



## **Agricultural Economics Society**

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**93<sup>rd</sup> Annual Conference 2019**

**Full programme**

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**The University of Warwick**

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**Monday 15<sup>th</sup> April, AES Conference Day 1**

09:15-09:45	<b>Registration, Tea and Coffee</b>	
09:45-10:00	<b>Introduction and Welcome – Lecture Theatre</b>	
10:00-11:15	<b>Contributed Papers Session 1</b>	
	<b>Food Security I</b>	
<b>Room: TBC</b> Chair: Dominic Moran	<i>Household shocks, infrastructural investments, food and nutrition linkages in Malawi</i>	Henry Kankwamba, Center for Development Research (ZEF)
	<i>Regional Disparities in Food Consumption and Children's nutritional outcomes in Kenya</i>	Lilian Korir, University of Lincoln
	<i>Uncertainty and Sensitivity Analysis: Robustness check for vulnerability to food insecurity index</i>	Otu Ibok, University of Reading
	<b>Technology Adoption I</b>	
<b>Room TBC</b> Chair: Omotuyole Ambali	<i>Improved Agricultural Technologies and Productivity among Rural Farming Households in Nigeria: Disentangling Technology from Managerial Gaps</i>	Adebayo Ogunniyi, International Food Research and Policy Institute
	<i>Local innovators in Uganda: experimenting with improved maize in a low adoption environment</i>	Nicholas Tyack, Graduate Institute of Geneva
	<i>Risk Preference as an Endogenous Determinant of Improved Rice Technology Adoption Decisions: Empirical Evidence from Nigeria</i>	Omotuyole Ambali, Olabisi Onabanjo University
	<b>Commodity Prices I</b>	
<b>Room TBC</b> Chair: K. Aleks Schaefer	<i>Who will buy fishy lettuce? Australia and Israel as case studies on the effect of pricing on the potential market of aquaponic produce</i>	Asael Greenfeld, Haifa University
	<i>Modelling and forecasting U.S. corn and soybean prices</i>	Atanu Ghoshray, University of Newcastle
	<i>State-level Piecemeal Farm Regulations and the U.S. Commerce Clause</i>	K. Aleks Schaefer, Royal Veterinary College, University of London
	<b>Trade</b>	
<b>Room TBC</b> Chair: Imre Ferto	<i>Exporting Protection: Geographical Indications in EU Trade Agreements</i>	Martijn Huysmans, Utrecht University
	<i>Agricultural Global Value Chains and Structural Transformation</i>	Sunghun Lim, University of Minnesota and Augsburg University
	<i>The duration of the EU agri-food trade</i>	Imre Ferto, Institute of Economics, Hungarian Academy of Science
	<b>Resilience</b>	
<b>Room TBC</b> Chair: Janet Dwyer	<i>Resilience to food insecurity: theory and empirical evidence from international food assistance programmes in Malawi</i>	Monserrath Ximena Lascano Galarza, University of Pavia
	<i>Defining resilience in the context of New Zealand dairy farming and measuring resilience</i>	Elham Shokri, Massey University

<b>Food, Health and Sustainability I</b>		
<b>Room TBC</b> Chair: Tim Lloyd	<i>Examining generational preferences for sustainability attributes of wine: a discrete choice experiment in California</i>	Peter Tait, Lincoln University
	<i>Trade Effect on Health Expenditure Through Dietary Changes: Sugar Intake and Obesity in Mexico after NAFTA</i>	Jorge Soguero Escuer, University of Birmingham
	<i>Consumers' preferences for healthy and sustainable food: Non-hypothetical discrete choice experiments</i>	Simone Cerroni, Queen's University Belfast
11:15-11:45	<b>Tea and Coffee</b>	
11:45-13:00	<b>Keynote Address by Professor Robert Finger (ETH Zürich): 'Reconciling Production and Environmental Services – New Pathways for Agricultural Policies'</b>	
13:00-14:00	<b>Lunch</b>	
14:00-15:30	<b>Discussion Papers Session 1</b>	
<b>Room TBC</b> Chair: Shailesh Shrestha	<i>Social vulnerability to climate change: which role for agricultural diversity? A case study of Bihar</i>	Flavia Scafetti, Bioversity International
	<i>Weather shocks and childrens' growth deprivation: new insights from Uganda</i>	Peter Agamile, University of Manchester
	<i>Financial impacts of liver fluke on dairy farms under climate change - a farm level assessment</i>	Shailesh Shrestha, SRUC
<b>Room TBC</b> Chair: Frances Cossar	<i>An assessment of the impact of government support measures in encouraging entrepreneurship, business innovation and diversification at the farm level</i>	Conall Mullan, Agri-Food and Biosciences Institute
	<i>The Performance of Leased Land Amongst Dairy Farmers in Ireland</i>	Tracy Bradfield, Teagasc/University College Cork
	<i>Impact of mechanization on smallholder agricultural production: evidence from Ghana</i>	Frances Cossar, University of Edinburgh
<b>Room TBC</b> Chair: John Saunders	<i>Financing Gap Approach to Determination of Climate Change Vulnerability: An Example of Plantain Producers in Southwest Nigeria</i>	Mathew Ojo, Justice Development and Peace Movement
	<i>Measuring Irish agricultural efficiency with undesirable outputs: A Malmquist-Luenberger Index Approach using Farm Level Data</i>	Alexander Kaiser, Bundeswehr University Munich
	<i>Long term agricultural productivity</i>	John Saunders, Lincoln University
<b>Room TBC</b> Chair: Berkeley Hill	<i>Social Acceptance and Genome Editing in the Food Sector: Exploring Consequences and Perceptions of CRISPR-based systems</i>	Chad Baum, University of Bonn
	<i>Adoption of precision agriculture technologies: using Group Concept Mapping to explore and deepen knowledge about different stakeholder perceptions</i>	Débora Moretti, University of Bonn

	<i>Evaluating Brexit's impact on the social contributions made by agriculture</i>	Berkeley Hill, Imperial College London
<b>Room TBC</b> Chair: Evgenia Micha	<i>Estimating the economic value of rainfall and irrigation in a global context</i>	Ben Lowe, Sheffield University
	<i>Extension and management pathways for enhanced farm sustainability: Evidence from Irish dairy farms</i>	Lorraine Balaine, NUI Galway/Teagasc
	<i>Mapping the pathways to farm level sustainable intensification: a multi-stakeholder participatory approach</i>	Evgenia Micha, CCRI
15:30-16:15	<b>Poster Session with Tea and Coffee</b>	
16:15-17:30	<b>Contributed Papers Session 2</b>	
	<b>New Zealand</b>	
<b>Room TBC</b> Chair: Eva Schröder-Merker	<i>Assessing the Cost-effectiveness of Targeted Riparian Restoration Policies in New Zealand</i>	Tarek Soliman, Landcare Research
	<i>De-Risking Land-Use Transformation in New Zealand</i>	Alan Renwick, Lincoln University
	<i>Flexible sharemilking arrangements in New Zealand</i>	Eva Schröder-Merker, Massey University
	<b>Qualitative Approaches and Q Methodology</b>	
<b>Room TBC</b> Chair: Robert Ackrill	<i>Fostering lifelong learning within the Northern Ireland farming sector</i>	Austen Ashfield, Agri-Food and Biosciences Institute
	<i>Do farmers' and citizens' preferences for the CAP post 2020 match? Insights from a Q-Study</i>	Julia Anette Schreiner, University of Kiel
	<i>On-Farm Anaerobic Digestion: a dissection of policy barriers to uptake</i>	Robert Ackrill, Nottingham Trent University
	<b>Risk</b>	
<b>Room TBC</b> Chair: Deb Roberts	<i>Seedling variety choices of perennial crops: The role of subjective belief of yield and risk behaviours</i>	Abdul Muis Hasibuan, University of Adelaide
	<i>Feed Risks and Opportunities for Irish Dairy Farms</i>	Edward Knapp, Teagasc
	<i>Hazard Mitigation in EU Food Trade</i>	K. Aleks Schaefer, Royal Veterinary College, University of London
	<b>Economics of Crop Production</b>	
<b>Room TBC</b> Chair: Martina Bozzola	<i>Recovering cropping management practices specific production functions: clustering and latent approach</i>	Esther Devilliers, INRA
	<i>Closing the gaps in experimental and observational crop response estimates: Bayesian Approach</i>	Maxwell Mkondiwa, University of Minnesota
	<i>The welfare effects of biodiversity in the presence of market failures: An empirical application on Kenya</i>	Martina Bozzola, Queen's University Belfast
	<b>Rural Development</b>	

<b>Room TBC</b> Chair: Steve Wiggins	<i>Private credit financing to agriculture and inflation management in developing economies: Evidence from Nigeria</i>	Ibrahim Alley, Nigeria Deposit Insurance Corporation
	<i>Agglomeration and Spillover Effects of Regional Development Programs</i>	Zoltan Bakucs, Hungarian Academy of Science
	<i>How would we ever know? Glasses half full and half empty. Inspirations from Thailand and Tanzania</i>	Steve Wiggins, Overseas Development Institute
<b>Climate Change</b>		
<b>Room TBC</b> Chair: Salvatore Di Falco	<i>Fractional dimensionality of Weather and a New Approach to Climate Risk Financing in Agriculture: Evidence from Kenya</i>	Apurba Shee, University of Greenwich
	<i>Climate Change and Agriculture : Empirical evidence for Agroecological Zones and Countries of the Sahel</i>	Oudah Yobom, UMR Cesaer, INRA, AgroSup Dijon
	<i>Climate Change and Agriculture : Empirical evidence for Agroecological Zones and Countries of the Sahel</i>	Salvatore Di Falco, University of Geneva
17:30-19:30	<b>Social Event: Cycling Trip Led by Dr Neil Chalmers</b>	
19:30	<b>Dinner + Tribute to Tim Josling (1940-2018) led by Emeritus Professor Stefan Tangermann (University of Göttingen)</b>	

**Tuesday 16<sup>th</sup> April, AES Conference Day 2**

07:00-08:00	<b>Social Event: Morning Run Led by Dr Yiorgos Gadanakis</b>	
09:00-09:45	<b>AGM of the Agricultural Economics Society in the Lecture Theatre</b>	
09:45-10:45	<b>Plenary Presidential Address by Professor Caroline Saunders (Lincoln University): 'Sustainable Agriculture: Life beyond Subsidies – Lessons from New Zealand'</b>	
10:45-11:15	<b>Tea and Coffee</b>	
11:15-12:45	<b>Plenary Session Facilitated by Professor Janet Dwyer (CCRI): 'Approaches to teaching agricultural economics - discussing the pros and cons of orthodoxy and heterodoxy'</b> – Speakers are Professor Gianluca Brunori (Università di Pisa), Professor David Harvey (Newcastle University and Editor of the Journal of Agricultural Economics) and Dr Jonathan Brooks (Head of the Agri-Food Trade and Markets, OECD, Paris)	
12:45-13:45	<b>Lunch with Presentation of the AES Centenary History Project by Dr David R. Stead (University College Dublin)</b>	
13:45-15:00	<b>Contributed Papers Session 3</b>	
	<b>Food Security II</b>	
<b>Room: TBC</b> Chair: Olusegun Fadare	<i>Assessment of the Effect of Pastoralist-Crop Farmers' Conflict and Food Security of Farming Households in Kwara State, Nigeria</i>	Shehu Abdulganiyu Salau, Kwara State University
	<i>Analysis of food demand in Somalia</i>	Mohamud Hussein, Agribusiness Solutions Hub
	<i>Effect of Conflict and Food Price Shocks on Calorie Intake and Nutrition Outcome in Nigeria: A Micro-Panel Data Analysis</i>	Olusegun Fadare, International Food Research and Policy Institute
	<b>Technology Adoption II</b>	
<b>Room TBC</b> Chair: Adelina Gschwandtner	<i>The Economics of Residue Retention</i>	Yigezu Atnafe Yigezu, International Center for Agricultural Research in the Dry Areas
	<i>Impacts of social capital and agricultural extension access on improved technology adoption and household welfare in rural Nigeria</i>	Adebayo Ogunniyi, International Food Research and Policy Institute
	<i>The Effects of Risk and Ambiguity Aversion on Technology Adoption: Evidence from Aquaculture in Ghana</i>	Adelina Gschwandtner, University of Kent
	<b>Commodity Prices II</b>	
<b>Room TBC</b> Chair: Hao Lan	<i>The impact of the implementation of mandatory written contract on raw milk price volatility within European Union dairy supply chains: A GARCH analysis as a reference for the UK Dairy Sector</i>	Fernando Agra-Lorenzom SRUC/University of Glasgow
	<i>Commodity Exchange and Spatial Price Dispersion: A Quasi-</i>	Hailemariam Ayalew, University of Dublin, Trinity College

	<i>Experimental Evidence from Ethiopia</i>	
	<i>Food price responds to World Commodity Markets: an investigation on major developed and emerging countries</i>	Hao Lan, Xi'an Jiaotong-Liverpool University
	<b>Productivity</b>	
<b>Room TBC</b> Chair: Mauro Vigani	<i>Tenure security, investment and the productivity of agricultural farms in the communal area of Kavango West region of Namibia: Any evidence of causality?</i>	David Uchezuba, Namibian University of Science and Technology
	<i>Productivity in dairy farming – Long-term dynamics and determinants</i>	Eva Scheichel, University of Natural Resources and Life Sciences, Vienna
	<i>Productivity impacts of CAP Pillar II payments in the EU28</i>	Mauro Vigani, CCRI
	<b>Food, Health and Sustainability II</b>	
<b>Room TBC</b> Chair: Neil Chalmers	<i>Impact of environmental, health and animal welfare information on consumers' willingness-to-pay for milk</i>	Maimouna Yokessa, Agroparistech/INRA
	<i>Do supermarket promotions make us fat? A case of breakfast cereals in Scotland</i>	Olivia Placzek, Bournemouth University
	<i>Moving past meat consumption: Is there room for pulses on the British plate?</i>	Lucianne Wardle, Soil Association
	<b>Impacts on Farm Performance I</b>	
<b>Room TBC</b> Chair: Trevor Donnellan	<i>The Impact of Information Communication Technologies on Chinese Farmers' Agricultural Income</i>	Qiubo Zhu, Wageningen University
	<i>The potential impact of changes to coupled beef support payments on EU beef production: A regional analysis</i>	Anne Hayden, University College Dublin
	<i>Determinants of food security and technical efficiency of agricultural households in Nigeria</i>	Zainab Oyetunde-USman, University of Greenwich
15:00-16:30	<b>Tea and Coffee</b>	
15:00-16:30	<b>Workshop 1: Strategies for Publishing and Disseminating Research – outputs, outlets and outreach (and how EuroChoices can help)</b> – Speakers include Professor Rob Ackrill (Nottingham Trent University) and Antony Hey (Wiley) <b>Workshop 2: Food and Health: Tackling Obesity Chaired by Professor Tim Lloyd (Bournemouth University)</b> – Speakers are Professor José M. Gil (Centre Agro-Food Economy and Development, Barcelona), Jonathan Brooks (Head of the Agri-Food Trade and Markets, OECD, Paris) and Professor Heather Hartwell (Bournemouth University)	
16:30-17:15	<b>Poster Session with Tea and Coffee</b>	
17:15-18:15	<b>Discussion Papers Session 2</b>	

<b>Room TBC</b> Chair: Mark Reader	<i>Counting Ammonia Emissions from Agriculture: A farm scale analysis using the FADN in the Republic of Ireland</i>	Cathal Buckley, Teagasc
	<i>Farms like mine: A big data method in peer matching for agricultural benchmarking</i>	Mark Reader, University of Cambridge
<b>Room TBC</b> Chair: Simone Pfuderer	<i>Using household demographic data to estimate the demand for sustainable diets</i>	Neil Chalmers, University of Aberdeen
	<i>Demand for donkey hides and implications for global donkey populations</i>	Simone Pfuderer, University of Reading
<b>Room TBC</b> Chair: Allan Butler	<i>Some principles for coherent food policies</i>	Jonathan Brooks, OECD
	<i>EU sheep meat trade: economic patterns and potential permutations</i>	Allan Butler, Royal Agricultural University
<b>Room TBC</b> Chair: Karl Behrendt	<i>Estimating the transportation Cost of UK Brewery spent grains using Spent Grain Costing Model</i>	Usama Ben Hamed, Tripoli University
	<i>Impact of Swarm Robotics on Arable Farm Size and Structure in the UK</i>	Karl Behrendt, Harper Adams University
<b>Room TBC</b> Chair: David Blandford	<i>Risk Perceptions in Fisheries: Is there a Rational Learning Process?</i>	Akbar Marvasti, NOAA/SEFSC
	<i>"Burn baby burn" - controlling the risk of wildfires in Greece</i>	David Blandford, Pennsylvania State University
18:15-19:00	<b>Women in Agricultural Economics Networking Session Led by Professor Deb Roberts (University of Aberdeen and James Hutton Institute)</b>	
19:15	<b>Reception followed by AES Annual Conference Dinner in the Rootes Building at 19:45 Speaker: Guy Smith (Deputy President of the National Farmers' Union)</b>	



**Wednesday 17<sup>th</sup> April, AES Conference Day 3**

09:15-10:45	<p><b>Workshop 3: Food Waste – Too Many Definitions</b> – Speakers are Dr Luiza Toma (Scotland’s Rural College), Professor José M. Gil (Centre Agro-Food Economy and Development, Barcelona), Professor Ben Bennett (Natural Resources Institute - University of Greenwich), Maggie March (Scotland’s Rural College), Bethan Thompson (Scotland’s Rural College), Raquel Diaz-Ruiz (Centre Agro-Food Economy and Development, Barcelona), George Jamieson (National Farmers Union Scotland), Dr Karl Rich (International Livestock Research Institute), Dr Peter Alexander (University of Edinburgh), Abdrahmane Wane (CIRAD-ILRI), Dr Eleanor O’Rourke (Zero Waste Scotland), Dr Matteo Vittuari (University of Bologna) and Nic Parsons (TESCO)</p> <p><b>Symposium: The Green Revolution in Retrospect Chaired by Dr Steve Wiggins (Overseas Development Institute)</b></p> <p><b>Masterclass on Spatial Econometrics led by Dr Doris Läpple (NUI Galway)</b></p>	
10:45-11:15	<b>Tea and Coffee</b>	
11:15-12:30	<b>Contributed Papers Session 4</b>	
	<b>Technical Efficiency</b>	
<b>Room TBC</b> Chair: Adewale Henry Adenuga	<i>Exploring the extent to which secondary data is possible to capture innovation at farm level</i>	Yiorgos Gadanakis, University of Reading
	<i>How do adaptation options to climate change, risk preferences and social capital affect technical efficiency of small vineyard farmers in central Chile?</i>	Enrique Alvarado, University of Göttingen
	<i>Modelling environmental technical efficiency and shadow price of phosphorus surplus in dairy farms: A parametric hyperbolic distance function approach</i>	Adewale Henry Adenuga, Agri-Food and Biosciences Institute
	<b>Agri-Environmental Policy</b>	
<b>Room: TBC</b> Chair: Gerald Toland	<i>Investigating policy options to reduce plastic waste in agriculture: A pilot study in the south of Italy</i>	Caterina De Lucia and Pasquale Pazienza, University of Foggia
	<i>Direct and indirect pesticides productivity under different levels of pest pressure and biocontrol: A landscape multi-equation framework</i>	K. Hervé Dakpo, INRA
	<i>Using Sustainability Indicators to Evaluate the Economic, Social and Environmental (ESE) Effects of Alternative Shrimp Production Systems</i>	Gerald Toland, Southwest Minnesota State University
	<b>Trust and Wellbeing</b>	
<b>Room TBC</b> Chair: Paul Dalziel	<i>Interactive social distance and trust: Different measuring approaches among semi-nomadic pastoralists in Northern Kenya</i>	Martin Christoph Parlasca, University of Göttingen
	<i>Fair Producer Prices</i>	Ruud Bronkhorst, InfoBridge Foundation
	<i>Wellbeing Economics and Agricultural Policy</i>	Paul Dalziel, Lincoln University
	<b>Impacts on Farm Performance II</b>	

<b>Room TBC</b> Chair: Stephen Ramsden	<i>Who Really Benefits from Single Payment Scheme (SPS) under Convergence of Payments? Micro-evidence from Northern Ireland</i>	Kehinde Oluseyi Olagunju, Agri-Food and Biosciences Institute
	<i>Direct and indirect effect of irrigation water availability on crop revenue in northwest Ethiopia: A Structural Equation Model</i>	Markose Zewdie, University of Antwerp
	<i>Profitability analysis of snail farming in Owerri agricultural zone Imo state</i>	Jane Munonye, AE-Federal University
<b>Choice experiments</b>		
<b>Room TBC</b> Chair: Jose Gil	<i>Preference uncertainty and serial non-participation in the rural broadband market in Northern Ireland</i>	Elias Mulugeta, Agri-Food and Biosciences Institute
	<i>Modelling Consumers' Preference and Willingness to Pay for Organic Amaranth and Tomato in Ondo State, Nigeria: Evidence from a Choice Experiment</i>	Oluwagbenga Akinwehinmi, Federal University of Technology
	<i>The role of wine-evoked emotions in wine purchase intentions and behaviours</i>	Jose Gil, CREDA-UPC-IRTA
<b>Labour Mobility and Agricultural Cooperatives</b>		
<b>Room TBC</b> Chair: Myles Patton	<i>Social Planner, Agricultural Cooperatives, Bargaining Discrimination, And Social Welfare</i>	Jean Baptiste Habyarimana, City University of Hong Kong
	<i>Agricultural Subsidies and Rural-to-urban Migration: Empirical Evidence from China</i>	Kaixing Huang, Nankai University
	<i>Native-Migrant Labour Substitution by Industry and Wage Effects: Evidence from the UK</i>	Simone Angioloni, Agri-Food and Biosciences Institute
12.30-13:00	<b>Plenary Concluding Session in the Lecture Theatre</b>	
13:00-14:00	<b>Lunch and Depart, 2<sup>nd</sup> Executive Committee Meeting</b>	

