



Program of 2022 Global Food Security Forum for Young Scientists

2022全球粮食安全青年科学家论坛暨联盟成立仪式

2-3 December, 2022 | Wuhan, China

Organized by

Huazhong Agricultural University (HZAU)

International Food Policy Research Institute (IFPRI)

International Maize and Wheat Improvement Center (CIMMYT)

Leibniz Institute of Agricultural Development in Transition Economies (IAMO)



華中農業大學
HUAZHONG AGRICULTURAL UNIVERSITY



INTERNATIONAL
FOOD POLICY
RESEARCH
INSTITUTE



CIMMYT^{MR}
International Maize and Wheat Improvement Center

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Leibniz Institute of Agricultural Development
in Transition Economies

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Welcome Letter

Dear Colleagues,

It is my great pleasure to welcome you to 2022 Global Food Security Forum for Young Scientists on December 2-3, 2022. This event is held by Huazhong Agricultural University (HZAU), and jointly organized by International Food Policy Research Institute (IFPRI), International Maize, Wheat Improvement Center (CIMMYT), and Leibniz Institute of Agricultural Development in Transition Economies (IAMO). This is a hybrid event with the main venue on the HZAU campus and online sessions available through ZOOM Meetings.

The Forum is an event of Global Food Security Association for Young Scientists. The association aims to bring together scientists, scholars and innovators from different subjects to discuss their research findings and exchange innovative ideas on all aspects of global food security and bring together young scientists worldwide to conduct research, provide policy support and promote optimal practices on food security issues.

I look forward to meeting with you all online or on campus. I sincerely invite you to visit the humanistic, free, open and beautiful Huazhong Agricultural University in person in the near future.

Sincerely,

*Prof. Zhaohu Li
President of Huazhong Agricultural University*

Global Food Security Association for Young Scientists

The world is undergoing profound changes and facing severe challenges. In recent years, due to the Covid-19 pandemic, climate disasters, regional conflicts and violence, the global economy is confronted with the greatest challenges in decades. Global food security and nutrition status are deteriorating. Governments, scientists, and international institutes around the world are working together to provide innovative strategies to address emerging and potential challenges. The young generation plays an important role in the governance of current global affairs and will also be the future decision-makers in global affairs. Young scientists are an important force in continuing to promote global dialogue and multilateral cooperation and are the most active and innovative force in tackling global food and inequality issues.

Young Scientists Association of Global Food Security is established to connect young scientists around the world, working in the fields of food security such as climate change, agricultural systems, agricultural technologies, food production, agricultural trade and markets, and food consumption. The association is committed to providing an international platform to encourage young scientists to communicate, exchange ideas, and give voice to the world.

Funder Institutes

- Huazhong Agricultural University (HZAU)
- International Food Policy Research Institute (IFPRI)
- International Maize and Wheat Improvement Center (CIMMYT)
- Leibniz Institute of Agricultural Development in Transition Economies (IAMO)

Advisory Board

- Prof. Zhaoju Li (Huazhong Agricultural University)
Prof. Qing Ping (Huazhong Agricultural University)
Dr. Bram Govaerts (International Maize and Wheat Improvement Center)
Prof. Thomas Glauben (Leibniz Institute of Agricultural Development in Transition Economies)
Prof. Channing Arndt (International Food Policy Research Institute)
Prof. Shenggen Fan (China Agricultural University)
Prof. Guoqiang Cheng (Renmin University of China)
Prof. Jing Zhu (Nanjing Agricultural University)
Dr. Liangzhi You (International Food Policy Research Institute)
Prof. Xiaohua Yu (University of Goettingen)
Prof. Shaobing Peng (Huazhong Agricultural University)

Presidium: Prof. Xiaoyun Li, Prof. Gucheng Li, Dr. Derek Headey, Dr. Awais Rasheed, Dr. Zhanli Sun

Secretariat: Prof. Hang Xiong, Dr. Xuecai Zhang, Dr. Lena Kuhn, Prof. Shi Min, Dr. Jian Li, Dr. Chuan Tang, Dr. Zhuang Hao

Secretary-general: Prof. Hang Xiong

Event Timeline

Date: December 2-3, 2022 (All times are UTC+8)

Venue: Room M412, Humanities and Social Sciences Building, Huazhong Agricultural University, Wuhan, China (in-person)

ZOOM Meeting Rooms: For experts and presenters (online)



Please use the QR code to stream the conference

Date	Time	Content	(Address/ Platform)
Dec 2	20:00-21:40	Launch Ceremony of the Association	Room: M412 ZOOM: 972 699 2369
	21:40-22:00	Announcement of the Initiative	
Dec 3	08:10-08:30	Opening Ceremony	Room: M412 ZOOM: 972 699 2369
	08:30-10:30	Plenary Session I	Room: M412 ZOOM: 972 699 2369
	10:40-12:40	Parallel Session I-A	Online Session ZOOM: 972 699 2369
	10:40-12:40	Parallel Session I-B	Online Session ZOOM: 814 7809 6520
	10:40-12:40	Parallel Session I-C	Online Session ZOOM: 737 427 4795
	10:40-12:40	Parallel Session I-D	Online Session ZOOM: 813 6612 0234
	14:00-16:00	Parallel Session II-A	Online Session ZOOM: 972 699 2369
	14:00-16:00	Parallel Session II-B	Online Session ZOOM: 814 7809 6520
	14:00-16:00	Parallel Session II-C	Online Session ZOOM: 737 427 4795
	14:00-16:00	Parallel Session II-D	Online Session ZOOM: 813 6612 0234
	16:10-17:30	Plenary Session II	Room: M412 ZOOM: 972 699 2369
	17:30-18:00	Close ceremony	Room: M412 ZOOM: 972 699 2369

Agenda

Launch Ceremony of Global Food Security Association for Young Scientists

December 2, 2022, 20:00-22:00 UTC +8

Address: Room M412, Humanities and Social Sciences Building, HZAU

ZOOM Meeting ID: 972 699 2369; **Passcode:** 202212

Time	Content
	Chair: Prof. Ping Qing, Vice President of Huazhong Agricultural University Secretary: Dr. Zhuang Hao, Huazhong Agricultural University
20:00-20:40	Launch Ceremony Speech Prof. Zhaohu Li, President of Huazhong Agricultural University Dr. Channing Arndt, IFPRI Dr. Iván Ortiz Monasterio, CIMMYT Prof. Thomas Glauben, IAMO
20:40-20:50	Introduction of the Global Food Security Association for Young Scientists
20:50-21:20	View of Advisory Board
21:20-21:30	Launch Ceremony
	Chair: Prof. Gucheng Li, Huazhong Agricultural University Secretary: Dr. Zhuang Hao, Huazhong Agricultural University
21:30-21:40	Speech by Student Representative Ms. Xinyan Hu, Huazhong Agricultural University
21:40-22:00	Announcement of the Initiative Prof. Xiaoyun Li, Huazhong Agricultural University

Opening Ceremony: December 3, 2022

Address: Room M412, Humanities and Social Sciences Building, HZAU

ZOOM Meeting ID: 972 699 2369; **Passcode:** 202212

Time	Content
	Chair: Prof. Gucheng Li, Huazhong Agricultural University Secretary: Dr. Xinyue He, Huazhong Agricultural University
8:10-8:30	Opening Ceremony Speech Prof. Jianbing Yan, Vice President of Huazhong Agricultural University Dr. Jingyuan Xia, Food and Agriculture Organization of the United Nations

Plenary Session I

Address: Room M412, Humanities and Social Sciences Building, HZAU

ZOOM Meeting ID: 972 699 2369; **Passcode:** 202212

Time	Content
	Chair: Prof. Xiaoyun Li, Huazhong Agricultural University Secretary: Dr. Xinyue He, Huazhong Agricultural University
08:30-09:10	Providing Foods Healthy for Both Mankind and The Planet: Rice in The Post-Genomics Era Prof. Qifa Zhang, Huazhong Agricultural University
09:10-09:50	The Power of Young Researchers to Transform Agri-food Systems Dr. Bram Govaerts, CIMMYT
09:50-10:30	The Evolution of Agricultural Productivity: A Dynamic Spatial Analysis Prof. Jean-Paul Chavas, University of Wisconsin-Madison

Parallel Session I-A: Sustainable Agricultural Development and Maintenance of Environment

Online Session

ZOOM Meeting ID: 972 699 2369; **Passcode:** 202212

Time	Content
	Chair: Prof. Lu Zhang, Huazhong Agricultural University Discussants: Dr. Xuecai Zhang, CIMMYT Dr. Fan Li, Huazhong Agricultural University Secretary: Dr. Xiaotian Liu, Huazhong Agricultural University
10:40-11:10	Life on Green Pastures Sky High – An Investigation of Livelihood Dynamics in Henan County on the Qinghai-Tibet Plateau through A Transdisciplinary Systems Lens Dr. Sharon Lucock, Lincoln University
11:10-11:40	RMA Projected Prices and Asymmetric Effects on Prevented Planting Claims Dr. Lawson Connor, University of Arkansas
11:40-12:10	Identifying Opportunities to Close Yield Gaps in China by Use of Certificated Cultivars to Estimate Potential Productivity Dr. Bangbang Zhang, Northwest A&F University
12:10-12:40	Impact of CGIAR Maize Germplasm in Developing Countries Dr. Xuecai Zhang, CIMMYT

Parallel Session I-B: Resilience of Global Food System and Food Supply Chains

Online Session

ZOOM Meeting ID: 814 7809 6520; **Passcode:** 202212

Time	Content
	Chair: Prof. Wei Xie, Peking University Discussants: Dr. Zhuang Hao, Huazhong Agricultural University Prof. Rui Mao, Zhejiang University Secretary: Dr. Xuan Gong, Huazhong Agricultural University
10:40-11:10	Federal Food Assistance Programs and Diet Dr. Zhuo Chen, University of Georgia
11:10-11:40	Consumption-Side Separability Test of Agricultural Households Dr. Yawotse Nouve, University of Georgia
11:40-12:10	The Efficiency and Environmental Impacts of Chinese Food System Dr. Li Xue, China Agricultural University
12:10-12:40	Coupling of Agricultural Production Resilience and Agricultural Support Policies Prof. Youhua Chen, South China Agricultural University

Parallel Session I-C: Digital and Smart Food Production

Online Session

ZOOM Meeting ID: 737 427 4795; **Passcode:** 202212

Time	Content
	Chair: Dr. Ke He, Huazhong Agricultural University Discussants: Prof. Hang Xiong, Huazhong Agricultural University Dr. Awais Rasheed, CIMMYT Secretary: Dr. Haiou Mao, Huazhong Agricultural University
10:40-11:10	Does Farmers' Adoption of Biofortification Crop Technologies Improve Production Performance? Dr. Jing Zeng, Hunan University of Science and Technology
11:10-11:40	Data and Model Driven Food Production System Analytics Prof. Tao Lin, Zhejiang University
11:40-12:10	Model-based Prediction of Wheat Productivity and Impact Assessment Under Climate Change Prof. Bing Liu, Nanjing Agricultural University
12:10-12:40	CIMMYT's Role for Resilient Wheat Based Global Food Security Dr. Awais Rasheed, CIMMYT

Parallel Session I-D: Change of Dietary Patterns and Transition of Agri-food System

Online Session

ZOOM Meeting ID: 813 6612 0234; Passcode: 202212

Time	Content
	Chair: Prof. Shi Min, Huazhong Agricultural University Discussants: Prof. Yanjun Ren, Northwest A&F University Prof. Yan Bai, Zhejiang University Secretary: Dr. Yuze Wang, Huazhong Agricultural University
10:40-11:10	Estimating Willingness to Pay Differences: Evidence from Choice Experiment and BDM Results under Different Consequentiality Treatments Dr. Pengfei Liu, University of Rhode Island
11:10-11:40	Consumer Preferences for Healthy Snacking in the United States Prof. Zhifeng Gao, University of Florida
11:40-12:10	From Food Security to Ensuring Effective Supply of Important Agricultural Products: The Logic of China's Food security Policy in the New Development Stage Dr. Haotian Qi, Southwest University
12:10-12:40	More Active Community Participation, Higher Food Security? The Role of Women's Empowerment in The Underdeveloped Rural Areas in China Dr. Jinghui Hao, Huazhong Agricultural University

Parallel Session II-A: Sustainable Agricultural Development and Maintenance of Environment

Online Session

ZOOM Meeting ID: 972 699 2369; Passcode: 202212

Time	Content
	Chair: Dr. Juan He, Huazhong Agricultural University Discussants: Dr. Xiaohui Tian, Renmin University of China Dr. Juan He, Huazhong Agricultural University Secretary: Dr. Zhengcong Wang, Huazhong Agricultural University
14:00-14:30	Forest Policy and Carbon Sequestration Potential of China: An Analysis Using Global Timber Market Model Dr. Xiaohui Tian, Renmin University of China
14:30-15:00	Modelling the Ideal Drought Index Insurance Product and Its Impact on Farmer Wellbeing: A Case of Smallholder Farmers in Ghana Dr. Alirah Weyori, World Food Programme, UN
15:00-15:30	Appropriability of Returns to Training as A Barrier to Technology Adoption: Evidence from Burundi Dr. Pedro Naso, Swedish University of Agricultural Sciences
15:30-16:00	Design Optimal Food Safety Monitoring Schemes Along Food Supply Chains Dr. Zhengcong Wang, Huazhong Agricultural University

Parallel Session II-B: Resilience of Global Food System and Food Supply Chains

Online Session

ZOOM Meeting ID: 814 7809 6520; Passcode: 202212

Time	Content
	Chair: Dr. Jian Li, Huazhong Agricultural University Discussants: Dr. Zeyu Zhang, Huazhong Agricultural University Dr. Sylvie Wabbes Cantotti, UN-FAO Secretary: Dr. Longzhong Shi, Huazhong Agricultural University
14:00-14:30	Multi-risk Management for Resilient Agriculture and Food Systems Dr. Sylvie Wabbes Cantotti, UN-FAO
14:30-15:00	Wildfood and Food Security Dr. Rahut Dil, Asian Development Bank Institute
15:00-15:30	Urban Agriculture as A Solution for Food Security Issues: Evidence from South Africa Dr. Enoch Owusu-Sekyere, Swedish University of Agricultural Sciences
15:30-16:00	Resilience Against Shocks and Poverty in Developing Countries: Evidence From Panel Data for Rural Thailand and Vietnam Dr. Trung Thanh Nguyen, Leibniz University Hannover

Parallel Session II-C: Digital and Smart Food Production

Online Session

ZOOM Meeting ID: 737 427 4795; Passcode: 202212

Time	Content
	Chair: Dr. Zhanli Sun, IAMO Discussants: Dr. Lena Kuhn, IAMO Dr. Chuan Tang, Huazhong Agricultural University Secretary: Dr. Hongyun Zheng, Huazhong Agricultural University
14:00-14:30	Digitization of China's Agriculture: First Insights From the Project DITAC Dr. Lena Kuhn, IAMO
14:30-15:00	The Effect of Knowledge Interventions on Farmers' Willingness to Pay for Smart Farming Technologies: Evidence From A Field Experiment in China Ms. Hui Tao, Huazhong Agricultural University
15:00-15:30	Smallholders Farmers Coping with The Threat of Desertification and Climate Change: Evidence from The Sudan Savanna Agro-ecological Zone, Ghana Dr. Alex Barimah Owusu, University of Ghana
15:30-16:00	The Adoption of Mobile Phones in Combating Banana Deceases Among Farmers in Rwanda Mr. Michel Kabirigi, IAMO

Parallel Session II-D: Change of Dietary Patterns and Transition of Agri-food System

Online Session

ZOOM Meeting ID: 813 6612 0234; Passcode: 202212

Time	Content
	Chair: Prof. Xuan Chen, Huazhong Agricultural University Discussants: Prof. Xiaobing Wang, Peking University Prof. Xuan Chen, Huazhong Agricultural University Secretary: Dr. Zihai Yang, Huazhong Agricultural University
14:00-14:30	Diversifying China's Grain Imports: Trends, Challenges and Policy Implications Dr. Tianxiang Li, Nanjing Agricultural University
14:30-15:00	Demand for Plant-based Milk and Effects of a Carbon Tax on Fresh Milk Consumption in Sweden Dr. Wei Huang, Swedish University of Agricultural Sciences
15:00-15:30	Sustainable Food Consumption: Encourage Consumers to Make Sustainable Choices in The Store Dr. Sarah Säll, Swedish University of Agricultural Sciences
15:30-16:00	The Complexity of A Food Transition Dr. Wander Jager, University of Groningen

Plenary Session II

Address: Room M412, Humanities and Social Sciences Building, HZAU

ZOOM Meeting ID: 972 699 2369; Passcode: 202212

Time	Content
	Chair: Prof. Tingwu Yan, Huazhong Agricultural University Secretary: Dr. Wenjing Li, Huazhong Agricultural University
16:10-16:50	The Cost of Good Nutrition Dr. Derek Headey, IFPRI
16:50-17:30	Receiving Remittances and Subjective Wellbeing in Moldova Prof. Thomas Herzfeld, IAMO

Close Ceremony: December 3, 2022

Address: Room M412, Humanities and Social Sciences Building, HZAU

ZOOM Meeting ID: 972 699 2369; Passcode: 202212

Time	Content
	Chair: Prof. Tingwu Yan, Huazhong Agricultural University Secretary: Dr. Wenjing Li, Huazhong Agricultural University
17:30-18:00	Summary of the Forum Prof. Hang Xiong, Huazhong Agricultural University

Keynote Speakers



Qifa Zhang

Qifa Zhang is a Professor in the College of Life Science and Technology at Huazhong Agricultural University, Wuhan, China. He is an academician of the Chinese Academy of Sciences and a foreign associate of the National Academy of Sciences, USA. Dr. Zhang is a plant geneticist recognized for his work on rice functional genomics, the biological basis for the utilization of heterosis in rice including the genes and regulation of photoperiod sensitive male sterility and intersubspecific hybrid sterility, and the genetic basis of heterosis of hybrid rice. He also proposed the notion of Green Super Rice and led the team in developing rice varieties requiring less fertilizers, pesticides and water with high yield and quality by using genomic technologies.



Bram Govaerts

Bram Govaerts is Director General a.i. (Secretary General and CEO) of CIMMYT. Renowned for pioneering, implementing, and inspiring transformational changes for farmers and consumers in meeting the sustainable development challenges. His initiatives, excellence in science for impact and the partnerships he inspired have resulted in improved nutrition, nature conservation, and national and international resilience and food security. A.D. White Professor-at-Large at Cornell University, Norman Borlaug Field Award from World Food Prize Foundation and Fellow by The American Society of Agronomy (ASA).



Jean-Paul Chavas

Prof. Jean-Paul Chavas is from Department of Agricultural and Applied Economics, University of Wisconsin-Madison, his research and teaching are centered in the economics of agriculture, notably commodity markets and the economic valuation of food. In addition, he works on risk management and its role in agricultural and food markets. He also looks at the role of environmental policy on commodity production and markets, including risk mitigation and the role of climate change. His research interests include economics of agriculture, price dynamics, technological change, applied econometrics, economics of trade, welfare and policy analysis.

Keynote Speakers



Thomas Herzfeld

Prof. Thomas Herzfeld joined IAMO in October 2011 as Head of the Department Agricultural Policy. He studied agricultural economics at the universities Halle and Kiel, Germany, and Rennes, France. Prof. Dr. Herzfeld obtained his PhD degree in 2004 from the Christian-Albrechts-Universität zu Kiel and finalized his Habilitation (venia legend) in 2008 at the same university. From 2007 to 2011, he was employed as an assistant professor at the Wageningen University, The Netherlands. Based on a joint appointment, he teaches at the Martin Luther University Halle-Wittenberg, Germany. His main research interest centers around applied analysis of rural household behaviour, agricultural policy analysis and institutional change in agriculture.



Derek Headey

Derek Headey is a member of the pesidum of Global Food Security Association for Young Scientists. Headey is a Senior Research Fellow in the Development Strategy and Governance at the International Food Policy Research Institute (IFPRI), where he has worked since 2008. A development economist, his research chiefly focuses on agricultural development and nutrition, though he has also worked on economic growth, food security and poverty reduction issues. He is the principal investigator for the Advancing Research on Nutrition and Agriculture (ARENA, 2013-2021), funded by the Bill and Melinda Gates Foundation. He has published in a variety of journals in economics, agriculture and public health.



Jingyuan Xia

Dr. Jingyuan Xia is the Director of Plant Production and Protection Division (NSP) of the FAO. Prior to his present position, from 2015-2019, he was the Secretary to the International Plant Protection Convention (IPPC) at FAO Headquarters in Rome. Before joining the FAO, from 2012 to 2014, Mr. Xia was serving as Permanent Representative and Minister Plenipotentiary at the China Mission to the United Nations Agencies for Food and Agriculture in Rome. Between 2001 and 2011, he served as Director General and Extension Professor at the National Agro-Tech Extension and Service Center (NATESC) of the Ministry of Agriculture in Beijing.



Xiaoyun Li

Xiaoyun Li is the executive president of Global Food Security Association for Young Scientists, and a professor in the Agricultural Economics at HZAU. She worked in assessment and evaluation department of CIMMYT during 2017-2010. Her research focuses on food security, resource economics, farming system intensification, policy impacts and sustainable agriculture. She has led more than 10 projects such as the Key Project of Philosophy and Social Sciences Research from Ministry of Education and National Natural Science Foundation of China. She has published more than 60 research papers at academic journals like Food Security, China Agricultural Economics Review, CABI Reviews.



Gucheng Li

Gucheng Li, the Dean of the College of Economics and Management of HZAU and a professor at the department of agricultural economics, is a member of the Presidium of Global Food Security Association for Young Scientists. Li's research focuses on agricultural production/technology economics, oilseed rape industry economy and international trade of agricultural products. He was selected as one of the leading talents and young talents in philosophy and social sciences at the national level, one of the "Four Batch" talents, and one of the "New Century Outstanding Talents" of the Ministry of Education. He has published more than 40 papers in Economics Quarterly, Management World, Food Policy, Australian Journal of Agricultural and Resource Economics, Applied Economics, China Agricultural Economic Review and so forth.



Zhanli Sun

Dr. Zhanli Sun is a member of the Presidium of Global Food Security Association for Young Scientists and a senior researcher and a coordinator of China Research Group at Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany. He received a PhD degree in Geography from the Chinese Academy of Sciences in 1999. He has broad research interests in agricultural and rural development, climate change, ecosystem services, and land system changes. He has published over 70 journal articles in renowned journals such as Nature, Land Use Policy, Environmental Modelling & Software etc. He also served as guest editor in China Economic Review, Journal of Land Use Science and Conservation and Recycling. He is also an editor and editorial member of Environmental Modelling & Software.



Hang Xiong

Hang Xiong is the Secretary-general of Global Food Security Association for Young Scientists. Xiong is a professor of Economics at College of Economics and Management of HZAU and the Deputy Dean of Macro Agriculture Research Institute. Prior to joining HZAU, Xiong was a research fellow at Agricultural Economics and Policy Group in ETH Zurich and Department of Geography in King's College London. His research interest focuses on the use of agricultural technologies, particularly farmers' decision-making and behavior of adopting technologies, economic and environmental impacts of using digital technologies in farming, and effectiveness of digital agricultural extension.



Sharon Lucock

Sharon Lucock is a Senior Lecturer in Agribusiness Management, Lincoln University, representing the Lincoln University to the China Centre. She has completed master's and PhD degrees at Lincoln University. Since 2011 she has been lecturing in agricultural management and global food systems at Lincoln University. This work ranges across animal and crop-based industries, and from livelihoods on the Qinghai-Tibet Plateau through to consumer choices in the big cities. Sharon represents Lincoln University on the Advisory Board of the New Zealand Contemporary China Research Centre, and is a member of New Zealand Asian Leaders. Lucock's research interests include agribusiness, cross-cultural relationships, and investment analysis.



Lawson Connor

Lawson Connor is currently an assistant professor in the Department of Agricultural Economics and Agribusiness at the University of Arkansas with research and extension appointments in crop production economics. Lawson received his bachelor's degree from Macalester College in St. Paul, Minnesota and his Master's and Ph.D. degrees from North Carolina State University. He also did post-doctoral work at the Ohio State University. His research focuses on the intersection of farm risk management and farm finance, including biotechnology, crop insurance, farm financial resilience and conservation practices in agriculture.



Bangbang Zhang

Bangbang Zhang is an associate Professor of Northwest A&F University, Member of Soil Society of America, Member of China Land Society, Member of Land Economics Branch, Member of Youth Working Committee of China Land Economics Society, member of Shaanxi Land Society, Council member of Shaanxi Agricultural Economics Society. His research fields include cultivated land protection and food security, cultivated land quality and land evaluation, cultivated land fragmentation management and farmland construction projects, territorial space planning and ecological restoration, rural land reform and rural revitalization.



Xuecai Zhang

Dr. Xuecai Zhang is a member of the Secretariat of Global Food Security Association for Young Scientists. Zhang is a senior scientist at the International Maize and Wheat Improvement Center (CIMMYT), director of the Latin American Maize Molecular Breeding Laboratory of the Global Maize Project Group, and a visiting researcher at the CIMMYT-China Specialty Maize Research Center (CCSMRC). He has led more than 10 projects such as Bill Gates Foundation Project and CIMMYT Maize Molecular Breeding Special Project. He has published more than 50 research papers in international academic journals such as Nature Communication, and Applied Genetics, among which 19 are first or corresponding authors. He has co-selected and validated 13 maize self-incompatible lines, CML573-577 and CML596-603, for global dissemination.



Zhuo Chen

Dr. Zhuo Chen is an associate Professor at College of Public Health of University of Georgia. Dr. Chen has published more than 40 manuscripts in peer-reviewed journals on topics including behavioral and social science research, economic of obesity, health economics, health disparity, social epidemiology, and small area analysis, in leading field journals including Social Science & Medicine, American Journal of Public Health, Health Services Research, and many others. Dr. Chen received the 2013 CDC Excellence in Behavioral and Social Science Research Award. His research areas include economics of obesity, health disparities, economics of genomics, social determinants of health, evaluation of food and nutrition programs, health econometrics, and economic evaluation.



Yawotse Dzidula-Enyo Nouve

Yawotse Nouve is a Ph.D. Candidate in Agricultural and Applied Economics at the University of Georgia and holds a Master of Science in Agricultural Economics from New Mexico State University and an Engineering degree in Agronomy from the University of Lomé in Togo. Yawotse Nouve had a significant fieldwork experience with farmers and small-scale agro-processors in Togo, in agricultural value chains, agribusiness, and in impact evaluation of government and non-governmental organizations projects. His research interests include development economics, food policy and nutrition, demand analysis, impact evaluation, agricultural economics, and labor economics. And especially interested in using economic theory, structural modeling, and causal inference methods to explain how environment, policies and households' choices affect households' economic and nutritional well-being.



Li Xue

Dr. Xue Li is an Associate Professor at the College of Economics and Management, China Agricultural University. She obtained her Ph.D. degree from Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences in 2019, and then she worked as a postdoctoral researcher from 2019 to 2022. Her research interests focus on the sustainable food system, food loss and food waste, and resource and environmental management. Her research works have been published in Nature Food, Environmental Science & Technology, Resource, Conservation and Recycling, and Journal of Industrial Ecology. She is the principal investigator of several projects granted by National Natural Science Foundation of China and China Postdoctoral Science Foundation.



Youhua Chen

Youhua Chen is “Top 100 scholar” in the field of global agricultural economic policy with high paper productivity in 2020, a young Pearl River Scholar of Guangdong Province, a recipient of excellent doctoral thesis of Guangdong Province, a young professor in the School of Economics and Management of South China Agricultural University, and a high-level key talent cultivator of Ding Ying of South China Agricultural University. He has published more than 50 papers in Journal of Cleaner Production, Applied Energy, Chinese Management Science and other important academic journals at home and abroad, including more than 40 papers in SSCI/SCI journals. He has presided over nearly 10 national and provincial projects.



Alex Barimah Owusu

Dr. Alex Barimah Owusu, Associate Professor, a lecturer in Geographic Information Systems, Remote Sensing and Physical Geography at the department of Geography and Resource Development, University of Ghana. Dr. Owusu holds a PhD in Earth Systems and Geoinformation Science from the George Mason University, Fairfax Virginia. He has held several positions including Geographic Information systems' Specialist at Boulder County, Colorado and a Market Research and Product Development Specialist at the Affinion Group of Companies in Westerville Ohio. His special interests are spatial planning, geospatial data infrastructure and land use planning, Geographic Information Systems, remote sensing.



Tao Lin

Dr. Tao Lin has been ZJU-100 Professor in the College of Biosystems Engineering and Food Science, Zhejiang University since 2016. He obtained his PhD degree in Agricultural and Biological Engineering from University of Illinois at Urbana-Champaign in 2013 and worked as Postdoc Research Fellow at the National Center for Supercomputing Applications and University of Illinois at Urbana-Champaign from 2013-2016. His research interests include agricultural systems analysis, big data analytics, deep learning, and decision support for multi-scale food production systems. He has published over 40 papers in journals including Nature Food and Global Change Biology, Remote Sensing of Environment. He coedited the book entitled "Sensing, Data Managing, and Control Technologies for Agricultural Systems".



Bing Liu

Dr. Bing Liu is a professor from Department of Smart Agriculture at Nanjing Agricultural University. His research focused on agricultural system modeling. During last few years, his research focuses on developing systematic algorithms to improve the performance of wheat crop models under heat stress. Using the multi-model ensemble approach, he compared temperature impacts on yields of major crops estimated by different models and approaches at local, country and global scales. These results have significantly reduced the uncertainties in model-based impact assessment of climate change. He has published more than 30 peer-reviewed papers in scientific journals, including Nature Climate Change (2016), PNAS (2017), Global Change Biology (2014, 2016, 2019), Agricultural & Forest Meteorology (2016, 2017, 2020).



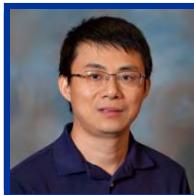
Awais Rasheed

Awais Rasheed is a member of the pesidum of Global Food Security Association for Young Scientists and an adjunct Scientist at CIMMYT-China and have expertise on wheat molecular breeding. He is also affiliated with Quaid-i-Azam University (Pakistan). He is "Vavilov-Frankel Fellow" (2013) in crop genetic resources and recipient of "Excellent Young Scientist" award by CAAS in 2016. His work mainly involves novel genotyping tools for use in wheat breeding. New genotyping platforms and markers developed by him are largely used by wheat breeders in China and globally.



Pengfei Liu

Dr. Pengfei Liu is an assistant professor at the Department of Environmental and Natural Resource Economics of University of Rhode Island. He obtained a Ph.D. degree in agricultural and resource economics from the University of Connecticut in 2016. His main interests include environmental and resource economics, energy economics, agriculture economics, and experimental economics. He has published in leading environmental and resource economics journals and received research funding from government agencies including USDA, EPA, and NOAA as well as private organizations such as the Sloan Foundation. Before joining URI, he has worked at the University of Connecticut and the University of Arkansas at Pine Bluff.



Zhifeng Gao

Dr. Zhifeng Gao is a professor at University of Florida and the director of Florida Agricultural Market Research Center at University of Florida. Dr. Gao's research involves both applied and fundamental studies on the determination and improvement of methods to efficiently elicit consumer preference for food product quality, therefore providing critical market information for the food industry to supply quality food products to consumers. The research focus on the fields of market research, consumer behavior, and applied microeconomics with the goal of improving consumer and producer welfare.



Wander Jager

Wander Jager is a social scientist with a broad interdisciplinary interest in social complex phenomena and transition to a sustainable society. Being inspired by the work of John Holland on chaos and self-organization in the 90's, he has since then been working and teaching on the micro-macro interactions in various social systems. A key theme in his work is studying the dynamics of human behavior in environmental contexts. The insights in building realistically behaving artificial communities are being used in EU funded follow up projects, such as INCITE-DEM and PHOENIX. Other applications address the dynamics of migration and acculturation, opinion dynamics (covid), littering and socio-ecological dynamics. In the EU Erasmus scheme, he worked on ACTISS in developing on-line courses on social computation. He started the Groningen Center for Social Complexity in 2009.



Jinghui Hao

Jinghui Hao is an associate professor in the Department of Agricultural Economics of Huazhong Agricultural University. Hao obtained her doctorate degree in agricultural economics from Wageningen University & Research. Her research interests include agricultural economic policy and evaluation, agricultural economic organization, rural human capital and rural development.



Zhengcong Wang

Zhengcong Wang is an associate professor in the College of Economics and Management in Huazhong Agricultural University. Wang obtained his doctorate degree in Business economics from Wageningen University and worked as external researcher in Wageningen Food Safety Research. His research interests include food safety economics, food safety risk management, human health and machine learning. He has published in leading safety and risk management journals such as Risk Analysis and Food Research International.



Alirah Emmanuel Weyori

Dr. Alirah Emmanuel Weyori is from Leibniz University Hannover. He is now working at UN-WFP and he used to work at the Institute of Agricultural and Development Economics at Leibniz University Hannover as a research associate. He is currently doing research related to impact assessment of livestock research, and his research results also include: the impact of integrated livestock disease management for food security in Togo; agricultural innovation systems and farm technology adoption: findings from a study of the Ghanaian plantain sector, and returns to Livestock Disease Control – A Panel Data Analysis in Togo.



Pedro naso

Pedro naso is a postdoctoral researcher at the Department of Economics at the Swedish University of Agricultural Sciences (SLU). His research focuses on the intersection between Environmental Economics and Development Economics. He has two main research interests. To understand how societies should use and regulate natural resources. This includes both understanding the relationship between economic development and environmental quality; and investigating ways in which environmental externalities can be corrected. In addition, to study the dynamics of agricultural economies in Sub-Saharan Africa.



Xiaohui Tian

Dr. Tian in Agricultural Economics from The Ohio State University, Associate Professor at the School of Agriculture and Rural Development, Renmin University of China, and a young scholar of the National Talent Program. She has published articles in China Rural Economy, China Industrial Economy, American Journal of Agricultural Economics, Land Economics, Journal of Money, Credit and other famous journals at home and abroad. She is a member of the Board of Directors of the Chinese Society of Agricultural Economics, a member of the Standing Committee and Secretary General of the Youth (Working) Committee of the Chinese Society of Agricultural Economics, and Deputy Secretary General of the Beijing Agricultural Economics Society. Her research interests include agricultural resources and environment, forestry economics, climate change.



Sylvie Wabbes Cantotti

Sylvie Wabbes Cantotti is an agronomist from University of Louvain-La-Neuve in Belgium, with more than 30 years of professional experience in development, humanitarian, climate and environmental management. She has been working in FAO since more than 15 years on emergency and resilience for agriculture and food-based livelihoods systems with most vulnerable and fragile countries. Together with public-private and community partners, supports FAO strategic program and positioning on multiple and colliding risks, impacts and emergencies from disaster, climate change, food chain threats and epidemics and conflicts, with a particular focus on building climate resilient agri-food systems. Cantotti is the co-leader of the UNFCCC Marrakesh Partnership for Global Climate Action-MPGCA and its Climate Resilience Pathways and is engaged in the UN Food System Summit and its Resilience Alliances.



Rahut Dil

Dil Bahadur Rahut is the senior agricultural economist at Asian Development Bank Institute (ADBI) and the International Maize and Wheat Improvement Center (CIMMYT). He is mainly engaged in agricultural applied economics, rural household livelihood strategies and sustainable development. He has published more than 100 papers and articles in American Journal of Agricultural Economics, Food Policy, and Australian Journal of Agricultural and Resource Economics, and he has 20 years of experience in agricultural development research and macroeconomic policy evaluation. Prior to joining ADBI and CIMMYT, he worked for Royal Monetary Authority of Bhutan, World Fish Centre, Bank of Bhutan, Centre for Development Research of Germany, and South Asian University.



Enoch Owusu Sekyere

Enoch is a member of the Agricultural and Food Economics group at the Department of Economics, SLU. Previously, he worked as a postdoctoral fellow at the Department of Economics, SLU and University of the Free State, South Africa. Enoch is a research fellow at the University of the Free State, South Africa. Enoch's research focuses on impact assessment of private and government sectors investment, climate change, animal welfare, African economies, food security, food and agricultural policy, consumer behaviour, choice experimental designs, farm management, econometric modelling, water and carbon footprint assessment, technology adoption, etc.



Trung Thanh Nguyen

Dr. Trung Thanh Nguyen is from Leibniz University Hannover. He is now working at the Institute for Environmental Economics & World Trade at Leibniz University Hannover as a member of the Academic Council for Economics (equivalent to an associate professor). Dr. Trung Thanh Nguyen has interest in all aspects of the rural economy, in particular the interaction between environment and development.



Lena Kuhn

Dr. Lena Kuhn is a member of the Secretariat of Global Food Security Association for Young Scientists and a senior researcher at the Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Halle, Germany. Her research focus is on sustainable rural development and agricultural transformation, with a special attention to risk management, innovation adoption and poverty alleviation. The regional focus is on China and Central Asia. Since 2016, Dr. Kuhn is coordinating the China International Research Group of IAMO and the coordinator of IAMO's research focus Livelihoods in rural areas.



Hui Tao

Hui Tao is a Ph.D. student of agricultural economics and management at the School of Economics and Management, Huazhong Agricultural University. She joined the Department of Structural Change, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany, as a visiting student in February 2022. Her main research interests are agricultural technology adoption and experimental economics, including the use of experimental methods to study the impact of agricultural extension services and farmers' adoption behavior of smart agricultural technologies.



Jing Zeng

Dr. Zeng Jing, graduated from Huazhong Agricultural University, majoring in agricultural economic management, is now a lecturer in the Department of Business Administration, Business School. She has presided over one excellent youth project of Hunan Provincial Education Department, participated in three national projects, and published several academic papers as the first author or corresponding author in leading journals such as "China Rural Observation", "Agricultural Technology and Economy" and "Agricultural Economic Issues".



Michel Kabirigi

Michel Kabirigi joined IAMO in May 2018 as PhD student in the framework of the project Citizen Science and ICT for advancing the prevention and control of Banana Xanthomonas Wilt in East and Central Africa (ICT4BXW). His PhD research will combine GIS and SNA methods for an effective BXW prevention in Rwanda. Before joining IAMO Michel Kabirigi was a research technician at Rwanda Agricultural and animal resources development Board (RAB), where he oversaw research activities in the soil and water conservation program. He previously completed his degree in Agricultural Engineering at the Higher Institute of Agriculture and Livestock (ISAE) in Busogo/Rwanda, his BSc in agriculture (Hons) at Umutara Polytechnic and his MSc in Integrated Soil Fertility Management at Kenyatta University, Nairobi, Kenya.



Wei Huang

Dr. Huang's research interests include measurement of productivity growth and efficiency, eco-efficiency analysis of non-market goods, demand system analysis of consumption, and spatial econometric analysis on natural resource. Huang is co-applicant for Formas funded projects "Economic policy instruments to reduce greenhouse gas emissions from the Swedish food sector (EPIC)" (led by Dr. Sarah Säll), "How do we achieve fossil-free agriculture in Sweden" (led by Dr. Per-Anders Hansson) and "Stop the spread of Mycoplasma bovis and protect free herds" (led by Dr. Stefan Widgren). Huang is PI for projects of "Converting consumption to land: How much agricultural land is required during urbanization" and "Developing a SLU-SCU research and education network for future cooperation", funded by STINT.



Sarah Säll

Dr. Sarah Säll researches sustainable food consumption and how economic policy can help consumers make sustainable choices in the food store. Säll's current research focuses on exploring the effects of a climate tax on food and ways to re-cycle incomes: A project financed by the Swedish Environmental Protection Agency. Säll's other work involves estimating potential reductions of GHG emissions from food consumption, and the distributional effects of climate taxes on food.



Tianxiang Li

Dr. Li has a doctorate degree in management and was a joint doctoral student at the University of Copenhagen, Denmark, on a national assignment in 2014-2015, and graduated with a PhD in agricultural economic management from Nanjing Agricultural University in 2017. He joined the School of Economics and Management of Nanjing Agricultural University for postdoctoral research in the same year, and stayed in the university as a full-time faculty member after his postdoctoral release. His research interests include food security, agricultural trade, agricultural policy analysis and evaluation.



Haotian Qi

Dr. Qi has a doctorate degree in management and is currently an associate professor at the School of Economics and Management, Southwest University. His main research areas are: firstly, focusing on agricultural domestic support policies and international trade of agricultural products under the framework of WTO agricultural rules, and serving national macro agricultural policies; secondly, focusing on rural revitalization and rural reform issues, and serving Chongqing regional rural development. Specifically, it includes agricultural subsidy and price policy, agricultural finance and insurance policy, agricultural market and trade policy, rural land policy, etc.

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