SEACEN Workshop on Economic Modelling for Policy: A Practitioner's Primer

11-12 November 2025
Kuala Lumpur, Malaysia

Introduction

As economic challenges grow in complexity, there is a rising demand for robust economic modelling tools to support policymaking. This workshop aims to equip central bankers with practical insights and applications of frontier economic and econometric models relevant to monetary and financial stability policy. Designed as an immersive introduction, the workshop offers participants a broad exposure to diverse empirical methodologies, highlighting their strengths, limitations, and practical applications. This workshop also serves as a strategic primer—a chance to explore the landscape of modern modelling approaches and how they can support evidence-based policymaking.

The programme brings together leading scholars and practitioners to demonstrate models such as the G-Cubed model, structural VAR, and Computable General Equilibrium (CGE) approaches. Applications include trade and tariff scenarios, climate-related risks, and regional integration frameworks. The workshop is complemented by case-based discussions and opportunities for one-on-one engagement with experts.

Objectives

- To explore the frontiers, challenges, and applications of macroeconomic empirical models;
- To demonstrate applied use of the G-Cubed model, Structural VAR, and CGE modelling;
- To deepen participants' understanding of scenario analysis tools and policy applications in trade, climate, and regional cooperation; and
- To provide a platform for direct engagement with global experts in applied macroeconomics.

Resource Speakers

The workshop will be conducted by SEACEN faculty and invited experts from academia and policymaking institutions, including Prof. Warwick McKibbin and Prof. Renee Fry-McKibbin.

Target Participants

Central bank staff involved in empirical analysis on monetary policy, macroeconomic surveillance and/or financial stability, with advanced or intermediate working knowledge of quantitative methods and applied macroeconomic modelling are encouraged to join the workshop.

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TENTATIVE WORKSHOP AGENDA	
11 November 2025 (Tuesday)	
08:45 – 09:00	Registration
09:00 – 09:10	Welcome Remarks Dr. Cyn-Young Park, Executive Director, The SEACEN Centre
09:10 – 10:00	**Presentation 1** The Global Economic Impacts of Tariff Wars Prof. Warwick McKibbin will present his latest paper on trade and tariff scenarios using the G-Cubed model (35 min) Discussion and Q&A (15 min)
10:00 – 10:10	Break
10:10 – 11:00	**Empirical Models Session I** G-Cubed Model: Structure and Applications Prof. Warwick McKibbin (30 min) Discussion and Q&A (10 min)
11:00 – 11:10	Break
11:10 – 12:00 12:00 – 12:15 12:15 – 13:00	**Empirical Models Session II** A Three-Sector Structural VAR Model Prof. Renee Fry-McKibbin (35 min) Discussion and Q&A (15 min) Break Structural VAR: Modelling and Interpretation Dr. Meltem Chadwick (30 min) Discussion and Q&A (15 min)
13:00 – 14:00	**Lunch**

14:00 – 14:45	**Presentation 2** The Economics of the Net Zero Transition: Policy Scenarios and the Role of Trade and Cooperation Professor Michael G. Plummer (30 min) Discussion and Q&A (15 min)
14:45 – 15:00 15:00 – 15:45	Break **Empirical Models Session III** CGE Modelling in Practice: Simulating Policy Trade-Offs Dr. Nur Ain Shahrier (30 min) Discussion and Q&A (15 min)
15:45 – 16:00	**Schedule for Individual Consultations and Closing Remarks**
Individual Consultations with Prof. Warwick McKibbin 12 November 2025 (Wednesday)	
09:00 – 09:30	(Slot 1)
09:30 – 10:00	(Slot 2)
10:00 – 10:30	(Slot 3)
10:30 – 11:00	(Slot 4)
11:00 – 11:30	(Slot 5)
11:30 – 12:00	(Slot 6)
14:00 – 14:45	CGE-Based Analysis of Regional Integration: RCEP Simulations and CPTPP Enlargement Professor Michael G. Plummer (30 min) Discussion and Q&A (15 min)
16:00 – 16:45	Panel Discussion on Impact of Geoeconomic Shifts on the Asian Economy and Policy Implications Dr. Cyn-Young Park (chair), Prof. Warwick McKibbin, Prof. Renee Fry-McKibbin, and Prof. Michael G. Plummer
END OF WORKSHOP	