Ma	Wuhan Polytechnic University	Provincial ecological welfare performance level measurement and its spatial-temporal evolution analysis in China—Based on panel data of 30 provinces (municipalities and autonomous regions) from 2004 to 2017	
9:40-10:00	Hui Zhang	Nanjing University of Information Science and Technology	Continuously vegetation greening over Inner Mongolia for the past three decades	
10:00-10:20	Jianling Liu	Huazhong Agricultural University	The dynamic changes of carbon emission from land use and low carbon environment management under different scenarios from 2000 to 2030 in Xiamen, Zhangzhou and Quanzhou metropolitan area	
	Parallel Session III: Green space and climate neutrality (B)			
10:30-10:50	Xing Yuan	Jiangsu Province Surveying and Mapping Engineering Institute	Analysis of spatial differences in the performance appraisal of land renovation project based on entropy weight method and investment priorities	Chair: Yan Jun Ren Discussants: Chen Zeng, Wumeng He, Lijuan Miao
10:50-11:10	Yihang Hu	Central China Normal University	An empirical study on the decoupling relationship between agricultural production and land carrying capacity	
11:10-11:30	Qing Li	Huazhong Agricultural University	Community-level urban green space equity evaluation based on spatial design network analysis (sDNA): A case study of central Wuhan, China	
11:30-11:50	Wenbo Xu	Tianjin University	Research on channel encroachment and low-carbon emission reduction strategies of upstream production enterprises from the perspective of demand information asymmetry	
11:50-12:10	Qiuyue Xia	Huazhong Agricultural University	Reduction Effect and Mechanism Analysis of Carbon Trading Policy on Carbon Emissions from Land Use	

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Beijing Time	speaker	Institution	Title	Chair & Discussants
Parallel Session IV: Farmland management and agricultural innovation (A)				
14:00-14:20	Yan Jin	Rural Economy and Development Centre, Teagasc, Mellows Campus, Athenry, Ireland	Price responsiveness of rice farmers and the effectiveness of grain support policies in China	Chair: Kristin Leimer Discussants: Hang Xiong, Yan Jin, Ge Wang
14:20-14:40	Jiang Du	Wuhan Polytechnic University	Estimation of agricultural carbon emissions and low carbon transition in China: Provincial data from 1991 to 2016	
14:40-15:00	Yu Hong	Beijing Institute of Technology	Public or private extension services? Evidence from fertilizer use reduction of apple production in China	
15:00-15:20	Jinhua Xie	Huazhong Agricultural University	Substitutes or complements? Exploring the impact of environmental regulations and informal institutions on the clean energy utilization behaviors of farmers	
Parallel Session IV: Farmland management and agricultural innovation (B)				
15:30-15:50	Yanling Peng	Sichuan Agricultural University	Farmer's heterogeneous preference for select farmland management right mortgages attributes: Empirical evidence from Western rural China	Chair: Yan Jin Discussants: Hang Xiong, Han Wang, Ge Wang
15:50-16:10	Yangyi Zeng	Leibniz Institute of Agricultural Development in Transition Economies (IAMO)	The effect of off-farm work on the choice of pesticides: Evidence from vegetable farmers in Sichuan, China	
16:10-16:30	Jue Wang	Chengdu University of Technology	Irrigation, landslides, and livelihoods: Changes, challenges, and opportunities of irrigation social-ecological system in Heifangtai, Loess Plateau, North China	
16:30-16:50	Juan Li	Wuhan Polytechnic University	The role of skepticism and transparency in shaping green brand authenticity and green brand evangelism	
16:50-17:10	Wenjing Fan	Huazhong Agricultural University	Does commute time of rural off-farm employment laborers affect rural land management rights outflow behavior? Evidence from China	
Parallel Session V: Natural resource efficiency and sustainability (A)				
14:00-14:20	Wumeng He	Wuhan University	Nutritional impact of PES in China	Chair: Stephan Brosig Discussants: Soeren Prehn, Chengchao Zuo, Zhihui Li
14:20-14:40	Pengrui Wang	Huazhong Agricultural University	The spatial effect of administrative division on land development intensity	
14:40-15:00	Brian Beadle	Leibniz Institute of Agricultural Development in Transition Economies (IAMO)	Analysis of (non-)food crop production and farm-level sustainability in Germany with the application of a multidimensional index for sustainable agriculture	
15:00-15:20	Tianyu Lv	Huazhong Agricultural University	Ecological footprint and transportation networks: A spatially explicit perspective	

Parallel Session V : Natural resource efficiency and sustainability (B)				
15:30-15:50	Junfeng Zhang	Zhongnan University of Economics and Law	China's regional land resources misallocation and land supply side reform	Chair: Soeren Prehn Discussants: Huan Yang, Chengchao Zuo, Zhihui Li
15:50-16:10	Pengli Cheng	Chongqing University of Science and Technology	Social presentation of the relationship between shale gas development and earthquake from the perspective of theoretical modeling	
16:10-16:30	Lu Peng	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	An environmentally-extended input-output model to analyze links between industry structure and water environment in Yangtze River Economic Belt	
16:30-16:50	Yamin Li	Tianjin Chengjian University	Analysis of the Spatio-temporal Evolution of Land Intensive Use and Land Ecological Security in Tianjin from 1980 to 2019	
16:50-17:10	Huan Li	Huazhong Agricultural University	Quantitative analysis on the impact of lakes on apartment price——A case study of Wuhan, Hubei, China	
Parallel Session VI: Resource development and natural resource market (A)				
14:00-14:20	Yumeng Wang	Renmin University of China	Will land titling help reduce cropland abandonment? Evidence from China	Chair: Nodir Djanibekov Discussants: Junnan He, Min Song, Yanhua Fu
14:20-14:40	Meie Deng	Wuhan Polytechnic University	Effect of transaction rules on RSCs transaction costs based on Williamson transaction cost theory in Nanhai, China	
14:40-15:00	Lanjiao Wen	Huazhong Agricultural University	Can China's unified construction land market mitigate urban land shortage? Evidence from Deqing and Nanhai, Eastern coastal China	
15:00-15:20	Luping Yi	Zhongnan University of Economics and Law	Compensating the regulated areas considering the differences in territory spatial regulation intensity : Direction, quantity, and value	
Parallel Session VI: Resource development and natural resource market (B)				
15:30-15:50	Fangsheng Liu	Peking University	The government published price system of natural resources and its formation mechanism	Chair: Junnan He Discussants: Min Song, Lanjiao Wen, Yanhua Fu
15:50-16:10	Caiyun Chen	Wuhan Polytechnic University	Land consolidation and agricultural enterprise innovation: Quasi-natural experimental evidence from China	
16:10-16:30	Wenfang Pu	Huazhong Agricultural University	Can China's industrial land market reform promote the development of industrial economy	
16:30-16:50	Man Jiao	Tianjin University	Do collective operating construction land entering the market inhibit state-owned industrial land transactions? evidence from Huzhou City, China	
16:50-17:10	Shenjie Yang	Huazhong Agricultural University	The mechanisms of price movement and price determination for collectively-owned operating construction land between 2015 and 2020——An empirical analysis of 26 pilot areas based on hedonic hierarchical linear model	