Conference Program

The 9th Asian Society of Agricultural Economists International Conference
Transformation in Agricultural and Food Economy in Asia
Date: 11-13 January, 2017
Venue: The Emerald Hotel, Bangkok, Thailand

**Tue 10 Jan 2017**

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<tr>
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<td>Lunch speech: Modern Agriculture and Role of the Joint Private-Public-CSO Committee</td>
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<td>Mr. IsaraVongkusolkit</td>
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<td>ASAE Executive Council Meeting</td>
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### Thu 12 Jan 2017

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<td><strong>Poster presentation</strong></td>
<td>Hallway-3rd Fl.</td>
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<td>8.30-9.30</td>
<td><strong>Plenary session II:</strong> The Transition from Food to Nutrition Security in Asia&lt;br&gt;Prabhu Pingali&lt;br&gt;<em>Professor, The Charles H. Dyson School of Applied Economics and Management, Cornell University</em></td>
<td>Grand Ballroom-3rd Fl.</td>
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<td>Grand Panorama—14th Fl.</td>
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<td>13.00-14.00</td>
<td><strong>Plenary session III:</strong> Agricultural Transformation, Climate change and Sustainable Development&lt;br&gt;Dr. Mark Rosegrant&lt;br&gt;<em>Director, The Environment and Production Technology Division, International Food Policy Research Institute</em></td>
<td>Grand Ballroom-3rd Fl.</td>
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<tr>
<td>14.00-15.30</td>
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<td><strong>Coffee break</strong></td>
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<td>16.00-17.00</td>
<td><strong>Closing ceremony</strong></td>
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<td>8.00-12.00</td>
<td><strong>Optional</strong> Talaad Thai, The largest wholesale food market in Southeast Asia</td>
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### Fri 13 Jan 2017

Note: *Parallel sessions are on 3rd floor<br>Room: Grand Ballroom, Tabtim, Petai, Petchchompoo, Morakot*
# Details of the Conference Program

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<td><strong>Nguyen Thi Thu Huyen, M. Lucila Lapar, Ninh Xuan Trang and Pham Thi Toan</strong></td>
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<td>Land Consolidation as Technical Change: Effects on Off-farm Labour Supply in Vietnam</td>
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<td><strong>Huy Quynh Nguyen and Peter Warr</strong></td>
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<td>A Study of Farmer’s Decision and Incentive Scheme to Reduce Highland Maize Farming: the Case of Nan Province</td>
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<td><strong>Sittidaj Pongkijvorasin and Khemarat Talerngsri</strong></td>
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<td>Agricultural and Rural Transformation in Myanmar: Racehorse or Donkey?</td>
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<td><strong>Duncan Boughton, Ben Belton, MyatThida Win, Aung Hein, Ellen Payongayong and Tin HuuOo</strong></td>
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<td>Estimating the Recreational Value of Marine Protected Area in Northern Philippines in Support to Coastal Management and Rural</td>
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Transformation

Emma Legaspi Ballad, Teruyuki Shinbo, Yoshinori Morooka and Milagros Morales

Session 1.2 Chair committee: Suwanna Praneetvatakul, Tianhe Sun

Agriculture and the sustainable development goals: Part I

Transforming Thai Economy via Cassava Research

Suwanna Praneetvatakul and Kampanat Vijitsrikamol

Transformation to Organic Production among the Small Tea Holders for Sustainability – Myth or Reality?

K. N. Selvaraj and R. Ganesh

The Determinants of Detecting Veterinary Drugs Residues: Evidence from Shrimp Farmers in Southern Viet Nam

Guenwoo Lee, Aya Suzuki and Vu Hoang Nam

Comparing Agricultural Sector Performance Measures: Indonesia vs Vietnam since 1990

Richard Barichello and Kurt Klein

Environmental Factor Analysis in Marketing Competition of Food Processing Community Enterprises in Chiang Mai Province

Raphassorn Kongtanajaruanun

Session 1.3 Chair committee: Chayada Bhadrakom, Lucila A. Lapar

Food value chain development in the Asian countries

An Empirical Assessment of Onion value Chain in India for Domestic and Export Market

Deepak Shah

Market Competition of Fresh Vegetables between Supermarket and Wet Market in China based on the Difference of Quality and Price

GENG Xian-hui, CHEN Kai-yuan, WEI Ai-jian and ZHOU Ying-heng

Emerging Gender Issues in Vietnam Pig Value Chain

Nguyen Thi Thinh, Ma. Lucila Lapar and Alessandra Galiè

Analysis of Sweet Potato Value Chain in India: An Assessment and Policy Implications

Prakash P., Avinash Kishore, Devesh Roy and Debdutt Behura

Value Chain Analysis of Blue Swimming Crab in the Bicol Region, PHILIPPINES

Arnulfo M. Mascariñas, Erwin E. Torres, Carlos V. Cortez, Jrl. and Leslie Mae A. Gaveria

Session 1.4 Chair committee: Thanaporn Athipanyakul, Lingling Hou

Technological innovations in support to agricultural development and agricultural transformation: Part I

Impacts of Alternate Wetting and Drying (AWD) Irrigation System on Water Productivity, Profitability and Household Income of Modern Varieties (MV) of Paddy Producer in Bangladesh

Basanta Kumar Barmon and Sushanta Kumar Tarafder
Modernization of farm management practices: Experience from Japanese rice farming corporations
Yukio Kinoshita and Nobuo Kimura

Caste, Technology and Social Network
Ishika Gupta, Prakashan ChellattanVeetil and Stijn Speelman

Application of Alternate Wetting and Drying (AWD) in Bangladesh Agriculture: Findings from case studies
M. Saidur Rahman and Bjoern Ole Sander

Marginality Hotspots with Agricultural Potentials in Bangladesh: Technology Innovations, Barriers and Willingness to Pay of Poor Smallholders
Mohammad Abdul Malek, LatifulHaque and Shaikh Moniruzzaman

Session 1.5 Chair committee: Winai Puttakul, Yingkang Lv
Institutional innovations in support to agricultural development and agricultural/rural transformation: Part I
The Effects of Agro-clusters on Rural Poverty: A Spatial Perspective for West Java
Dadan Wardhana, Rico Ihle and WimHeijman

Farmer Cooperation in the Context of Agro-clusters
Dadan Wardhana, Rico Ihle and WimHeijman

Farmer Performance under Competitive Pressure in Agro-cluster Regions
Dadan Wardhana, Rico Ihle and WimHeijman

Behaviors and Determinants of Member Participation in Farmer Cooperative Governance: Empirical Evidence from 273 Apple Growers
FENG Juanjuan, YAN Xiaohuan and HUO Xuexi

Integrating Role of Non-profit Organizations (NPOs) in Rural Tourism Development: Evidence from Chiba, Japan
YasuoOhe

12.10-13.10 Lunch

13.10-13.30 Lunch speech: Modern Agriculture and Role of the Joint Private-Public-CSO Committee
Mr. IsaraVongkusolkit
Chairman, The MitrPhol Group, and Chairman, Thai Chamber of Commerce

13.30-15.00 Parallel session II
Session 2.1 Chair: David Dawe
Emerging trends in a transforming agricultural sector
(Organized Session by FAO)
Food Security and Agricultural Development in Asia: Trends and Prospects
Sumiter Broca

Agricultural Transformation of Middle-Income Asian Economies: Diversification, Farm Size and Mechanization
David Dawe

Poverty, Food Security and Livestock: Issues and Options for Asia and the Pacific
Meeting country ambitions to tackle climate change in agriculture: A novel analysis of developing country INDCs in Asia and the Pacific

Vinod Ahuja

Session 2.2 Chair: Takashi Yamano

Use of mobile phones on Technology Adoption in South Asia (Organized Session by IRRI)

Calls to Farmers about Rice Seeds in Eastern India: Who Pays for the Calls?

V. Pede, T. Yamano, P.C. Veettil, and I. Gupta

Bidding for Seed Price via Mobile Phone: A Case of Submergence-tolerant Rice in Northern Bangladesh

T. Yamano, H. Bhandari, M.L. Malabayabas, M.A. Habib, and S.K. Das

Who pays for Agricultural Information on Mobile Phones? Evidence from Three Countries in South Asia

T. Yamano, T.S. Khanam, Y. Yaguchi, and others

Session 2.3 Chair committee: Decharut Sukkumnoed, Mercy Sombilla

Rural transformation processes in Asia: experiences, lessons learned and Challenges: Part II

Role of Human Capital, Crop Diversification on Women’s Nutritional Status in Sat India Using Dynasty Panel Data

Padmaja Ravula, Soumitra Pramanik, MCS Bantilan and Kavitha Kasala

The Changing Landscape of International Migration: Evidence from Rural Households in Bangladesh, 2000-2014

Aiko Kikkawa and Keijiro Otsuka

Dynamics of school progression in Andhra Pradesh, India: The role of gender and job opportunities

Maki Nakajima, Keijiro Otsuka and Yoko Kijima

Sufficiency Economy Philosophy and Happiness of Farmers in Thailand

Nisachon Leerattanakorn and Aree Wiboonpongse

Occupational Diversification in the Rural Sector a State Level Analysis for India: Some Observations

Chitrasen Bhue

Session 2.4 Chair committee: Apichaya Lilavanichakul, Manan Aslam

Demographic changes: their implications on agricultural production and food consumption

Agricultural Production and Food Consumption in China: A Long-term Projection

Yu Sheng and Ligang Song

Demographic Transformation and Its Implications on Rice Value Chain in Asia

Humnath Bhandari, Ashok Mishra and Samarendra Mohanty

Accessing the Impacts of Rural Infrastructure Investments on Household Farm Investment and Productivity – Case Study of Shrimp Aquaculture in Rural Vietnam Subtheme

Lingfeng Zheng

Emigration, Wages, and Agricultural Transformation in Myanmar’s Mon
State
Mateusz Filipski, Hak Lim Lee, Aung Hein and Ulrike Nischan

Revealing the Paths Connecting Thai Agriculture, Food Industry and Household from Social Accounting Matrix: An Application of Structural Path Analysis
Nattapong Puttanapong and Punyawich Sessomboon

Session 2.5 Chair committee: Nobuhiro Fuwa, Orachos Napasintuwong

Technological innovations in support to agricultural development and agricultural transformation: Part II
Rice Combine Harvester Industry in the Central Region of Thailand
Saroj Aungsumalin and Nugool Kornyuenyong

Poverty, Productivity and Agricultural Research: Evidence from Thailand
Peter Warr and Waleerat Suphannachart

Revenue Sharing in Green Cluster Supply Chain of Highland Arabica Coffee
Chanita Panmanee, Aree Wiboongpongse, Yaovarate Chaovanasopnothol and Wan-Tran Huang

Management Efficiency Models with SCOR Variables of Vegetables under Good Agricultural Practice Standard in Chiang Mai Province
Patcharin Supapunt

An Evaluation of Economic Viability of Small Scale Slaughterhouses in Vietnam: Implication for Pig Value Chain Development
Nguyen Thi Duong Nga, M. Lucila Lapar, Pham Van Hung, Tran Van Long, Pham Kieu My, Pham Thi Toan and Fred Unger

15.00-15.30 Coffee break
15.30-17.00 Parallel session III

Session 3.1 Chair committee: Kampanat Vijitsrikamol, Dadan Wardhana

Rural transformation processes in Asia: experiences, lessons learned and Challenges: Part III
Water Portfolio and Land Lease Contracts: Evidence from Upper East Bank of Chao Phraya Delta, Thailand
Mari Takedaa and Kazunari Tsukadab

Agricultural Business Model and Sustainable Development in Highland: A Case of Nan, Thailand
Khemarat Talerngsri Teerasuwannajak and Sittidad Pongkijvorasin

Revisiting the Returns to Education in Thailand: A Regression Discontinuity Approach
Nobuhiro Fuwa and Upalat Korwatanasakul

Rural Transformation through Public Works Program: A Case of National Rural Employment Guarantee Scheme in Maharashtra, India
Jayanti Kajale and Sangeeta Shroff

Rural Transformation in India, with A Special Reference to Agrarian Transformation in Nagaland: Empirical Analysis
Renbeni Kikon

Session 3.2 Chair: Takashi Yamano

Use of DNA fingerprinting on variety identification
(Organized Session by IRRI)
DNA Gynotyping for Assessing Variety Area Estimates based on Farmer Identification: Case of Rice in Eastern India

P.C. Veettil, I. Gupta, T. Yamano, Z. Huelgas, G. Carino, T. Kretzschmar, and others

DNA Gynotyping for Assessing Variety Area Estimates based on Farmer Identification: Case of Rice in Bangladesh


DNA Fingerprinting for Variety Identification and its implications to Area Estimate and Adoption Studies: Case of Submergence-tolerant Rice in Bangladesh


Session 3.3 Chair committee: Nguyen Thi Duong Nga
Institutional innovations in support to agricultural development and agricultural/rural transformation: Part II
Assessment of Water Rights and Irrigation Pricing Reforms in Heihe River Basin in China

Tianhe Sun, Jinxia Wang, Qiuxiong Huang and Yanrong Li

Transform Agriculture through Supply Chain—Case of Corporate Entry in Agricultural Markets in India
Sangeeta Shroff and Jayanti Kajale

Abatement Costs of Emissions from Burning Maize Straw in Major Maize Regions of China: Balancing Food Security with the Environment
Lingling Hou, Catherine Keske and Dana Hoag

Adoption and Impact of Gaps in Pig Value Chains: Implications for Institutional Policy and Practice Change
Ma. Lucila Lapar, Nguyen Thi Duong Nga, Nguyen Thi Thinh, Nguyen Thi Thu Huyen, Fred Unger, and Delia Grace

Determinants of Price and Contract Choice for Groundwater Irrigation: recent evidence from Bangladesh
Rahman, M. Saidur, Mandal, M. A. Sattar, Kajisa, Kei and Bhandari, Humnath

Credit, Tenancy Choice and Agricultural Efficiency: Evidences from the Northern Region of Bangladesh
Sayema Haque Bidisha, , Anzad Hossain, Mehedi Hasan and Rubaiyat Alam

Session 3.4 Chair committee: Somporn Isvilanonda, Rio Maligalig
Technological innovations in support to agricultural development and agricultural transformation: Part III
An Economic Analysis between GM and Non-GM Maize Production in Southern Vietnam
Pham Van Dung, Orachos Napasintuwong and Nguyen Tri Khiem

Consumers behavior and demand for Thai Hom Mali rice in Sichuan Province of China
Isriya Nitithanprapas Banyasiri, Prapinwadee Sirisupluxana and Ravissa Suchato

Estimating the contribution of seed to increases in crop yield: Method and application
Jiarong Qian

Farmers’ preferences for varietal trait improvements: The case of rice
The 9th ASAE International Conference: Transformation in agricultural and food economy in Asia

farmers in Nueva Ecija, Philippines

Rio Maligalig and Matty Demont

Rice Quality Defined by Urban Consumers and Value Chain Actors in South and Southeast Asia

Marie Claire Custodio, Matty Demont, Alice Laborte, Ma. Lourdes Velasco, Jhoanne and Ynion

Water for Fish in the Nan River Basin

Manaj Potapohn, Chusit Aprirumanekal, Phadungphol Supinij and Louis Lebel

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**Thu 12 Jan 2017**

**7.45-8.30**

**Poster presentation** Chair: Orachos Napasintuwong

- Marketing Potential and Consumer’s Willingness to Pay for Selected Organic Vegetables in Punjab, Pakistan
  Manan Aslam, Shafqat Rasool and Shahid Bashir

- Impact Assessment of Extension Program on Hybrid Rice Adoption in Myanmar
  Phyu Lay MYINT, Orachos Napasintuwong and Naing KYI WIN

- Cost Benefit Analysis in Adaptation of Rice Combine Harvester Entrepreneurs.
  Chompunuch Nantajit

- Adoption of Biogas for Household Energy and Factors Affecting Livelihood of the Users in Rural Bangladesh
  ASM Golam Hafeez, Devi Rani Roy, S. Majumder and S. Mitra

- Clean Milk Production in Indian Dairying: Adoption Status and Application of Logit Model
  Prakashkumar Rathod and Mahesh Chander

- Development Strategy of Beef Cattle Fattening as Efforts Growing an Entrepreneur in Indonesia
  Sutrisno Hadi Purnomo, Shanti Emawati, Ayu Intan Sari and Endang Tri Rahaya

8.30-9.30

**Plenary session II:**

**The Transition from Food to Nutrition Security in Asia**

Prabhu Pingali

*Professor, The Charles H. Dyson School of Applied Economics and Management, Cornell University*

**Food Policy in the Shadow of Skyscrapers**

Steven Jaffee

*Lead Agriculture Economist, The World Bank’s Agriculture Global Practice*

9.30-10.00

**Coffee break**

10.00-12.00

**Parallel session IV**

**Session 4.1** Chair: Nipon Poapongsakorn

**Toward Better Climate Change Adaptation and Resource Allocation Options with Novel Tools and Data**

(Organized Session by TDRI-IDRC)

- Analysis of Costs and Benefits of Farmers’ Adaptation to Extreme Weather Events in the Chao Phraya River Basin
Session 4.2 Chair: Sergiy Zorya
Emerging Opportunities and Challenges for Rice Sector Development in Selected Countries of East Asia from the Point of View of Development Practitioners
(Organized Session by World Bank)
Emerging Opportunities and Challenges for Rice Sector Development in Selected Countries of East Asia from the Point of View of Development Practitioners
Bas Rozemuller, Steven Jaffee, Sergiy Zorya and Larry Wong

Session 4.3 Chair: Yasuhiro Yamada
Entities, Risks and Strategies for Enhancing the Resilience of Food Value Chains
(Organized Session by ERIA)
Managing the Stranded Assets and Protecting the Food value Chains from Natural Disasters
Venkatachalam Anbumozhi and Vangimalla R Reddy
Distributional Impacts of Climate Change and Food Security in Southeast Asia
Srivatsan V Raghavan, Jiang Ze, Jina Hur, Liu Jiandong, Nguyen Ngoc Son, Sun Yabin and Liong Shie-Yui
Peat Policy and Its Implications on Value Chains of Indonesian Palm Oil
Budi Indra Setiawan and Falatehan Faroby
Chained to Sustainable Development Goals? Changing Role of Entities for Enhanced Resilience along Agriculture Food Value Chains in Thailand
John K. M. Kuwornu
Assessing the Competitive Advantage of Public Policy Support for Supply Chain Resilience Case of Local Governance in Chiba
Eiji YAMAJI

Session 4.4 Chair: Hermann Weilbel
Rural Development and Agricultural Transformation in South East Asia with Emphasis on Thailand and Vietnam
(Organized Session by Leibniz University Hannover, Germany)
The Use of Long Term Panel Data for Research on Rural Development in Asia
Ulrike Grote, Stephan Klasen, Rattiya S. Lippe, Suwanna Praneetvatakul, Andreas Wagener and Hermann Waibel
Poverty and Nutrition Transitions in Rural Provinces of Thailand, Lao PDR and Vietnam
  Thi Hoa Pahlisch, Priyanka Parvathi and Hermann Waibel

Rural-Urban Migration, Welfare and Employment: A Comparison between Vietnam and Thailand
  Ulrike Grote and Hermann Waibel

Borrowing from “Pui” to Pay “Pom”: Multiple Borrowing and Over-Indebtedness in Rural Thailand
  Bezawit Beyene Chichaibelu and Hermann Waibel

Understanding Vulnerability to Poverty – How Do Shocks and Assets Influence Economic Mobility of Rural Households?
  Dorothee Buehlera and Wendy Cunninghamb

Session 4.5 Chair Committee: Ittipong Manathanaseth, Dasep Wahidin

Prospects of Asian Agriculture under the Regime of AEC and Other Trade Agreements in the Asia and Pacific Region and Beyond
  Between Two Goliaths: the Enforcement of Genetically Modified Food Labelling Regulation in Indonesia
  Dasep Wahidin and Kai Purnhagen

The Economic and Environmental Impacts of a Free Trade Area of the Asia-Pacific
  Hirokazu Akahori, Daisuke Sawauchi and Yasutaka Yamamoto

Trade Creation, Political Sensitivity and Product Exclusions: the Political Economy of Agriculture Protection in China’s FTAs
  Jianxing Lyu, Sören Prehn, Yanjie Zhang, Thomas Glauben and Yinchu Zeng

Implications of Price and Trade Policies of Rice On Income and Poverty in Sri Lanka
  Chatura Sewwandi Wijetunga

Elasticity of Import Substitution and Impact of FTA on Dairy Products in Japan
  Hideyasu SATO

Time as a Barrier to Trade Facilitation: Assessing the Impact of TPP on China’s Agriculture
  Yingkang Lv, Hai Lin

12.00-13.00 Lunch

Grand Panorama-14th Fl.
13.00-14.00 **Plenary session III:**
Agricultural Transformation, Climate change and Sustainable Development

Dr. Mark Rosegrant
*Director, The Environment and Production Technology Division, International Food Policy Research Institute*

Applications of Sufficient Economy Philosophy and the Principle of Work in Agricultural and Rural Development

Dr. Prasarn Trairatvorakul
*Director, Thailand Sustainable Development Foundation (TSDF)*
*Former Governor, the Bank of Thailand*

14.00-15.30 **Parallel session V**

**Session 5.1 Chair: Isriya Bunyasiri**

**Proactive Agricultural Insurance Market: Meeting Market Needs for Risk Management**

*(Organized Session by TDRI-IDRC)*

Overview of Agricultural Insurance and Reinsurance Market and Challenging Issues from Insurers' Persepctive

Yu Deng

The impact of policy agricultural insurance on the production behavior of peasant households and a measurement of moral hazard: A natural experiment research based on hog insurance

Zhang Yuehua

Farmers Attitudes Towards Agricultural Insurance in Thailand

Isriya Bunyasiri, Prapinwadee Sirisupluxana and Ravissa Suchato

Satellite Imagery and Remote Sensing Technology: Tools to Design Agricultural Insurance to Improve Efficiency

Sommarat Chantarat

**Session 5.2 Chair: Marcel Gatto**

**Release and Adoption of Improved Cultivars in South and Southeast Asia**

*(Organized Session by CGIAR)*

Release and Adoption of Modern Potato Varieties in Southeast, East, and South Asia

Gatto, M., Hareau, G., Pradel, W., Suarez, V. and Qin, J.

The Adoption of Improved Cassava Varieties in South and Southeast Asia

Ricardo Labarta, Tesfamicheal Wossen and Dung Phuong Le

Release and Adoption of Improved Cultivars in South and Southeast Asia: Rice


Groundnut, Chickpea, Pigeon pea, Lentils and Barley
Session 5.3 Chair: Mohammad Abdul Malek

Economics of Microcredit Intervention for the Tenant Farmers
(Organized Session by University of Tokyo)

Tenant Farmers in Bangladesh: Context of a Customized Agricultural Micro-Credit Program
Mohammad Abdul Malek and Yasuyuki Sawada

Impact of Micro-Credit Program for the Tenant Farmers in Bangladesh: Evidence from Field Experiment

Does Credit Access Improve Firm Output and Efficiency? Evidence from Bangladesh
Nusrat Abedin Jimi, Subal Kumbakar, Plamen Nikolov and Mohammad Abdul Malek

Role of an Agricultural Microcredit Program in Facilitating Farmers Risk Coping in Bangladesh
Yasuyuki Sawada, Mohammad Abdul Malek, Md. Amzad Hossain and Minhaj Mahmud

Food Security among the Marginalized Farm Households in Rural Bangladesh: Conceptual Differences and Realities from the Field Experiment
Tanvir Shatil, Mohammad Abdul Malek, Md. Shakil Ahmed and Yasuyuki Sawada

Determinants of Subjective Well-being of Marginal Tenant Farmers: Bangladesh Perspective
Tahsina Naz Khan, Mohammad Abdul Malek, Yasuyuki Sawada

Session 5.4 Chair Committee: Witsau Attavanich, Emma L. Ballad

Agriculture and the Sustainable Development Goals: Part II

What Determine Corn Farmers’ Decision to Adapt to Climate Change Impacts in Bohol, Philippines?
Zyra May H. Centino and Arvin B. Vista

Supply Reliability of Groundwater Irrigation, Climate Change, and Tube Well Density in Rural China
Yanrong Li, Jinxia Wang, Jikun Huang, Bhim Adhikari and Liangzhi You

Irrigation Policies under Rapid Industrialization and Labor Migration: Lessons from Japan, China and India
Kei Kajisa

Climate change and maize yield: Do the autonomous adaptation practices have effect on maize yield?
Tiah Abdul-Kabiru MAHAMA and Keshav Lall MAHARJAN

Risk Management and Coping Strategies: Climate Change and Agriculture in the Philippines
Majah-Leah V. Ravago, James Roumasset and Karl Jandoc

15.30-16.00 Coffee break
16.00-17.00 Closing ceremony
Report of the ASAE board
Closing remarks
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