

Virtual Conference on Water Resource Management in Agriculture for Achieving Food and Water Security Under Climate Change in Asia

26-27 October 2022 (Tokyo Time)

Day One: 26 October 2022	
8:30-8:40	Introduction/Housekeeping Announcements/Photo Session Dil Rahut , Vice-Chair of Research and Senior Research Fellow, Asian Development Bank Institute (ADBI)
8:40-8:50	Opening Remarks Tetsushi Sonobe , Dean, Asian Development Bank Institute (ADBI)
8:50-8:55	Session Chair: Thomas Panella , Director, Environment, Natural Resources & Agriculture Division, East Asia Department, Asian Development Bank (ADB)
8:55-9:25	Keynote Speech: Economics of Water Governance in the Face of Climate Change Presenter: Tiho Ancev , Associate Professor, School of Economics, University of Sydney, Australia
9:25-9:40	Questions and Answer (Q&A) Session
9:40-10:10	Paper 1: Groundwater Governance Under Climate Change in India: Lessons from World Bank Interventions in Reversing Depletion
9:40-9:55	Presenter: Bekele Ambaye Shiferaw , Thematic Lead Specialist (Climate, Food Systems, Environment), IEG and ENB, World Bank, United States
9:55-10:05	Discussant: Thilak Mallawaarachchi , Honorary Associate Professor, University of Queensland, Australia
10:05-10:10	Q&A Session
10:10-10:40	Paper 2: Farm Performance and Economic Value of Irrigation Water in India: A Directional Distance Function Analysis
10:10-10:25	Presenter: Sofina Maharjan , PhD Candidate, School of Agriculture and Environment, University of Western Australia, Australia
10:25-10:35	Discussant: Hongyun Zheng , Associate Professor, College of Economics and Management, Huazhong Agricultural University, People's Republic of China
10:35-10:40	Q&A Session
10:40-11:00	Break (20 min)
11:00-11:30	Paper 3: Farmers' Perceptions, Adoption and Impacts of Integrated Water Management Technology Under Changing Climate: Findings and Implications

11:00-11:15	Presenter: Hongyun Zheng , Associate Professor, College of Economics and Management, Huazhong Agricultural University, People's Republic of China
11:15-11:25	Discussant: Bidur Paria , Doctoral Research Scholar, Humanities and Social Sciences, Indian Institute of Technology Kharagpur, India
11:25-11:30	Q&A Session
11:30-12:00	Paper 4: Climate Change and Water-Related Threats in the Indian Sundarbans: Food Security and Management Implications
11:30-11:45	Presenter: Pritha Datta , Research scholar, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, India
11:45-11:55	Discussant: Thong Anh Tran , Research Fellow, School of Geography, Earth and Atmospheric Sciences, Faculty of Science, University of Melbourne, Australia
11:55-12:00	Q&A Session
12:00-12:05	Ending Session: Thomas Panella , Director, Environment, Natural Resources & Agriculture Division, East Asia Department, ADB
12:05-14:00	Long Break (115 min)
14:00-14:05	Session Chair: Netra Eng , Executive Director, Cambodia Development Resource Institute, Cambodia
14:05-14:35	Paper 5: Water Retention for Agricultural Resilience in the Vietnamese Mekong Delta: Towards Integrated 'Grey-Green' Solutions
14:05-14:20	Presenter: Thong Anh Tran , Research Fellow, School of Geography, Earth and Atmospheric Sciences, Faculty of Science, University of Melbourne, Australia
14:20-14:30	Discussant: Ratna Reddy Vippala , Director, Economics, Livelihoods and Natural Resources Management Institute, India
14:30-14:35	Q&A Session
14:35-15:05	Paper 6: Mechanization in Land Preparation and Irrigation Water Productivity in the Context of Climate Change: Implications for Sustainable Rice Production and Food Security
14:35-14:50	Presenter: Wanglin Ma , Associate Professor, Department of Global Value Chains and Trade, Lincoln University, New Zealand
14:50-15:00	Discussant: Manh Hung Do , PhD candidate, Institute for Environmental Economics and World Trade, Leibniz University Hannover, Germany
15:00-15:05	Q&A Session
15:05-15:35	Paper 7: Evaluating Solar-Based Irrigation's Potential for Climate Change Adaptation of Smallholder Farming in Nepal
15:05-15:20	Presenter: Aastha Bhusal , Sr. Programme Officer, Climate Change, LI-BIRD, Nepal
15:20-15:30	Discussant: Presenter: Roshan Adhikari , Research Fellow, Nottingham Business School, Nottingham Trent University, United Kingdom

15:30-15:35	Q&A Session
15:35-16:05	Paper 8: Irrigation Cost Heterogeneity and Impacts on Farm Productivity: Empirical Evidence from Rice-Wheat Cropping Systems in Nepal
15:35-15:50	Presenter: Roshan Adhikari , Research Fellow, Nottingham Business School, Nottingham Trent University, United Kingdom
15:50-16:00	Discussant: Junpeng Li , Lecturer, School of Economics and Management, Huaiyin Normal University, People's Republic of China
16:00-16:05	Q&A Session
16:05-16:10	Day 1 Closing Remarks: Netra Eng , Executive Director, Cambodia Development Resource Institute, Cambodia
Day Two: 27 October 2022	
12:45-12:55	Introduction/Housekeeping Announcements/Photo Session Dil Rahut , Vice-Chair of Research and Senior Research Fellow, Asian Development Bank Institute (ADBI)
12:55-13:00	Session Chair: Chengfang Liu , Associate Dean, School of Advanced Agricultural Sciences (SAAS), Peking University, People's Republic of China
13:00-13:30	Paper 9: The Contribution of Agricultural Development Interventions to the Climate Resilience of Semiarid Farming Systems in India
13:00-13:15	Presenter: Arjuna Srinidhi , PhD Research Scholar, Water Systems and Global Change Group, Wageningen University & Research, India
13:15-13:25	Discussant: Subhasis Bera , Associate Professor, International School of Business and Media, India
13:25-13:30	Q&A Session
13:30-14:00	Paper 10: Heterogeneous Effect of Climate Change on Crop Yield and Associated Risks Augmenting Water Security in India
13:30-13:45	Presenter: Souryabrata Mohapatra , PhD candidate, Economics, The University of Auckland, New Zealand
13:45-13:55	Discussant: Wanglin Ma , Associate Professor, Department of Global Value Chains and Trade, Lincoln University, New Zealand
13:55-14:00	Q&A Session
14:00-14:30	Break (30min)
14:30-15:00	Paper 11: Climate Variability, Rainwater-Harvesting Structures and Groundwater Level in Odisha, India: An Empirical Analysis
14:30-14:45	Presenter: Tiyasa Mishra , Research Scholar, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, India
14:45-14:55	Discussant: Souryabrata Mohapatra , PhD candidate, Economics, The University of Auckland, New Zealand
14:55-15:00	Q&A Session

15:00-15:30	Paper 12: The Impact of Climate Change on Wheat Productivity and the Role of Irrigation in Saline Soil Environments in Uzbekistan
15:00-15:15	Presenter: Ihtiyor Bobojonov , Senior Researcher, Department of Agricultural Markets, Marketing and World Agricultural Trade, Leibniz Institute of Agricultural Development in Transition Economies, Germany
15:15-15:25	Discussant: Xiaomeng Cui , Associate Professor, Institute for Economic and Social Research, Jinan University, People's Republic of China
15:25-15:30	Q&A Session
15:30-16:00	Paper 13: Weather Shocks, Irrigation Development and Multi-Dimensional Poverty: Evidence from Panel Data in Emerging Economies of Thailand and Vietnam
15:30-15:45	Presenter: Trung Thanh Nguyen , Associate Professor, Environmental Economics and World Trade, Leibniz University Hannover, Germany
15:45-15:55	Discussant: Chen Ji , Associate Professor, Department of Agricultural Economics and Management, Zhejiang University, People's Republic of China
15:55-16:00	Q&A Session
16:00-16:05	Closing Session: Chengfang Liu , Associate Dean, School of Advanced Agricultural Sciences (SAAS), Peking University, People's Republic of China
16:05-16:20	Journal Overview for Special Issue and Closing Remarks Presenter: Cecilia Tortajada , Professor, School of Interdisciplinary Studies, University of Glasgow, Scotland