

Agricultural Policy Analysis with Partial Equilibrium Models

Training Workshop Conducted by the International Food Policy Research Institute (IFPRI)

Monday, 6 November – Friday, 17 November 2023

Venue: IFPRI Building (1201 Eye St., NW), Rooftop Conference Room

DAY 1 – Monday, November 6 | Time: 09:00am – 04:00pm

(09:00am) Introduction

(09:30am) Partial Equilibrium Model 1a (1 commodity; 1 household)

(10:30am) Coffee Break

(10:45am) Model 1a: Exercise and Discussion

(12:00pm) Lunch

(01:00pm) Model 1b: (1 commodity; 4 households); Exercise (poultry sims)

(02:15pm) Coffee Break

(02:30pm) Model 1b: Exercise (poultry sims) and Discussion

DAY 2 – Tuesday, November 7 | Time: 09:00am – 04:00pm

(09:00am) Partial Equilibrium Model 2 (sweet potato sims); Exercise
(sweet potato sims)

(10:30am) Coffee Break

(10:45am) Model 2: Exercise (sweet potato sims) and Discussion (cont.)

(12:00pm) Lunch

(01:00pm) Partial Equilibrium Model 3: Exchange Rates and Border Prices;
Coffee Sims

(02:15pm) Coffee Break

(02:30pm) Model 3: Exercise (coffee sims) and Discussion (*continuation*)

DAY 3 – Wednesday, November 8 | Time: 09:00am – 04:00pm

(09:00am) Partial Equilibrium Model 4: Rice Simulations

(10:30am) Coffee Break

(10:45am) Partial Equilibrium Model 4: Rice Simulations and Discussion

(12:00pm) Lunch

(01:00pm) PNG National Accounts and SAM

(02:15pm) Coffee Break

(02:30pm) SAM exercises

Angga Pradesh

DAY 4 – Thursday, November 9 | Time: 09:00am – 04:00pm

(09:00am) Agri-Food System Diagnostics

Angga Pradesha

(10:30am) Coffee Break

(10:45am) PNG SAM CGE sim

(12:00pm) Lunch

(01:00pm) Review and group projects

(02:15pm) Coffee Break

(02:30pm) Group projects (*continuation*)

DAY 5 – Friday, November 10 | Time: 09:00am – 04:00pm

(09:00am) Group projects (*continuation*)

(10:30am) Coffee Break

(10:45am) Group projects (*continuation*)

(12:00pm) Lunch

(01:00pm) Group projects (*continuation*)

(02:15pm) Coffee Break

(02:30pm) Group presentations and review

Venue: IFPRI Building (1201 Eye St., NW), 8th Floor Conference Room

DAY 6 – Monday, November 13 | Time: 09:00am – 04:00pm

(09:00am) PNG Survey Data and Rice Analysis

Emily Schmidt

(10:30am) Coffee Break

(10:45am) PNG Survey Data and Rice Analysis (*continuation*)

(12:30pm) Lunch

(01:30pm) Implications of Climate Change

Channing Arndt

(03:00pm) Coffee Break

(03:15pm) Climate Change Discussion

DAY 7 – Tuesday, November 14 | Time: 09:00am – 07:30pm

(09:00am) Partial Equilibrium Regional Model; Climate Change Simulations

(10:30am) Coffee Break

(10:45am) Climate Change Simulations and Discussion

(12:30pm) Lunch (*DSG Unit Lunch, 8th floor*)

(01:30pm) IFPRI DSG Unit Retreat (*12CD Conference Room*)

(05:30pm) DSG Unit Reception (*SPIN, 1332 F St NW, Washington, DC 20004*)

DAY 8 – Wednesday, November 15 | Time: 09:00am – 04:00pm

(08:00am) IFPRI RISE 2023 - Day 1

(01:30pm) Group projects

DAY 9 – Thursday, November 16 | Time: 09:00am – 04:00pm

(08:00am) IFPRI RISE 2023 - Day 2

(01:30pm) Group projects

DAY 10 – Friday, November 17 | Time: 09:00am – 04:00pm

(08:00am) IFPRI RISE 2023 - Day 3

(01:30pm) Group project presentations

(03:00pm) *Coffee Break*

(03:15pm) Summary and course certificates



Angga Pradesha

Senior Scientist | Foresight and Policy Modeling Unit

[full bio](#)

Angga Pradesha is a Senior Scientist in the Foresight and Policy Modeling Unit. His research interests center around the application of economywide models on issues related to international trade, climate change, natural resources, poverty, and food security. Prior to joining IFPRI, he worked as a Research Associate at the Asian Development Bank Institute (ADBI) in Tokyo. He received a master's degree in International Development from the International University of Japan and a master's degree in Applied Economics from the International Islamic University of Malaysia. He completed his bachelor's degree in Agricultural and Resource Economics at Bogor Agricultural University, Indonesia.



Channing Arndt

Senior Director | Transformation Strategies, CGIAR and IFPRI

[full bio](#)

Channing Arndt is the Senior Director for Transformation Strategies, where he oversees four units within IFPRI/CGIAR: Natural Resources and Resilience, Innovation Policy and Scaling, Foresight and Policy Modeling, and Development Strategies and Governance, which houses IFPRI's regional offices and country programs. He has worked closely with central decision-making organs at the national level in Africa and Asia, including six years of resident experience in the Ministry of Planning and Finance in Mozambique. He has dedicated his career to the systemic transformations that underpin inclusive and sustainable economic development, and established a reputation for building institutional capacity in countries and via research networks such as the African Economic Research Consortium. His recent books include *Growth and Poverty in Sub-Saharan Africa*; *Measuring Poverty and Wellbeing in Developing Countries*; and *The Political Economy of Clean Energy Transitions*. He has published research in leading academic journals on a range of topics including agricultural development, poverty measurement, poverty alleviation and growth, market integration, nutrition, gender and discrimination, HIV/AIDS, technological change, trade policy, aid effectiveness, energy, bioenergy, climate variability, and the implications of climate change.

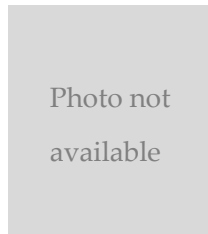


Emily Schmidt

Senior Research Fellow | Development Strategies & Governance Unit

[full bio](#)

Emily Schmidt is a Senior Research Fellow in the Development Strategies and Governance Unit. Her research focuses on the intersection of development economics and geographic information systems (GIS) with an emphasis on the dynamic process of rural land transformation, rural employment diversification, and agricultural production outcomes on household welfare. Her most recent research explores household livelihood strategies in Papua New Guinea, including linkages between agriculture, poverty, and nutrition outcomes among rural smallholder farmers.



Junyan Tian

Research Analyst | Development Strategies & Governance Unit

Junyan Tian is interested in promoting the use of agriculture for sustainable development in developing countries as both an analyst and practitioner. His interests lie in impact evaluation of development and agricultural interventions using quantitative tools, such as regression techniques and identification strategies. More recently, he has been exposed to economywide impact analysis on cash-transfer programs in African countries. By applying these quantitative approaches, Junyan hopes to offer cost-effective and evidence-based solutions to local governments and donors, as well as to monitor and assess sustainable development projects in the global south.



Mekamu Kedir Jamal

Senior Research Analyst | Development Strategies & Governance Unit

Mekamu Jamal is a research analyst at IFPRI, involved in diverse research areas, with a particular focus on spatial analysis, in various countries. His familiarity to PNG began with a significant role in the 2018 IFPRI survey, contributing to sample design. In 2023, he is playing a substantial role, managing data collection and conducting data analysis of the survey. Furthermore, Mekamu collaborates with the Fresh Produce Development Agency (FPDA) in managing the major market food price database (online dashboard and quarter food price bulletins). He has provided essential GIS training to stakeholders in the Department of Agriculture and Livestock, empowering decision-making in PNG's economic landscape.



Paul Dorosh

Director | Development Strategies & Governance Unit

[full bio](#)

Paul A. Dorosh has been the Division Director of IFPRI's Development Strategy and Governance Division since April, 2011. His previous positions include IFPRI Senior Research Fellow and Program Leader of the Ethiopia Strategy Support Program in Addis Ababa (2008-2010), Senior Economist at the World Bank (2003-2008), senior research fellow with IFPRI in Dhaka, Bangladesh (1997-2001) and Associate Professor at Cornell University (1994-97). He holds a Ph.D. in Applied Economics from the Food Research Institute, Stanford University and a B.A. in Applied Mathematics from Harvard University, and has published research on agricultural markets, food policy, international trade, economy-wide modeling and the rural-urban transformation.



Rishabh Mukerjee

Research Analyst | Development Strategies & Governance Unit

Rishabh Mukerjee is a recent graduate student from Cornell University, where he pursued his MS in Applied Economics and Management with a research concentration in Food and Agricultural Economics. Originally hailing from India, he also holds a BA in Economics from the University of Delhi. His passion lies at the intersection of development and behavioral economics, with a focus on understanding stakeholder preferences, decision-making processes, and applications of microeconomics theory. Rishabh is driven by the desire to contribute to data-backed policy solutions that improve rural livelihoods and food systems. Before joining IFPRI, Rishabh gained valuable experience as a graduate research assistant at the Feed the Future Innovation Lab for Crop Improvement at Cornell University. In this role, he actively participated in a USAID-funded multidisciplinary project aimed at understanding West African farmers' trait preferences in staple crops. During an independent field visit to villages in Senegal, he gained valuable insights into the importance of understanding local perspectives in research. With an eagerness to enhance his research skills, Rishabh is excited about his role with IFPRI, where he aims to conduct impactful, policy-relevant economic research. Besides his academic endeavors, he is recognized for his versatility, goal-oriented approach, and meticulousness. Rishabh values collaborative teamwork and aims to foster productive cooperation in diverse settings. Fluent in both English and Hindi, Rishabh looks forward to contributing his expertise and dedication to IFPRI's mission.



Shweta Yadav

Research Analyst | Development Strategies & Governance Unit

Shweta completed her Bachelor of Arts in Economics (Honors) from Delhi University. Thereafter, she went on to pursue a Master of Arts in Development Studies from Tata Institute of Social Sciences (India). Recently, she completed her research-based education (M.S.) in Applied Economics and Management at Cornell University with specialization (s) in International Development Economics, and Food and Agriculture Economics. During her education at Cornell University, she has also been working at Tata Cornell Institute, on diverse projects, especially on the Rockefeller-funded True Cost Accounting for India's Public Distribution System (PDS) policy.

Shweta has close to four years of full-time professional experience, working with diverse stakeholders in the development field. After completing her Master in India, she worked in Andhra Pradesh (State) Planning Department in the Social

Development sector. Afterward, she worked as a researcher at the Centre for Management in Agriculture, Indian Institute of Management (Ahmedabad) involving primary research with stakeholders in the domain of the agricultural-value chain, and co-authored case studies on innovations in finance-technology within agri-food value chains.

With the skills and specialization developed thus far, and an interest in micro-economic research and analytics, Shweta looks forward to her contributions and learnings at the reputed organization, IFPRI, well known for its vision, scientific rigor, and impactful research.

Biography (Papua New Guinea)



Aaron Kotto

Regional Economic Advisor

Department of Agriculture & Livestock (DAL)



Adrian Kinau Maikai

Senior Policy Coordination and Monitoring Officer, Health Sector, Policy Division 2

Department of Prime Minister and National Executive Council (PMNEC)



Glen Hayoge

Manager

Fresh Produce Development Agency (FPDA)



Harry Gimiseve

Consultant



Helmtrude Sikas-Iha

Consultant, President

Agri-Meri Dev Consultants (AMDC)



Josiah Joseph

National Statistician

National Statistical Office (NSO)



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Senior Policy Coordination and Monitoring Officer, Administrative, Provincial and District Services, Policy Division 2

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Robert Gondo

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*Director Infrastructure- Infrastructure & Works and Transport Branch,
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