



 **AARES 2023**
AUSTRALASIAN AGRICULTURAL &
RESOURCE ECONOMICS SOCIETY
THE 67th ANNUAL CONFERENCE

7-10 February 2023

Christchurch, New Zealand
& Virtual Livestream

CONTRIBUTED PAPERS AND MINI-SYMPOSIA PROGRAMME

UPDATED 1st February 2023

Contributed Paper Session A 08/02/2023 10:30-12:00

time	CP A1: Natural Resource Management 1 Chair: Megan Star Room: UCSA Ngaio Marsh Theatre	CP A2: Technology adoption Chair: John Gibson Room: UCSA Ti Kōuka (Function Space)	CP A3: Farm management and farmer behaviour 1 Chair: Jorie Knook Room: UCSA Bentleys	CP A4: Fisheries and Aquaculture 1 Chair: Peggy Schrobback Room: Staff Club Upstairs	CP A5: Food, Health and Nutrition 1 Chair: Harold Mayaba Room: UCSA Room of Requirement (Movie Room)	CP A6: Gender 1 Chair: Risti Permani Room: Staff Club Downstairs	CP A7: Climate change 1 Chair: Bernardo Cantone Room: UCSA Green Room	
10:30-10:46	Carla Muller Informing fresh water management in the Auckland Region. {23}	Madhu Khanna Bioeconomic and Behavioral Incentives for Robotic Weed Control in Row Crop Agriculture {255}	Rachel Durie The whole system impact of composting shelters: Findings from a Waikato case study {132}	Satoshi Yamazaki Co-management of large-scale and medium-scale fisheries: An assessment of the fishery tax system in Indonesia {138}	Don Gunasekera An economy wide analysis of effects of food traceability {242} (online)	Sara Ratna Qanti Unfolding the spousal differences in response to intrahousehold decision-making participation questions: Evidence from West Java, Indonesia {52}	Shyama Ratnasiri Transition to cleaner technologies and income inequality {14} (online)	
10:48-11:04	David Pannell Additionality in agri-environmental programs {24}	Shyamal Chowdhury Unbundling the Process of Agricultural Technology Adoption: Experimental Evidence from Kenya {39}	Jaba Rani Sarker Risk Attitudes and Farming Choices of Coastal Rice Farmers in Bangladesh: A Binary Logistic Regression {120} (online)	Jeremy De Valck Developing an ecosystem accounting database to assess the competing uses, benefits and values of different stakeholders in the Great Barrier Reef {151} (online)	Olesya M. Savchenko Fish without the Sea: Consumer Preferences for Cell-Based Salmon and Policy Implications {244} (online)	Daniel Hill Disagreements over norms: An analysis of the drivers of income hiding amongst rural Ugandan households using the Theory of Planned Behavior {69}	Thomas Nordblom Bush fires, floods, droughts, hurricanes and rising sea levels {218} (online)	
11:06-11:22	Yuelu Xu The impact of water quality policies on the allocation of water quantity {34}	Christian Creed Present bias predicts low adoption of profitable technologies: The case of livestock vaccination in northern Laos {109}	Braydon Schroder Farm system influence on dairy workforce retention. {118} (online)	Benjamin Chipperfield Natural resource management and nutrition outcomes: a quasi-experimental evaluation of fisheries decentralisation in Laos {102}	Nam Hoang Food motives and preferences: A study of non-traditional meat demand in Vietnam {219} (online)	Disha Bose Women in Non-Farm Work and Diet Quality: Evidence from rural Indian households {99}	Zunian Luo Powering Up a Slow Charging Market: How do Government Subsidies Affect Charging Station Supply? {155} (online)	
11:24-11:40	Morgan Inness Modelling horticulture in the Auckland Council's Fresh Water Management Tool {140} (online)	Asad Islam The Value of Information in Technology Adoption {502}	Zack Dorner Does wellbeing influence adoption of pro-environmental behaviours or the other way around? {145} (online)	Peggy Schrobback Spatial and temporal fishery management assessment using DEA: Case study of spanner crabs in Australia {117}	Tian Jihadhan Wankar Selling differentiated Nusa Tenggara Barat (NTB) beef in urban markets in Indonesia {194} (online)	Risti Permani Gender differences in agri-food e-commerce selling: Insights from Indonesia {187}	Leopold Temoana Biardeau Estimating the relationship between inter-climate migration and residential air conditioning adoption {280}	
11:42-11:58	Megan Star Assessing the Impacts of the Red Imported Fire Ant: A case study of Qld {171}	John Gibson Measuring rural economic activity remotely: Do we just need better sensors? {91}	Jorie Knook Taking the rural pulse: Developing farmer wellbeing metrics that work at a farm-scale {181}		Harold Mayaba The effect of unmixed information on consumers' preference and willingness to pay for animal welfare enhanced eggs in New Zealand. {105}	Sujana Adapa Invisible farmer widows 'doing' farming in India {149} (online)	Bernardo Cantone Does Carbon Price Stimulate Green Innovation? {78}	

Mini-Symposia/Contributed Paper Session B 08/02/2023 16:30-18:00

time	MS B1: Pricing Agricultural Emissions in NZ Chair: Carla Muller Room: UCSA Ngaio Marsh Theatre	MS B2: Export market access and trust in Australian agri-food products Chair: Peggy Schrobback Room: UCSA Ti Kōuka (Function Space)	MS B3: The future of Australian coal and gas industries with decarbonisation in As Chair: Jorrit Gosens Room: UCSA Bentleys	MS B4: Rural Transformation in Asian Developing countries I Chair: Dong Wang Room: UCSA Room of Requirement (Movie Room)	MS B5: Landholders' preferences for planting and protecting trees on farms Chair: Maksym Polyakov Room: UCSA Green Room	MS B6: Does Research on Women's Empowerment Indices (WEIs) Strengthen Agricultural Policies in the Global South? Chair: Nazmun Ratna Room: UCSA Bentleys' Foyer	CP B7: Development economics 1 Chair: L. Emilio Morales Room: UCSA Board Room
16:30-16:46	1. Barry Anderson, General Manager- Sector Analysis, Climate Change Commission Topic- Update on process for pricing agricultural emissions. This presentation will provide an overview of the Commission's inputs into the government's decision-making process how to price agricultural emissions, expected in December 2022.	Barton Loechel Key factors that build Importing Country regulator trust in agrifood exports {60} (online) Peggy Schrobback Importers' perspective on Australia's agri-food quality: The cases of beef and horticulture exports to China and Vietnam {36}	Jorrit Gosens The cost of China's embargo on Australian coal imports {262} Thomas Longden Negative prices and the increased likelihood of early coal plant exit {275} (online) Xiujian Peng The transition to carbon neutrality in China and its impacts on Australia {263}	Erwidodo Rural transformation and rural income inequality in Indonesia 2000-2020 {604} Tahlim Sudaryanto Regional rural transformation and its impacts on rural household income and poverty rate in Indonesia: 2000-2020 {605} Mohammad Jahangir Alam Rural transformation and its impacts on rural income and poverty incidence in Bangladesh {606}	Md Sayed Iftekhar Heterogeneity in landholders' preferences for conservation covenant programs in Australia {104} Sorada Tapsuwan Australian landholders' willingness to pay for trees on farms {112} Maksym Polyakov Evaluating incentives to encourage native afforestation {30}	Agnes R Quisumbing WEAI assessments and agricultural policy in Bangladesh {265} (online) Muzna Alvi Do we need to focus beyond remittances from female migrants? Development of a Women's Empowerment in Migration Index (WEMI) {273} Immaculate Omondi Leveraging empowerment data to improve livestock development interventions for enhancing nutrition and livelihoods in Sub-Saharan Africa {286} (online)	Chinthani Rathnayake Welfare analysis of agricultural policies on the tea industry in Sri Lanka: The case of banning Glyphosate between 2015 and 2018 {85}
16:48-17:04							Sharar Kader Income and wildlife hunting in the Anthropocene: Evidence from Cambodia {178}
17:06-17:22	2. Kelly Forster, Programme Director, He Waka Eke Noa Topic- The He Waka Eke Noa process and reasons for recommended pricing system. This presentation will provide an overview of the He Waka Eke Noa process and discuss the reasons for their recommendations for pricing agricultural emissions.	Airong Zhang Consumers' trust in food attributes {48}	Yeliz Simsek The future of coal and gas trade in Asia: an analysis of decarbonisation pathways using the Global Change Analysis Model (GCAM) {278} (online)				Bimal Sharma PATTERNS OF RURAL COMMUNITY LIVELIHOOD IN AGRO ECOLOGICAL ZONES OF THE BRAHMAPUTRA VALLEY, INDIA {19} (online)
17:24-17:40							Quan He Impact of mobile payment adoption on household expenditure and subjective well-being {166} (online)
17:42-17:58	3. Lee Matheson, Managing Director and Principal Consultant, Perrin Ag Topic- Implications for farmers and growers of the proposed pricing system. This presentation will highlight the potential economic and farm system implications for a range of farmers and growers of the proposed pricing option.						L. Emilio Morales Mountain Goat Value Chain in Laos and Vietnam: Constraints and Development Opportunities {188}

Contributed Paper Session C 09/02/2023 08:30-10:00

time	CP C1: Climate change 2 Chair: Suzie Greenhalgh Room: UCSA Ngaio Marsh Theatre	CP C2: Environmental Economics and Policy Chair: Sorada Tapsuwan Room: UCSA Ti Kōuka (Function Space)	CP C3: Farm management and farmer behaviour 2 Chair: Mario Fernandez Room: UCSA Bentleys	CP C4: Food, Health and Nutrition 2 Chair: Dietrich Earnhart Room: Staff Club Upstairs	CP C5: Food, Health and Nutrition 5 Chair: Nic Lees Room: UCSA Room of Requirement (Movie Room)	CP C6: Gender 2 Chair: Simeon Kaitiibe Room: Staff Club Downstairs	CP C7: Natural Resource Management 2 Chair: Maksym Polyakov Room: UCSA Green Room	CP C8: Valuation 2 Chair: Richard T Yao Room: UCSA Bentleys Foyer
08:30-08:46	Huanyu Zhu Impact of clean energy use on rural residents' subjective and objective well-being {168} (online)	Lana Friesen A Secret Worth Keeping? Bid Cap Design in Multi-Unit Reverse Auctions {58}	Alexandra Hill Air Pollution, Weather, and Agricultural Worker Productivity {500}	Lintang Wardyani What is the precedence for consumers when purchasing agriculture products via direct marketing channels? A Best-Worst Scaling Method {210}	Robin E Roberts Ethical and social grocery purchase drivers: A case study in understanding mango trade in Europe and the United Kingdom {197}	Jon Marx Sarmiento Female-headed households in South Asia and their intention to adopt Conservation Agriculture-based Sustainable Intensification technologies {147}	Phong Quoc Luu Impact of soil conservation practices on wheat yields and food consumption {148}	John Rolfe Valuing improvements in native fish populations with discrete choice experiments. The Murray-Darling Basin in New South Wales, Australia {137}
08:48-09:04	Stephanie McWhinnie The Effectiveness of Kyoto's Clean Development Mechanism for Emissions Reduction: Evidence from Developing Economies {10}	Steven Schilizzi How do uncertain costs affect participation and bidding behaviour in conservation tenders? {204}	Benjamin Marmont A Farm-Level Evaluation of In-paddock Methane Inhibitor Delivery: Technology Diffusion and Economic Performance {75}	Meike Rombach Incredible Edibles: Investigating drivers of consumer commitment to urban food foraging and their willingness to accept opportunity cost {74} (online)	Manavi Gupta Guilty Pleasures: Income Elasticities of Packaged Foods and Paid Meals in India and their effect on healthy food consumption {245}	Bisakha Dewan Women's empowerment in contract farming in agricultural value chain {212}	Nikki Dumbrell Co-benefits and provenance: Effectiveness and synergies as incentives to drive sustainability shifts in natural resource dependent industries? {169}	Alex Hegarty The value of shark-barriers at popular swimming locations: a travel cost & contingent behaviour study {501}
09:06-09:22	Adam Daigneault A Global Approach to Estimating Regional Forest Carbon Leakage {37}	Robbie Maris Environmental Identity, Experiences in Nature and Pro-Environmental Behaviours: A Field Experiment Design {65}	Lydia Farrell Designing a New Zealand dairy farm system for future international competitiveness {152}	Ying Xu Analysing Adelaide public's preferences for alternative food waste policies {170}	Jack B. Hetherington Most Australian cheese manufacturers do not reuse whey in value-added products, despite the opportunities to utilise it more sustainably and strategically {248}	Maria Cresilda M Caning Do women possess the capability to innovate? A look at the leadership style of the food-based womenpreneurs of the Philippines {224}	Le Wang Drivers and patterns of rural land use change in New Zealand: empirical analysis using neural network method {116}	Rodrigo Zilleruelo Designing choice experiments to value nature based solutions in coastal areas {175}
09:24-09:40	Saeed Solaymani Impacts of forestry sector on CO2 emissions in regional level of New Zealand {129}	Chen Chen Paving the way or crowding out? The impact of individual pro-environmental behavior on public support for bio-diversity con policy {68}	K. Aleks Schaefer Localized Urbanization and Agricultural Industrialization at the Micro-Scale {229}	Dietrich Earnhart Prevention of Post-Consumer Food Waste {241}	Shoichi Kiyama Informal pricing behavior of vendors in formal markets: Evidence from the Honiara Central Market in the Solomon Islands {213}	Maggie Phiri Women Empowerment and Food Security: Empirical Evidence from Malawi {239}	Syezlin Hasan Land transition options for managing dissolved inorganic nitrogen draining from sugarcane cropping in the Dry Tropics catchments, Australia {243}	Curtis Rollins Is impulsiveness a driver of hypothetical bias in stated preference exercises? {40}
09:42-09:58	Suzie Greenhalgh Taking 2 degrees seriously: global leadership in policies to reduce agricultural greenhouse gas emissions {119}	Sorada Tapsuwan Circular economy in India: A Bayesian belief network analysis of household purchasing and disposal behaviour of plastics {110}	Mario Fernandez Pricing methane emissions from dairy: economic implications and adoption of new technologies {6}		Nic Lees Sustainability transitions in agrifood firms and industries: A bibliographic analysis of research themes {276}	Simeon Kaitiibe Can Women's Agency in Livestock Production Improve Household Food and Nutrition Security? Empirical Evidence from Rural Households in Malawi {240}	Maksym Polyakov Cost-effectiveness of erosion mitigation to meet water clarity targets in the Manawatu-Wanganui Region of New Zealand {193}	Richard T Yao A review of non-market environmental values for New Zealand biosecurity risk assessment {156}

Mini-Symposia/Contributed Paper Session D 09/02/2023 13:30-15:00

time	MS D1: Competitiveness of New Zealand dairy: demand analysis of plant-based alternatives and synthetic milk Chair: Mario Fernandez Room: UCSA Ngaio Marsh Theatre	MS D2: Increasing value of agricultural exports based on high social, environmental and cultural values Chair: Caroline Saunders Room: UCSA Ti Kōuka (Function Space)	MS D3: CGE modelling of agricultural and mining issues Chair: Glyn Wittwer Room: UCSA Bentleys	MS D4: Why Food, Energy, Environment and Water Nexus Analyses should Matter for Economists Chair: Claudia Ringler Room: Staff Club Upstairs	MS D5: Linking research for inclusive agricultural and livestock value chains in LICs and LMICs: the emergence and role of systems thinking approaches Chair: Nazmun N. Ratna Room: UCSA Room of Requirement (Movie Room)	CP D6: Agricultural production 1 Chair: Atomu Nitta Room: Staff Club Downstairs	CP D7: Farm management and farmer behaviour 4 Chair: Rick Llewellyn Room: UCSA Green Room	CP D8: Water 1 Chair: James C R Smart Room: UCSA Bentleys Foyer
13:30-13:46	David Silva Villacorta demand analysis of plant-based alternatives - A review {271} (online) Josiah David Cleland Demand Analysis: Effects of Income and Price Dependent Decisions. {269}	Caroline Saunders The science of creating and capturing value for Aotearoa New Zealand's food and fibre exports {600} Meike Guenther Trade impacts from consumer attitudes to food attributes in important export markets to New Zealand {602}	Glyn Wittwer The economic impacts of a hypothetical foot and mouth disease outbreak in Australia {264} Robert Waschik Development of LNG production capacity in PNG {267}	Claudia Ringler Multiobjective optimization of dam operation and irrigation development on the Blue Nile in Sudan {266} John Ulimwengu Measuring food system resilience: A network approach {259} Pamela Katic Reducing disciplinary siloing by mirroring water and food data: pathways from household water insecurity to food insecurity and health in Indigenous communities of the Peruvian Amazon {261} (online)	Samuel Seba Improving the performance of FVCs for economic development and food and nutrition security {29} Karl M. Rich Leverage points for pro-poor poultry value chain development in Ghana {159} Michael Lyne Applying mixed methods to evaluate pro-poor interventions for a pork value chain in southern Myanmar {44}	TING TONG Will the Aging of Agricultural Labor Force Affect Agricultural Productivity? -- A Quantitative Analysis With Panel Data From China {203} (online)	David Worden The Effects of Bundling on Livestock Producers' Valuations of Environmentally Friendly Traits Available Through Genomic Selection {53}	Alemken Jegnie Urban residential water demand and household size: A meta-regression analysis {254} (online)
13:48-14:04	Mario Fernandez Demand analysis of dairy milk and plant-based alternatives with different attributes {270}	Peter Tait Exploring New Zealand export market consumer preferences for emission reductions in agri-food production {601}		Sarah Ann Wheeler Assessing the validity of economic modelling studies of reduced water allocations in the Murray-Darling Basin {274}		Nan Wang PRICES VARIABLES IMPACTS ON THE WHEAT LAND USE IN WHEAT-SHEEP ZONE {3} (online)	Arunava Ghosh Understanding the role of social cognitive traits in farmer adoption decisions of CASI technologies in India {128}	Claire Doll Economic evaluation of alternative urban park designs that conserve irrigation water {25}
14:06-14:22		Tim Driver Using digital media and smart technology to increase value for New Zealand agrifood firms {603}				Junyan Tian Does Agricultural Aid Induce Agricultural Productivity Growth? – Evidence from a Quasi-Experiment {20} (online)	Maria Alexandra Peralta Sanchez Participatory extension interventions promote on-farm practice changes: Evidence from panel data of smallholder dairy farmers in West Java, Indonesia {176}	Amit Batabyal Climate Change and River Water Pollution: An Application to the Ganges in Kanpur {45} (online)
14:24-14:40						Tamsi Jasmin Gervacio An analysis of smallholder's knowledge, attitudes and practices on the control and management of FW in bananas {38} (online)	Paulo Santos Demand led extension: an experimental evaluation {182}	Lusi Xie Buying Back Irrigation Water for Endangered Species Protection: Evidence from a Laboratory Experiment and a High-Stakes Field Experiment with Farmers {90} (online)
14:42-14:58						Atomu Nitta Can community-based payments contribute to an equitable distribution of government payment? {61}	Rick Llewellyn A structured approach to estimating future extent of farm-level adoption when evaluating agri-environmental policy options {189}	James C R Smart Learnings from constructing pilot SEEA Ecosystem Accounts for the Mitchell River catchment {209}

Contributed Paper Session E 09/02/2023 15:30-17:00

time	CP E1: GRDC Grains Session Chair: Ross Kingwell Room: UCSA Ngaio Marsh Theatre	CP E2: Valuation 1 Chair: Pamela Booth Room: UCSA Ti Kōuka (Function Space)	CP E3: Agricultural production 3 Chair: Muhammad Masood Azeem Room: UCSA Room of Requirement (Movie Room)	CP E4: Climate change 3 Chair: Uwe Grewer Room: UCSA Green Room	CP E5: Food, Health and Nutrition 3 Chair: Daniel Scheitrum Room: UCSA Bentleys' Foyer	CP E6: Farm management and farmer behaviour 3 Chair: Stacey Carter Room: UCSA Bentleys	CP E7: Development economics 2 Chair: Femi Olubode Room: Online Only	
15:30-15:46	Sylvia J Soltyk Volatility Transmission Between World Oil Prices and Australian Wheat Prices {179}	Tim Capon Tasmanian households' willingness to pay for trees in urban areas, rural areas, on farms, and in nature conservation areas {200}	Song Li Impacts of Corn Support Policy on Corn Production and Farmers' Income {7} (online)	Constantin Seidl Profitability, business models, and climate change: understanding strategies and opportunities for accounting in agriculture {139}	Prince Baah Annor Impact of GlobalGAP compliance on cost of production in small-scale pineapple farming in Ghana {237}	Geetha Mohan Understanding the potential drivers and farmers' perceptions between zero-budget natural farming (ZBNF) and non-ZBNF towards sustainable agriculture in rainfed regions in India {202}	Qiuchun Niu Off-farm work, agricultural mechanization services use and technical efficiency: Evidence from rural China {231} (online)	
15:48-16:04	Amanda Countryman Potential Economic Implications of CPTPP and RCEP on U.S. and Global Agriculture: A Computable General Equilibrium Analysis {101}	Nicole Hamre Multi-activity Random Utility Modelling of marine recreational activities for Marine Spatial Planning {195} (online)	Hepei Zhang How does environmental regulation affect the green growth of China's citrus industry? The mediating role of technological innovation {16} (online)	Hongyun Zheng Impact of climate change adaptation on returns to agricultural inputs: Insights from rice farmers in China {81} (online)	Lynne Loo Food Waste in Australian Wild-Harvest Abalone Supply Chains: Tourism Potential Insights {97} (online)	S.M. Rahaman Scaling of Conservation Agriculture-Based Sustainable Intensification Technologies in Bihar: Applying Behavioural Economics to get Additional Insights {73} (online)	Shujaat Farooq Rural Transformation, Income Growth and Poverty Reduction in Pakistan: A Panel Analysis {233} (online)	
16:06-16:22	Keisaku Higashida The Impact of the EU-IUU Regulation on Bilateral Trade Flows {106}	Hiroki Kiriyaama Consume preference with pesticide residue on the agricultural products and pesticide use by each growing stage of the crop {186} (online)	CD Lewis Estimating the marginal value of the nutritional components of pasture species {59}	Laurent CISHAHAYO Land fragmentation, adoption intensity of climate-smart agricultural practices, and economic performance of banana farmers in Southern china {121} (online)	Tafesse Estifanos Impact of protected areas on malaria prevalence: Evidence from remote sensing and health surveys data {250} (online)	Hiroataka Matsuda Impact of Nitrogen input and nitrogen stock on agricultural production under the enhancement of market mechanism for Japanese rice production {247} (online)	Farah Naz The Stage, Speed, Outcome of Rural Transformation and Associating IPIS in Pakistan at the National and Regional Levels {235} (online)	
16:24-16:40	Chi Trung Nguyen Effects of variety and global crises on price shock transmission in Asian rice markets {160} (online)	Deepa Basnet Stakeholder preferences for managing water quality in Phewa lake, Nepal {217}	Puneet Vatsa Can combining organic soil amendments with chemical fertilizers improve yield: Evidence from banana farmers {82} (online)	Junpeng Li Climate-smart agricultural practices and food security: Evidence from rice production in China {150} (online)	Yiyuan Miao Research on Urban Residents' Preference for High-Quality Rice and Willingness to Pay a Premium {222} (online)	Pan Wang Why are farmers reluctant to sell: evidence from China {89} (online)	Shahzad Kouser Women's Empowerment: An Obstacle or a Stimulus to Time Poverty in Rural Pakistan {236} (online)	
16:42-16:58	Ross Kingwell The flow of Australian grain; past, present and future {13}	Pamela Booth The 2022 New Zealand Environmental Perception Survey {163}	Muhammad Masood Azeem Factors influencing the current and future adoption of improved legume pastures in Australia {158}	Uwe Grewer The yield performance of early-, medium- and late-maturing maize varieties under early-, mid-, and end-season drought in Malawi {165}	Daniel Scheitrum Multi-Dimensional Aspects of Concentration in the U.S. Meatpacking Industry {27}	Stacey Carter What capabilities does an agri-discipline graduate need to evidence to the workforce, and what role can ePortfolios play? {31}	Mohammad Jahangir Alam Impact of rural transformation on rural income inequality in Bangladesh {226}	

Contributed Paper Session F 10/02/2023 08:30-10:00

time	CP F1: Agricultural production 2 Chair: john mullen Room: UCSA Ngaio Marsh Theatre	CP F2: Climate change 4 Chair: Lavinia Poruschi Room: UCSA Ti Kōuka (Function Space)	CP F3: Farm management and farmer behaviour 5 Chair: Benedict White Room: UCSA Bentleys	CP F4: Food, Health and Nutrition 4 Chair: Trent Smith Room: Staff Club Upstairs	CP F5: Food, Health and Nutrition 6 Chair: Michael Burton Room: UCSA Room of Requirement (Movie Room)	CP F6: Value Chain Analysis, Marketing Chair: Rajendra Adhikari Room: Staff Club Downstairs	CP F7: Water 2 Chair: Alec Zuo Room: UCSA Green Room	
08:30-08:46	Tim Ölkens Determinants of loan demand in agriculture – empirical evidence from Mali {9} (online)	Pike Stahlmann-Brown Climate Belief, Accuracy of Climatic Expectations, and Pro-Environmental Action {142}	Farid Khan Does behavioral intervention matter for CASI technology adoption decision of smallholder farmers in Bangladesh? {126}	Pilana Vithana Sajith Harshana Is better health associated with improved food market access through household dietary diversity? {8}	Dominic Smith Long COVID? The Gendered Legacy of COVID-19 on Food Insecurity in Myanmar and the Philippines {56} (online)	Aaron Johnson Membership and the Cooperative Value Proposition {131}	Sarah Smith Doing More with Less: Margins of Response to Water Scarcity in Californian Irrigated Agriculture {18}	
08:48-09:04	Marius Michels The rent-price-ratio of an individual decision-maker acting on the German agricultural land market {51} (online)	German Puga The Impact of Climate Change on the Australian Wine Industry {64}	Anna Horton Agriculture Livestock Production in a Carbon Constrained Economy {287}	Sherzod B. Akhundjanov Foodborne Outbreaks, Product Recalls, and Firm Learning: A Recurrent Event Survival Analysis of U.S. Meat and Poultry Recalls {11}	Renato Villano Understanding the Impact of COVID-19 Pandemic and Implications for Adoption of Conservation Agriculture-based Sustainable Intensification Technologies in Bangladesh{57}	Mohammad Mahbubur Rahman Impact of export acceleration grant on the export performance of South Australian firms {22}	Md Sayed Iftekhar Do irrigators care about their neighbours and the environment when making groundwater extraction decisions? Initial results from an irrigators survey in Australia {107}	
09:06-09:22	Shuay-Tsyh Ho Trade-off between agricultural debt use and crop insurance participation: Empirical Evidence from Taiwan {221}	Eike Florenz Nordmeyer Can satellite data increase farmers' willingness to insure against drought? - Insights from Germany {123} (online)	Julia B. Block Farmers' willingness to participate in a carbon sequestration programme: a discrete choice experiment application {96} (online)	Adnan M. S. Fakir Health Costs of a "Healthy Democracy": The Impact of Peaceful Political Protests on Healthcare Utilization {15} (online)	Seifeddine Ben Taieb Effect of labeling and health consciousness on the consumption of genome edited products in Japan {92}	Ou Wang Consumer adoption of blockchain food traceability in New Zealand {4}	Maruge Zhao Dealing with climate change: an evaluation framework for irrigation water governance {113}	
09:24-09:40	PRABU RAJU Genetics studies of early maturing trait in barnyard millet (Echinochloa frumentacea (Roxb.) Link) {42}	David Ahiamadia Income-risk trade-off decision making under climate variability: A Target-MOTAD Compromise Risk Programming Model for smallholder farmers in Northern Ghana. {130}	Marcela Del Carmen Vieira Farmers' perceptions of the ecosystem services provided by dung beetles. {76}	Trang Thi Thu Nguyen Household food waste disposal behaviour is driven by perceived personal benefits, recycling habits and ability to compost {172}	Pratikshya Kandel Implications of COVID-19 on Household Income and Consumption in Communities Surrounding Protected Areas in Nepal {161}	Derek Brewin Exploring the Causes and Implications of Intermittent Price Spikes: The Case of Canola in Canada {66}	Adam Loch Ignoring the climate elephant in the room: How the MDB Plan fails water users {167}	
09:42-09:58	john mullen Reconciling the Multiple Objectives of Agricultural R&D {70}	Lavinia Poruschi Capturing social and economic drought exposure and potential impact beyond the farm gate: Applying a data quality framework {214}	Benedict White Estimating the Value of Dung Beetles to Australian Agriculture {157}	Trent Smith Endocrine State is the Physical Manifestation of Subjective Beliefs {67}	Michael Burton Identifying which food hypersensitivity impacts have greatest affect on people's quality of life, and their WTP to remove those food conditions. {205}	Rajendra Adhikari Drivers and pathways of innovations in the Tasmanian Agrifood Systems {216}	Alec Zuo On-farm Irrigation Efficiency Program and water use on Australian farms: a regional level analysis {183}	

Mini-Symposia/Contributed Paper Session G 10/02/2023 14:00-15:30

time	MS G1: Public perceptions of and WTP for the protection of biodiversity values Chair: Kathryn Bicknell Room: UCSA Ngaio Marsh Theatre	MS G2: CGE modelling of climate change and energy issues Chair: Glyn Wittwer Room: UCSA Tī Kōuka (Function Space)	MS G3: Rural Transformation in Asian Developing countries II Chair: Dong Wang Room: UCSA Bentleys	MS G4: Decision making under risk and uncertainty Chair: Anita Wreford Room: Staff Club Upstairs	CP G5: Natural Resource Management 3 Chair: Brent Sohngen Room: UCSA Room of Requirement (Movie Room)	CP G6: Productivity and efficiency 1 Chair: Shabbir Ahmad Room: Staff Club Downstairs	CP G7: Farm management and farmer behaviour 6 Chair: Maria Fay Rola-Rubzen Room: UCSA Green Room	
14:00-14:16	Ross Cullen Public perceptions of 1080 poison use in New Zealand {283}	Niven Winchester Micro-level Employment Impacts of Climate Policies {282}	Pengfei Shi Impacts of Irrigation on Path and Inclusiveness of Rural Transformation: Evidence of Provincial Data in China {608} (online)	Anke Leroux Life at the brink: food insecurity and livelihood choices {257}	Richard J. Culas Soil Carbon Projects and Their Potential: Case Study Evidence from Wilson Inlet Catchment, Western Australia {41} (online)	Siyuan DONG Regional Contributions to the Changes in China's Soybean Total Factor Productivity {71} (online)	Junpeng Li Mechanized land preparation and rice irrigation water productivity in rural China {153} (online)	
14:18-14:34	Peter Tait Valuing biodiversity benefits of pest and disease management: Three case studies {284}	Xianglong Liu Oil supply shocks and tax policy responses in Australia: insights from a dynamic CGE framework {277}	Changxin Yu Evaluating the impact of GMO adoption on agricultural TFP in China: A regression control approach {609}	Juan Monge Probabilistic risk assessment of the economy-wide impacts from a changing wildfire climate on a regional rural landscape {272}	Fitri Nurfitriani The role of the Community Forest Management and Social Forestry Programs in Increasing Farmers' Income and Conserving Forests in the Upper Citarum Watershed, West Java, Indonesia {84}	Liang Fu A Study on the Impact of Digital Village Development on Total Factor Productivity Growth in County Agriculture in China {122} (online)	Md Mamunur Rashid Evaluation of the Effectiveness of Behaviourally-informed Extension Interventions in Improving CASI Technology Adoption in Northwest Bangladesh {5} (online)	
14:36-14:52	James Ross Can we find pest control techniques that are cost-effective and publicly acceptable? {285}		Liangliang Gao Does Biotechnology Adoption Substitute for Crop Chemicals: Evidence from Nationwide Farm Surveys in China {611}	Michelle Barry Diversification under uncertainty: An application of Portfolio Analysis to the Marlborough wine region {260}	Rizky Rahman The impact of Customary Forest Policy on Deforestation in Indonesia {191} (online)	Martin Andersson An agricultural transformation in the making – The case of the cassava sector in the Ashanti and Volta regions in Ghana {127}	Roy Murray-Prior Insights from a value chain analysis for guiding behavioural science experiments in the Eastern Gangetic plains {32} (online)	
14:54-15:10				Nicola McDonald Decision-making under volcanic uncertainty within dynamic agriculture systems {268}	Dominic White Forestry land use decisions in New Zealand using a computable general equilibrium model {223}	Sadia ABBAS Back to basics: Technology, sources of information and new to market innovation in South Asian firms {184} (online)	Meena Kharel Behavioural Insights from Social Identity Experiment in Morang Nepal {33} (online)	
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