The 3rd ASEAN University Symposium for Sustainable Food System
Bioeconomy of Sustainable Food systems: From Local Resources to Global Impacts
Department of Agricultural Economy and Development, Faculty of Agriculture, Chiangmai University, Chiangmai, Thailand. May 20-22, 2026

Program Agenda

DAY 1: Wednesday, May 20, 2026 – Preconference Workshop

IMPACT EVALUATION AND CAUSAL INFERENCE FOR EVIDENCE-BASED POLICY MAKING
Patrick Ward
Food and Resource Economics Department, University of Florida

Learning Objectives

By the end of this workshop, participants should be able to:

- Understand the importance of impact evaluations for evidence-based policy making
- Apply counterfactual reasoning to identify causal effects
- Have a basic understanding of the various statistical methods used to perform causal analysis, and what method is most appropriate for a specific evaluation design
- Understand the role of cost-effectiveness analysis in impact evaluation

Program Schedule

Zoom Meeting ID: 591 447 4839 | Zoom Link: https://cmu-th.zoom.us/j/5914474839?omn=99299059774

Time	Session	Content
9.00-09.30	Welcome & Introduction	Workshop objectives; what is evidence-based decision making?
09.30-10.30	Theory of Change	Deep dive into ToC development; linking inputs → activities → outputs → outcomes → impact; group exercise: build a ToC for a sample policy
10.30-10.45	Break	
10.45-11.45	Fundamentals of Causal Inference	The counterfactual framework; selection bias; why we need rigorous methods
11.45-12.30	Regression Adjustment Basics	Introduction to regression for causal analysis; controlling for confounders; interpreting coefficients; limitations of regression alone
12.30-13.15	Lunch Break	
13.15-14.15	Experimental Methods: RCTs	Gold standard for causal inference; design considerations; practical and ethical challenges; when RCTs are (and aren't) feasible
14.15-14.30	Break	
14.30-15.30	Quasi-Experimental Methods	Overview of Difference-in-Differences, Regression Discontinuity, and Instrumental Variables; when to use each; real-world policy examples
15.30-16.15	Cost-Effectiveness Analysis	What is cost-effectiveness analysis? Developing cost questions; the ingredient method of costing; integrating cost data with impact findings
16.15-17.00	From Evaluation to Policy Impact	Communicating findings to policymakers; building an evidence ecosystem; scaling what works
17.00-17.30	Synthesis & Closing	Key takeaways; resources; Q&A and discussion

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DAY 2: Thursday, May 21, 2026

8:30-9:00	**Registration**
9:00-9:15	Opening and Program overview
9:15-10:00	**Keynote presentation** **Venue: Boonyawat Lumpaopong Meeting Room** **Zoom ID: 734 965 8515 | Zoom Link: https://cmu-th.zoom.us/j/7349658515** Bioeconomy policies and industrial development during China's Agrifood systems transformation Dr. Ting Meng Academy of Global Food Economics and Policy; College of Economics and Management, China Agricultural University
10:00-10:20	Health Break & Networking
10:20-12:00	**Parallel Session I: Integrated Bioeconomy, Food Systems, and Policy for Sustainable Development**
	1.1 Inclusive Bioeconomy Chairperson: Piya Wongpit (NUOL) **Venue: Sukhum Assawes Meeting Room** **Zoom ID: 403 037 7192 | Zoom Link: https://cmu-th.zoom.us/j/4030377192** • The Impact of Bioeconomy Development on Household Income in Lao PDR (NUOL) *Bounmy Inthakesone* • Socio-Economic Drivers of Community Engagement in Mangrove Restoration and Development: Empirical Evidence from Xuan Thuy Ramsar Site, Vietnam (VNUA) *Pham Thi Thanh Thuy, Le Thi Thanh Loan* • Food Sovereignty and Policy Coherence in Atok, Benguet, Philippines (UPLB) *R.D.Q. Buenaseda, B.M. Bathan, and J.A. Delos Reyes* **1.2 National and Regional Bioeconomy Chairperson: Thong Le Pham (CTU)** **Venue: Boonyawat Lumpaopong Meeting Room** **Zoom ID: 734 965 8515 | Zoom Link: https://cmu-th.zoom.us/j/7349658515** • Public Food Procurement as a Leverage Point for Sustainable Food Systems: Evidence from Thai Hospitals (MU) *Narumon Charoenjai* • *Food Security Outcomes* under STI Policy Implementation: Comparative Evidence from Selected ASEAN Countries (KU) *Dung Van Pham and Orachos Napasintuwong* • Development of Regulatory Sandbox Framework for Food Innovations in the Philippines (UPLB) *Geny F. Lapiña, Cherry Lou R. Nuñez, Rei Chino C. Pua, Charis Mae T. Neric, Juliana Mae G. Guda, and Hannah Leica B. Bautista* • Assessing and Explaining Regional Food Insecurity Vulnerability in Indonesia: An Integrated Approach Using Composite Index and fsQCA (IPB) *Akhmad Fauzi* **1.3 Sustainable Agri-food Production Chairperson: Yaovarate Chaovanapoonphol (CMU)** **Venue: Department Meeting Room** **Zoom ID: 661 289 5461 | Zoom Link: https://cmu-th.zoom.us/j/6612895461** • Knowledge, Attitude and Perception Toward Integrated Multi-Trophic Aquaculture (IMTA) among Aquaculture Farmers in Central Region of Peninsular Malaysia (UPM) *Shazrul Ekhmar Abdul Razak, Amerul Rasshiq Muhammad Syazwi Sevasamy, Muhammad Adam Khairul Ayzan & Mark Buda*

	• Intention to Use Biopesticides among myGAP Vegetable Farmers in Peninsular Malaysia: A Preliminary Assessment (UPM) *Devarajen Rajagopal, Nolila Mohd Nawi, Norida Mazlan & Ahmad Hanis Izani Abdul Hadi* • Analysis of Awareness Index and Adoption Potential on Sustainable Natural Rubber (SNR) Guidelines Among Selected Farmers in Mudon Township (YAU) *Aung Min Thein, Yu Yu Tun, Thida Than, San Shwe Myint and Soe Paing Oo*
12:00-13:15	Lunch Break & Networking
13:15-15:00	**Parallel Session II: Agri-Food Systems Transformation: Production, Logistics, and Socio-Economic Outcomes**
	2.1 Bio-based Production and Logistic Chairperson: Charis Mae T. Neric (UPLB) **Venue: Sukhum Assawes Meeting Room** **Zoom ID: 403 037 7192 | Zoom Link: https://cmu-th.zoom.us/j/4030377192** • Logistics Constraints in the Circular Bioeconomy: A Bibliometric Analysis of Biomass Supply Chain Management (CMU) *Nilubon Chonsawat, Pornsiri Suebpongsang, Oraphan Pradit, Jittima Singvejsakul, Jirawan Kitchaicharoen* • Thailand's Strategic Framework for Low-Carbon Agricultural Logistics (KU) *Kunakorn Wiwattanakornwong* • Production Efficiency of Seaweed Cultivation in Malaysia (UPM) *Mark Buda & Jia Wei Soh* • Profitability Analysis of Marketed-End Products of Groundnut Farmers: A Case Study in Magway Township, Myanmar (YAU) *Thandar Aye, Honey Lynn Lynn, Myint Myat Moe, and Ei Han Kyaw.* **2.2 Sustainable Production Chairperson: Le Thi Thanh Loan (VNUA)** **Venue: Boonyawat Lumpaopong Meeting Room** **Zoom ID: 734 965 8515 | Zoom Link: https://cmu-th.zoom.us/j/7349658515** • The Impacts of Unmanned Aerial Vehicle Adoption on Rice Production in the Mekong Delta, Vietnam (CTU) *Uyen Tu Tran and Thong Le Pham* • Adoption of Forest Stewardship Council (FSC) Standards by Trad Rubber Cooperative Farmers, Thailand (KU) *Kanyarat Lamdap Suwanna Praneetvatakul and Suwanna Sayruamyat* • Robusta Coffee Production Management and Farmer Profiles: A Case Study of Loei Province, Thailand (CMU) *Parichard Sangkumchaliang, Anongnat Sriprachote, Porntip Phontusang and Suwita Saepaisan* • Sustainable Macadamia Production in Mountain Food Systems of Northwest Vietnam: Opportunities and Risks (VNUA) *Do Thi Thanh Duong, Nguyen Thi Thiem, Luu Van Duy, Nguyen Thanh Phong* **2.3 Food, Consumption and Livelihood Chairperson: Borworn Tanrattanaphong (KU)** **Venue: Department Meeting Room** **Zoom ID: 661 289 5461 | Zoom Link: https://cmu-th.zoom.us/j/6612895461** • Food Expenditure Inequality between Farm and Non-Farm Households in Rural Vietnam (CTU) *Uyen Tu Tran, Thong Le Pham , Hieu Huu Dang* • A Participatory Process for Designing Willingness-to-Pay Scenarios for Procuring School Meals from Community Foods in Thailand (MU) *Khwanruethai Amorndoljai* • Ready-To-Cook Foods and Gender Division in Meal Preparation in Vietmese Families (VNUA) *Nguyen Mau Nhat Nam, Nguyen Phuong Le*

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15:00-15:20	Health Break & Networking
15:20-16:45	**Parallel Session III: Climate Risk, Financial Innovation, and Sustainable Bioeconomy Systems**
	3.1 Risk and Risk Management Chairperson: Shazrul Ekhmar Abdul Razak (UPM) **Venue: Sukhum Assawes Meeting Room** **Zoom ID: 403 037 7192 | Zoom Link: https://cmu-th.zoom.us/j/4030377192** • Risk Measurement for Major Agricultural Products of Thailand: Stochastic Volatility Approach (CMU) *Yaovarate Chaovanapoonphol , Jittima Singvejsakul and Songsak Sriboonchittra* • Microinsurance for Climate Resilience in Lao PDR: A Diagnostic Assessment of Supply, Demand, and Policy Gaps (NUOL) *WONGPIT, Piya, Pakaiphone Syphoxay* • Perspectives of Private Rice Seed Companies on Crop Insurance for Promoting Sustainable Bioeconomy in Myanmar (YAU) *Nyein Nyein Phyoe, Theingi Myint, Honey Lynn Lynn, and Nyein Nyein Htwe* **3.2 Nature-positive Production Chairperson: Bounmy Inthakesone (NUOL)** **Venue: Department Meeting Room** **Zoom ID: 661 289 5461 | Zoom Link: https://cmu-th.zoom.us/j/6612895461** • Technology-Enabled Controlled-Environment Farming in Brunei Darussalam: Evidence and Pathways toward a Bioeconomy-Oriented Sustainable Food System (UNISSA) *Haikal Latip, Rose Abdullah* • Carbon Capture and Storage Potential of Grasslands: A Case Study in San Jose, Tarlac, Philippines (UPLB) *Jayson S. Cabral, Chelo S. Pascua, Cherry L. Ringor, Alexander Keihl B. Magtoto, Edblanch Y. Blanco* • Diversifying Market Channels for Agroforestry Products: The Case of Phousan Tea, Lao PDR (NUOL) *Lytoua Chialue*
16:45-17:30	**Best paper award and Closing Ceremony** **Venue: Boonyawat Lumpaopong Meeting Room** **Zoom ID: 734 965 8515 | Zoom Link: https://cmu-th.zoom.us/j/7349658515** Announcement of the host of the 4th ASEAN University Symposium for Sustainable Food System Vote of thanks Closing ceremony by KU
19:00	Conference Dinner: ChiangMai Phucome Hotel **Sponsored by Department of Agricultural and Resource Economics, Kasetsart University**

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DAY 3: Friday, May 22, 2026

Optional study trip

Time	Activity	Location/Remarks
8:30-9:00	**Registration and Assembly**	ChiangMai Phucome Hotel: Lobby
9:00-12.00	**Exploring Thailand's largest spirulina farm, including cultivation techniques, processing, and health product commercialization.**	Boonsom Microalgae Farm, https://boonsom.com/
12:00-13:00	**Lunch Break**	
13:00-16:00	**Technical Visit and Innovation Showcase**	Science and Technology Park, Chiangmai University
16:00	**Departure and Return**	Transfer to Hotel