



18th Annual Conference on Global Economic Analysis

*"Information for the Policy Maker:
Practical Economic Modelling for Tomorrow"*

Melbourne, Australia



Melbourne Convention Centre
June 17-19, 2015

Conference Organizers



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General Information

Dates

June 17-19, 2015

Location

Melbourne Convention Centre (MCEC)
Level 1, 1 Convention Centre Place
South Wharf VIC 3006 Australia

Objective

The objective of the annual conference on economic analysis is to promote the exchange of ideas among economists conducting quantitative analysis of global economic issues.

Format

The majority of the conference features specially organized and contributed paper sessions. The organized sessions have been developed by members of the GTAP Network to highlight a specific area of research and/or policy analysis. The contributed paper sessions were selected through a peer review process and subsequently grouped to reflect the varied themes being addressed by members of the GTAP Network.

The conference will also include two plenary sessions, each featuring distinguished intellectual leaders in their respective fields whose presentations are designed to introduce participants to new topics as well as provide fresh insights into familiar ones. The content of these sessions reflects the overall conference themes:

"Information for the Policy Maker: Practical Economic Modelling for Tomorrow"

- International trade and trade policy
- Climate change and adaptation
- Impacts of energy and climate policy
- Labour markets and migration
- Productivity improvement and microeconomic reform
- Food security
- Poverty and social protection
- Regional development within countries

Papers from each session may be accessed through the conference homepage on the GTAP website:

<http://www.gtap.agecon.purdue.edu/events/conferences/2015/> ISSN 2160-2115 (online)

Organizers

Center for Global Trade Analysis, Purdue University

<http://www.gtap.agecon.purdue.edu>



The Global Trade Analysis Project (GTAP) is a global network of researchers and policy makers conducting quantitative analysis of international policy issues within an economy-wide framework. GTAP is coordinated by the Center for Global Trade Analysis which is housed in the Department of Agricultural Economics at Purdue University. The Center for Global Trade Analysis' mission is to provide leadership in economic policy analysis through better data, fostering collaboration, and research. The centerpiece of Global Trade Analysis Project is the GTAP Data Base, a fully documented and publicly available, analytical data base for the global economy which contains detailed country data, linked through bilateral trade, transportation and protection. Accompanying this data base is a set of GTAP-based models used and developed by network members. The GTAP Data Base and analytical framework are used by thousands of researchers around the world. Originally, the majority of the research was related to international trade policy issues. Today, GTAP is still the most widely used tool for trade policy, but its use has expanded into poverty, international migration, foreign investment, climate change, environment, energy, and biofuel policies. GTAP has become a common "language" for many of those conducting analysis of global policy issues with GTAP-based results becoming increasingly influential in decision making around the world in trade, climate change, energy and the environment.

Centre of Policy Studies (CoPS), Victoria University

<http://www.vu.edu.au/centre-of-policy-studies-cops>



**VICTORIA
UNIVERSITY**

MELBOURNE AUSTRALIA

The Centre of Policy Studies (CoPS) specialises in Computable General Equilibrium (CGE) modelling. They undertake academic/contract research and software development, conduct training courses in CGE modelling and offer graduate student supervision. CoPS' suite of Australian models includes several detailed, dynamic CGE

models of Australia, which have been used to analyse many economic policies, including changes in taxes, tariffs, environmental regulations and competition policy. CoPS CGE simulations also underlie detailed forecasts of labour market demand and income distribution. CoPS modelling relies on the GEMPACK software, developed at the unit, and used in over 400 other locations in 60 countries. CoPS runs several training courses in CGE modelling each year. These courses are aimed at those who need background in CGE modelling to work with results from existing CGE models, or who wish to use GEMPACK to build their own models. MMRF, a dynamic CGE model of Australia's states and territories, has been used for a wide range of applications including analyses of greenhouse issues. The latest version of the model has been used in the analysis of the Potential Benefits of the National Reform Agenda. TERM (The Enormous Regional Model), a highly disaggregated model of 57 Australian sub-state regions, is a useful tool for examining the impacts of shocks that affect specific regions, for example drought. CoPS has taken its modelling techniques overseas, completing projects in South Africa, Brazil, Taiwan, Thailand, China and other countries. USAGE, a 500 industry dynamic computable general equilibrium model of the US economy, is being developed in collaboration with the US International Trade Commission. A simpler single-country model called ORANI-G has been created as a pattern on which to base models of other countries.

Sponsors

Premier Sponsor

Commonwealth Scientific and Industrial Research Organisation

<http://www.csiro.au>



CSIRO, the Commonwealth Scientific and Industrial Research Organisation, is Australia's national science agency and one of the largest and most diverse research agencies in the world.

Principal Sponsor

ACIL Allen Consulting

<http://www.acilallen.com.au/>



ACIL Allen Consulting is the largest Australian owned, independent, economic, public policy, and public affairs management consulting firm in Australia. We advise companies, institutions and governments on economics, policy and corporate public affairs management. We provide senior advisory services that

bring unparalleled strategic thinking and real world experience to bear on problem solving and strategy formulation.

Conference Sponsors

BAEconomics

<http://www.baeconomics.com.au/>



BAEconomics is a leading economic consulting firm providing advice to a wide range of clients in the corporate and government sectors. We provide specialist advice in the areas of commodity analysis & forecasting, applied economics including economic modeling, competition policy, infrastructure and climate policy, and business strategy. Our team has extensive experience across the energy, minerals, infrastructure, agriculture and natural resources sectors.

Australian Government, Commonwealth Treasury

<http://www.treasury.gov.au/>



Australian Government
The Treasury

The Commonwealth Treasury began operations in Melbourne in January 1901, the smallest of the seven Commonwealth departments established with Federation. The original five members of the department were bookkeepers. Over time, the department was required to establish policy in areas such as public service pay and conditions, bank notes, the taxation system including land and income tax, pensions and other welfare payments, postage stamps and the collection of statistics. Today, as a central policy agency, the Treasury is expected to anticipate and analyse policy issues with a whole-of-economy perspective, understand government and stakeholder circumstances, and respond rapidly to changing events and directions. The Treasury is engaged in a range of issues from macroeconomic policy settings to microeconomic reform, climate change to social policy, as well as tax policy and international agreements and forums. The Treasury also has a program delivery role in supporting markets and business, and providing Commonwealth payments to the State and Territory governments.

Special Recognition

Co-Chairs

- **Thomas Hertel**, Distinguished Professor, Executive Director, Center for Global Trade Analysis, Purdue University
- **Philip Adams**, Research Professor, Centre of Policy Studies, Victoria University

Program Committee Members

Antoine Bouët	John Madden
Rob Brooker	Maryla Maliszewska
Joaquim Bento Ferreira-Filho	Maureen Rimmer
Sébastien Jean	Dominique van der Mensbrugghe
Michael Jerie	Frank van Tongeren
Patrick Jomini	Terrie Walmsley
Stephen Karingi	Glyn Wittwer
Kenichi Kawasaki	

*The conference co-chairs
and program committee
welcome you to Melbourne
and wish you an enjoyable
and productive conference!*

Abstract Reviewers

Mustafa Acar	Janine Dixon	Shantong Li	Khalid Siddig
Philip Adams	Peter Dixon	Hsing-Chun Lin	Chandrima Sikdar
Angel Aguiar	Edson Domingues	Huizheng Liu	Mahinda Siriwardana
S. Amer Ahmed	Fabio Eboli	Sheng Lu	Jevgenijs Steinbuks
Shahid Ahmed	Aziz Elbehri	Aline Magalhaes	Anna Strutt
Zeynep Akgul	Rebecca Ewing	Helene Maisonnave	Wojtek Szewczyk
Channing Arndt	Mingtai Fan	Judith McNeill	Farzad Taheripour
Misak Avetisyan	Joaquim Bento Ferreira-Filho	Xue Meng	Natalia Tourdyeva
Levent Aydin	Marco Fugazza	Simon Mevel	Marinos Tsigas
Uris Lantz Baldos	Ayele Gelan	Tasneem Mirza	Wally Tyner
Lacina Balma	Angelo Gurgel	Fulgence Mishili	Kirsten Urban
Onil Banerjee	Mythili Gurusurthy	Kakali Mukhopadhyay	Rahmet Uslu
Martin Banse	Iman Haqiqi	Brian Mureverwi	Yasin Uzun
Güzin Bayar	Thomas Hertel	Badri Narayanan	Giovanni Valensisi
Pralabh Bhargava	Yiseok Hong	Gladys Navarro	Hugo Valin
Dileep Birur	Mark Horridge	Signe Nelgen	Dominique van der Mensbrugghe
Adam Blake	Shih-Hsun Hsu	Masahiro Omura	David Vanzetti
Maria Blanco	Zekarias Hussein	Silvia Palma Rojas	Beatriz E. Velazquez
Bineswaree Bolaky	Elena Ianchovichina	Hom Pant	Nelson Villoria
Francesco Bosello	Ken Itakura	Ramiro Parrado	Terrie Walmsley
Antoine Bouët	Sébastien Jean	Xiujian Peng	Robert Waschik
Pierre H Boulanger	Hans Grinsted Jensen	Jeffrey C. Peters	Niven Winchester
Ole Boysen	Mercyline Kamande	Everett Peterson	Tony Wiskich
Mary Burfisher	Stephen Karingi	Nguetse Tegoum Pierre Joubert	Glyn Wittwer
Yiyong Cai	Aikaterini Kavallari	Manitra A. Rakotoarisoa	Sara Wong
Hawley Campbell	Kenichi Kawasaki	Sebastian Rausch	Yingying Xu
Caitlyn Carrico	Claudia Kemfert	Roberto Roson	Liu Yu
Rajesh Chadha	Zornitsa Kutlina-Dimitrova	Mustapha Sadni Jallab	Wusheng Yu
Jean Chateau	Csilla Lakatos	Amadou Sagnon	Katarzyna Zawalinska
Ching-Cheng Chang	Huey-Lin Lee	Luca Salvatici	
John Cockburn	Tsung-Chen Lee	Naiquan Sang	
Lisandra Colley	Amanda M. Leister	Durdane Sirin Saracoglu	
Jingbo Cui	Arjan Lejour	Enkhbayar Shagdar	
Rosana Curzel		Erin Sherry	
Yvan Decreux			

Ken Pearson Scholarship



Ken Pearson's early career was as an outstanding mathematician. In the 1970s he became Reader and Chairman in Mathematics at La Trobe University, Australia. In his teaching role, he investigated the possibility of drawing on economics rather than physics for relevant examples. In this process he came across the newly emerging field of applied (or computable) general equilibrium (CGE) modelling.

Long before the economists, Ken recognized the need for software that would not only solve large scale economic models but would also be a vehicle: for organizing data; for analyzing results; for transferring models between researchers; and for storing models in a computationally accessible form which would allow them to be accessed at other times and by other researchers. By the mid-1980s he had responded to this need by taking up a visiting position at the Impact Research Centre

(Melbourne University) and creating GEMPACK.

In 1992, Ken moved to the Centre of Policy Studies (CoPS, then located at Monash University). At CoPS, he was appointed Professorial Fellow in 1999, and held the position of Deputy Director from 2000 to 2004. He retired in 2014, with the position of Director, GEMPACK passing to Mark Horridge.

Ken has been a worthy recipient of many awards for the development of GEMPACK and the teaching of its use. These include:

- GTAP Hall of Fame, June 2007. [Awarded by the Center for Global Trade Analysis, Purdue University. Citation was "For the development of GTAP software, and for teaching GTAP short courses."];
- Fellow, Academy of the Social Sciences in Australia, October 2006. [Nomination citation said: "Ken Pearson is one of only a handful of Australian academics who have made a significant difference to world economics."]; and
- GTAP Research Fellow, 1996-present. [This was awarded by the Center for Global Trade Analysis, Purdue University. Citation was "Development of GTAP software; Teaching of GTAP short courses"].

Currently around 650 modelling institutions, including GTAP, the World Bank, the IMF, the WTO and many universities use this software for quantitative economic analysis. It is clear that GEMPACK has, and continues to, greatly advanced CGE modelling as a standard technique for analyzing policy problems in taxation, trade, the environment and microeconomic regulation.

In a recent summary of Ken's contribution to the GTAP project, Tom Hertel wrote "Those of us who had the privilege of working closely with Ken count our collaborations with him as among the most stimulating and rewarding of our careers. Ken's keen intellect and his background in theoretical mathematics allowed him to quickly grasp the essence of whatever modeling challenge we posed."

Scholarship

In recognition of the many contributions made by Professor Ken Pearson to the GTAP Network, the Centre of Policy Studies, Victoria University has graciously offered a scholarship in his name aimed to support the participation of promising young researchers at the GTAP Conference and encourage their contribution to the use and further development of analytical software for CGE modelling, following in his tradition.

Recipients were selected based on the following criteria.

- an early career researcher within five years of the start of their research career
- active in undertaking applied model-based analyses of real world problems using GEMPACK and/or related software
- paper accepted into the GTAP Conference

Ken Pearson Scholarship Recipients

The Centre of Policy Studies and the Center for Global Trade Analysis are pleased to announce the inaugural recipients of the Ken Pearson Scholarship.



Heinrich Bohlmann

CGE Researcher and Senior Lecturer
Department of Economics, University of Pretoria

“The Impact of the 2014 Platinum Mining Strike in South Africa: An Economy-Wide Analysis”

(Session #19, pg. 25)

Dr. Heinrich Bohlmann holds a PhD in Economics from the Centre of Policy Studies in Melbourne, Australia. He is currently employed as a Senior Lecturer in the Department of Economics at the University of Pretoria in South Africa where he specialises in economic policy research using dynamic computable general equilibrium (CGE) modelling methods. Dr. Bohlmann has also been contracted as an economic modelling consultant on various projects via the University’s Research Office and Business Enterprises at University of Pretoria (BE@UP). Dr. Bohlmann teaches and coordinates undergraduate macro and microeconomics and postgraduate CGE modelling courses in the Department of Economics and professional short courses in CGE modelling via Continuing Education at University of Pretoria (CE@UP). He has presented research papers at various local and international conferences. He also supervises postgraduate student research essays and serves as referee to various academic journals.



Giacomo Schwarz

PhD Student
ETH Zurich and the MIT Joint Program on the Science and Policy of Global Change

“Household heterogeneity, aggregation, and the distributional impacts of environmental taxes”

(Session #40, pg. 38)

After studying Physics at ETH Zurich and the University of Cambridge, Giacomo Schwarz embarked on a Ph.D. in Economics at ETH. He is currently a visiting Ph.D. student at the MIT Joint Program on the Science and Policy of Global Change, where he is part of the Tsinghua-MIT China Energy & Climate Project. His research focuses on the economic assessment of climate change policy, with a particular emphasis on gaining a detailed understanding of the distribution of economic costs associated with pollution reduction policies, both across different socio-economic categories as well as across nations. Such an understanding is fundamental in informing political debates concerning the implementation of more stringent climate regulations.

Transportation and Directions

Melbourne Transportation

The SkyBus can take passengers from the Melbourne airport to most hotels, via the Southern Cross Station. Taxis are also available and cost around \$60 AUD from the airport to the city. Once in Melbourne, the city's trains, trams and buses, managed by Public Transport Victoria (PTV), are an easy way to travel around the city. All you need is a myki card, which can be purchased from the Melbourne Visitor Centre at Federation Square, SkyBus terminals at Melbourne Airport and Southern Cross Station and from the PTV Hubs. In 2015, PTV began offering a Free Tram Zone in the Melbourne CBD and cheaper fares when travelling across Zone 1 and 2, making travel around Melbourne easier and more affordable. Travel on trams within this zone is free and does not require a myki; however, journeys starting or finishing outside the boundaries of the Free Tram Zone, do require mykis to be touched at the reader to ensure that a valid ticket has been purchased. Free Tram Zone signs at tram stops identify the boundaries of the zone. For further information on Melbourne's public transit system, please visit: <http://ptv.vic.gov.au/>.



SkyBus

The SkyBus (<http://www.skybus.com.au/hotel-transfer-service/>) service takes you express between the Melbourne Airport (Tullamarine) and Southern Cross Station in the heart of Melbourne's CBD – 24/7, day departures every 10 minutes. Single one-way fares cost approximately \$18 AUD or \$30 AUD with return.

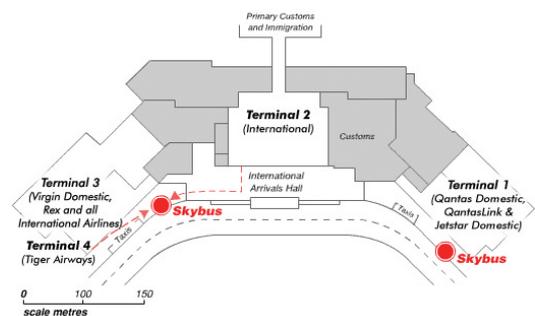
Arriving in Melbourne - Board the SkyBus express from Melbourne Airport (Tullamarine) to Southern Cross Station. Check in at the Hotel Transfer Service booth and a SkyBus mini-bus will drop you at your hotel. Participating drop-off locations are available at: <http://www.skybus.com.au/hotel-transfer-service/participating-hotels-motels>.

Departing Melbourne - Call SkyBus at +(61 3) 9600 1711 to reserve a pick-up time for the SkyBus Hotel Transfer Service. It is advisable to book your pick up as early as possible. Bookings can be made up to one hour prior to departure (subject to availability).

Melbourne Airport (Tullamarine)

SkyBus operates from two locations at the airport outside of arrivals.

- **Terminal T1** – Qantas domestic, QantasLink and Jetstar domestic travellers.
- **Terminal T3** – Virgin Blue domestic, Tiger Airways, Regional Express, and all travellers on international flights.
- Arriving at **Terminal T2** – catch SkyBus curbside at T1 or T3, only a few steps away.
- Arriving at **Terminal T4** – Board SkyBus curbside at T3, a short walk away.



Melbourne city/Southern Cross Station

The SkyBus city terminal is located undercover at Southern Cross Station, near the corner of Bourke and Spencer Streets. This is also the pick-up/drop-off location for the complimentary SkyBus Hotel Transfer Service.



Transportation and Directions

Travelling to the Melbourne Convention Centre

The Melbourne Convention and Exhibition Centre (MCEC) is located on the banks of the iconic Yarra River in South Wharf, is a short walk from Melbourne's central business district and a 20-minute drive from the Melbourne Airport. Details for travelling to the convention centre follow. **Note that journeys starting or ending outside of the Free Tram Zone, including those mentioned below, will require a myki.** See page 7 for further details.

By Tram - Catch any of the following trams and get off at the stop opposite the Clarendon Street entrance of MCEC. Alternatively, catch tram number 48 or 70, get off at the Flinders Street stop and take a short walk towards the Yarra River, crossing the Seafarers Bridge.

- Route 96: St Kilda to East Brunswick
- Route 109: Port Melbourne to Box Hill
- Route 12: Victoria Gardens to St Kilda

By Train - Take any train to Southern Cross Station and catch tram number 96, 109 or 12 as above.

By Bus - The SkyBus transports visitors directly from Melbourne Airport to Southern Cross train station. Bus route 237 operates from Queen Victoria Market, via Southern Cross Station to Lorimer Street South Wharf from Monday to Friday. Lorimer Street is approximately a five minute walk to MCEC. There is also a coach pick up/drop off point at Bay 1, Convention Centre Place (closest to DFO South Wharf).

By Taxi - Request the taxi drop you at Convention Centre Place, next to the Hilton Melbourne South Wharf and DFO South Wharf.

By Personal Car - If driving yourself, there are five car parks available for use. Rates and availability may vary.

- Melbourne Exhibition Centre Parking: Entrance and exit off Normanby Road. Open 24 hours, seven days a week.
- Siddeley Street Parking: Open 24 hours, seven days a week.
- Freeway Parking: Located at Munro Street under the Westgate Bridge. Car park accessible via Normanby Road and Munro Street.
- South Wharf Parking: Entrance off Normanby Road. Open 24 hours, seven days a week.
- Montague Street Parking: Access this car park via Munro Street followed by Montague Street.



Transportation and Directions

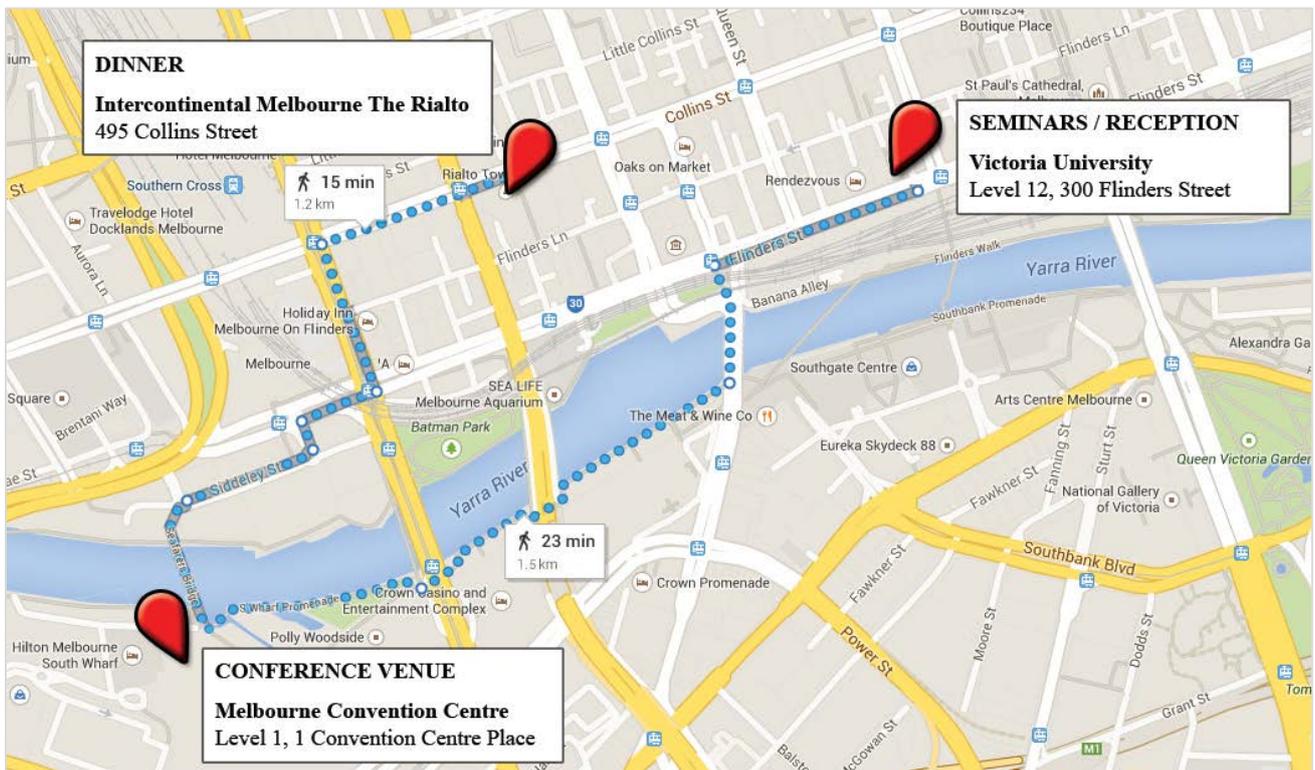
Walking Directions

MCEC to Victoria University (Pre-Conference Seminars/Reception)

1. Exit the convention centre heading east along the Yarra River via the South Wharf and Yarra Promenades
2. Turn left onto the Queensbridge Street
3. Turn right onto Flinders Street/State Route 30
4. Victoria University on your left (Level 12, 300 Flinders St)

MCEC to Intercontinental Melbourne The Rialto (Dinner)

1. Exit the convention centre crossing the Yarra River via the Seafarers Bridge
2. At the roundabout, take the second exit onto Siddeley Street
3. At the roundabout, take the second exit north to Flinders Street
4. Turn right on Flinders Street/State Route 30
5. Turn left on Spencer Street/State Route 50
6. Turn right on Collins Street passing through King Street
7. Intercontinental Melbourne The Rialto on your right (495 Collins Street)

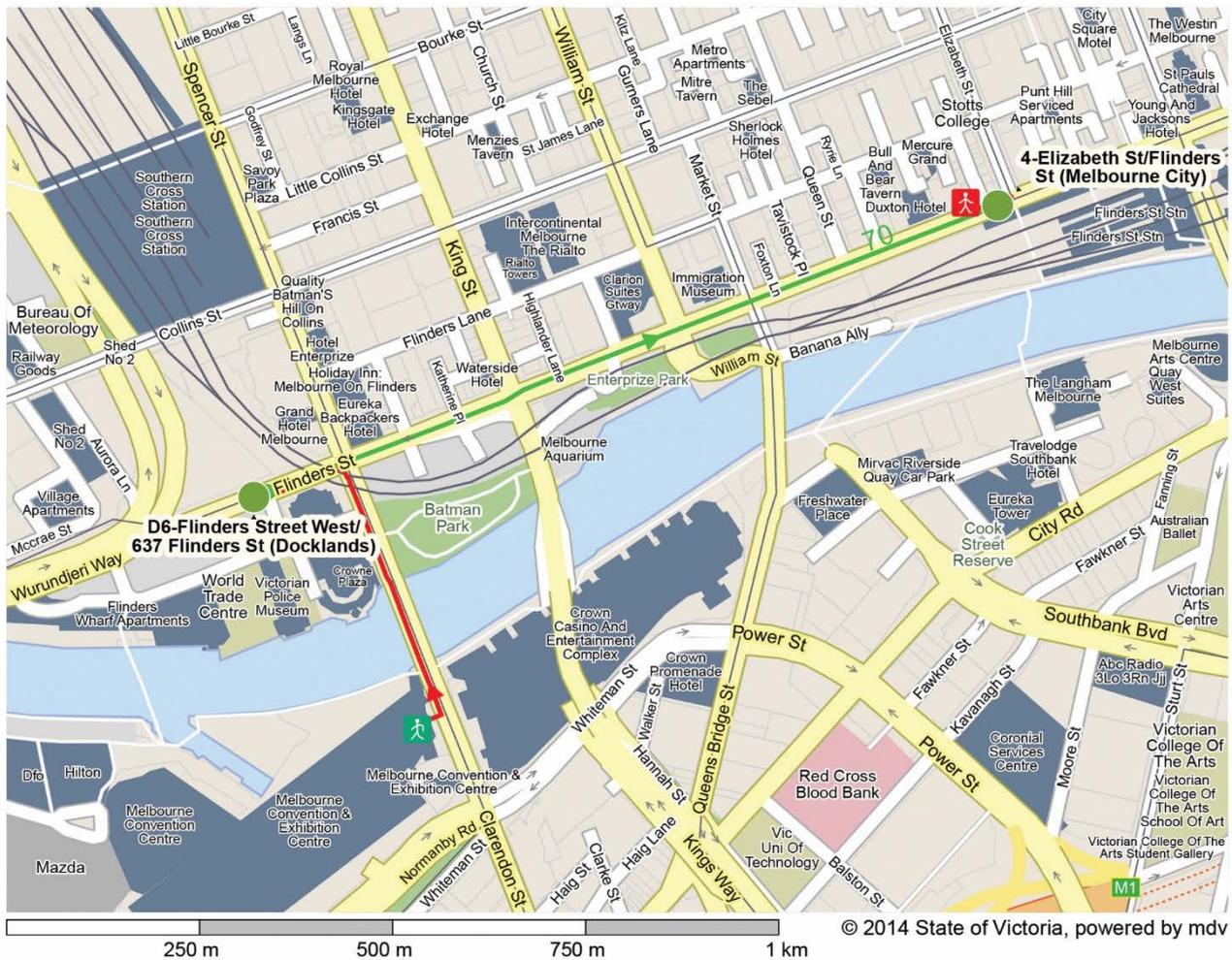


Transportation and Directions

Tram Directions

MCEC to Victoria University (Pre-Conference Seminars/Reception)

1. Exit the convention centre and cross the Yarra River via Clarendon Street
2. Continue along Spencer Street after crossing the river and turn left at Flinders Street to the D6-Flinders Street West/637 Flinders Street (Docklands) stop
3. Take Metro Tram 70 to 4-Elizabeth Street/Flinders Street (Wattle Park via Swan Street)
4. Victoria University just west of Elizabeth Street (Level 12, 300 Flinders St)



1.1	🚶 Footpath	Melbourne Convention and Exhibition Centre, (South Wharf)	D6-Flinders Street West/637 Flinders St (Docklands)	
2.1	● Metro Tram 70	D6-Flinders Street West/637 Flinders St (Docklands)	4-Elizabeth St/Flinders St (Melbourne City)	Wattle Park via Swan Street
3.1	🚶 Footpath	4-Elizabeth St/Flinders St (Melbourne City)	Victoria University City Flinders Campus, (Melbourne City)	

Transportation and Directions

Tram Directions

MCEC to Intercontinental Melbourne The Rialto (Dinner)

1. Exit the convention centre to Clarendon Street heading north towards the river to the 124A-Casino/MCEC/Clarendon Street (Southbank) stop (boarding outside the Free Tram Zone, myki required, see page 7 for further details.)
2. Take Metro Tram 109 to 2-King Street/Collins Street (Box Hill via City)
3. Intercontinental Melbourne The Rialto straight ahead on Collins Street on your right (495 Collins Street)



- Metro Tram ● Metro Tram 🚶 Departure with walk 🚶 Arrival with footpath
- Footpath

1.1	🚶 Footpath	Melbourne Convention and Exhibition Centre, (South Wharf)	124A-Casino/MCEC/Clarendon St (Southbank)	
3.1	● Metro Tram 109	124A-Casino/MCEC/Clarendon St (Southbank)	2-King St/Collins St (Melbourne City)	Box Hill via City
4.1	🚶 Footpath	2-King St/Collins St (Melbourne City)	InterContinental Melbourne the Rialto, (Melbourne City)	

Melbourne Convention Centre

Location

Melbourne Convention Centre (MCEC)
Level 1, 1 Convention Centre Place
South Wharf VIC 3006 Australia

For directions to the MCEC, please see page 8.

Floor Plan (Level 1)



Session Rooms

- 101, 102, 103, 104, 105, 107, 108

Registration, Breaks and Lunches

- Level 1 Foyer 1

Wi-Fi

MCEC provides free Wi-Fi for all visitors with a service that can handle up to 15,000 simultaneous users.

Pre-Conference Schedule: Tuesday, June 16

Time	Event	Location
4:00-6:00pm (16:00-18:00)	Pre-Conference Seminars	Victoria University

For those who registered to attend the pre-conference seminars, make note of the following schedule.

Victoria University, Level 12, 300 Flinders Street
See pages 9-10 for transportation and directions.

4:00–5:00pm **GEOSHARE** (*Geospatial Data Hosting for Discovery and Decision Making*)
(16:00-17:00) <https://mygeohub.org/groups/geoshare>

GEOSHARE's mission is to develop and maintain a freely available, global, spatially explicit database on agriculture, land use, and the environment accompanied by analysis tools and training programs for new scientists, decision makers, and development practitioners. Join Thomas Hertel to learn more on this database and initiative.

5:00-6:00pm **GTAP 9 Data Base**
(17:00-18:00) <http://www.gtap.agecon.purdue.edu/databases/v9/>

The centerpiece of the Global Trade Analysis Project is the GTAP Data Base, a fully documented, publicly available global data base which contains complete bilateral trade information, transport and protection linkages. The latest version, GTAP 9, was released in May 2015. Join the GTAP data team, Badri Narayanan, Robert McDougall and Angel Aguiar, to learn more on this release.

Daily Overview: Wednesday, June 17

Full session details for this day are listed on pages 16-22.

	Room 101	Room 102	Room 103	Room 104	Room 105	Room 107
8:00am-5:00pm (8:00-17:00)	Registration (Level 1 Foyer 1)					
9:00-9:30am					Opening Ceremony <i>Pg. 16</i>	
9:30-11:00am					Plenary Session <i>New Developments in Modelling</i> <i>Pg. 16</i>	
11:00-11:30am	Coffee Break (Level 1 Foyer 1)					
11:30am-1:00pm (11:30-13:00)	Session #1 <i>Migration</i> <i>Pg. 16</i>	Session #2 <i>Bioenergy and Land Use</i> <i>Pg. 17</i>	Session #3 <i>Policy Analysis: East Asia</i> <i>Pg. 17</i>	Session #4 <i>Calibration and Parameter Estimation</i> <i>Pg. 17</i>	Session #5 <i>Dynamic CGE Modeling</i> <i>Pg. 18</i>	Session #6 <i>Climate Change Policies and Scenarios</i> <i>Pg. 18</i>
1:00-2:30pm (13:00-14:30)	Lunch (Level 1 Foyer 1)					
2:30-4:00pm (14:30-16:00)	Session #7 <i>Land Use</i> <i>Pg. 18</i>	Session #8 <i>Non-Tariff Barriers</i> <i>Pg. 19</i>	Session #9 <i>Nutrition and Food Security in Asia</i> <i>Pg. 19</i>	Session #10 <i>Brazilian Deforestation</i> <i>Pg. 19</i>	Session #11 <i>Agricultural Policies: Europe</i> <i>Pg. 20</i>	
4:00-4:30pm (16:00-16:30)	Coffee Break (Level 1 Foyer 1)					
4:30-6:00pm (16:30-18:00)	Session #12 <i>CGE Modeling</i> <i>Pg. 20</i>	Session #13 <i>Non-Tariff Barriers and Preferential Trading Arrangements: Africa</i> <i>Pg. 20</i>	Session #14 <i>Agricultural Policies: New Zealand and Southeast Asia</i> <i>Pg. 21</i>	Session #15 <i>Food Prices and Demand</i> <i>Pg. 21</i>	Session #16 <i>Bioenergy</i> <i>Pg. 21</i>	
6:30-8:30pm (18:30-20:30)	Reception (Victoria University, Level 12, 300 Flinders Street, Melbourne VIC 3000) <i>See pages 9-10 for transportation and directions.</i>					

*Organized Session

Plenary Session: “New Developments in Modelling”

Wednesday, June 17 – 9:30-11:00am

“Modern Trade Theory for CGE Modellers”



Peter B. Dixon

Professor

Centre of Policy Studies, Victoria University

<http://www.vu.edu.au/contact-us/peter-b-dixon>

After working at the IMF and the Reserve Bank of Australia, Dixon joined the Australian government's IMPACT Project in 1975. At IMPACT he led the team that created the ORANI model. This was the world's first detailed (100+ industries) computable general equilibrium model regularly used in policy analysis. In the 1990s with colleagues at Monash University he created the MONASH model, the dynamic successor to ORANI. These two models have been prominent in the Australian economic debate for 35 years and have been used as templates for other models throughout the world. In recent years Dixon developed the USAGE model of the U.S. which is used by the U.S. International Trade Commission and the Departments of Agriculture, Commerce, Energy, Transportation and Homeland Security. Dixon was elected a Fellow of the Academy of Social Sciences in 1982. In 2003, he was awarded the Distinguished Fellowship of the Economic Society of Australia and in 2006 he was appointed Sir John Monash Distinguished Professor at Monash. In 2013, Elsevier published its two-volume Handbook of Computable General Equilibrium Modeling edited by Dixon and Dale Jorgenson. In 2014 Dixon took up his present position as Professor in the Centre of Policy Studies at Victoria University.

“Heterogeneous Firms, Heterogeneous Models”



Peter Neary

Professor of Economics

Department of Economics, University of Oxford

<http://www.economics.ox.ac.uk/Academic/j-peter-neary>

Peter Neary is Professor of Economics at Oxford University and a Professorial Fellow of Merton College. He has also held full-time positions at Trinity College Dublin and at University College Dublin where he was Professor of Political Economy from 1980 to 2006. He is currently on full-time research leave, funded by an Advanced Grant from the European Research Council. Born in 1950 in Drogheda, Ireland, Peter Neary was educated at University College Dublin and Oxford, where he completed his D.Phil. in 1978. He has been a post-doctoral Visiting Scholar at MIT and a Visiting Professor at Princeton, Berkeley, Queen's University (Kingston, Ontario), the University of Ulster at Jordanstown, and the Ecole Polytechnique, Paris. He was an editor of the European Economic Review from 1986 to 1990 and has served on a number of other editorial boards. He was President of the European Economic Association in 2002, and played a leading role in establishing the Journal of the European Economic Association. He has lectured widely, including the 2002 Ohlin Lectures at the Stockholm School of Economics and the 2008-2009 Graham Lecture at Princeton. Measuring the Restrictiveness of International Trade Policy by Jim Anderson and Peter Neary was published by MIT Press in 2005. Peter Neary has also edited three other books and published over a hundred professional papers. His main research field is international trade theory, where he has worked on short- to long-run adjustment, the economics of resource-rich economies (especially the "Dutch Disease"), trade and industrial policy, and the implications of imperfect competition (especially oligopoly) for trade and globalisation, among other topics. He has also written on consumer theory (including rationing and index numbers), industrial organisation (including the economics of research and development), and macroeconomics (including international macro theory and Irish economic policy).

Presentation Schedule: Wednesday, June 17

Presenters (bold) should arrive 10 minutes prior to the start of their session with their presentation on a USB drive in both PowerPoint and PDF formats.

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Time	Event	Location
8:00am-5:00pm (8:00-17:00)	Onsite Registration	Level 1 Foyer 1
9:00-9:30am	Opening Ceremony	105
	<ul style="list-style-type: none"> – Philip Adams, Centre of Policy Studies, Victoria University – Thomas Hertel, Center for Global Trade Analysis, Purdue University 	
9:30-11:00am	Plenary Session	105
	<p><i>“New Developments in Modelling”</i> Chair: Max Corden</p> <ul style="list-style-type: none"> – Modern Trade Theory for CGE Modellers by Dixon, Peter – Heterogeneous Firms, Heterogeneous Models by Neary, Peter 	
11:00-11:30am	Coffee Break	Level 1 Foyer 1
11:30am-1:00pm (11:30-13:00)	Session #1	101
	<p><i>“Migration”</i> Chair: James Giesecke</p> <ul style="list-style-type: none"> – <u>Can International Migration Accelerate Development? A Global Dynamic General Equilibrium Analysis</u> (#4769) by Ahmed, S. Amer, Delfin Go and Dirk Willenbockel – <u>Regionally targeted migration policy as an instrument for regional development: a general equilibrium assessment</u> (#4740) by Tran, Nhi, Louise Roos, James Giesecke and John Madden – <u>The contribution of rural migration to Chinas economic growth - a dynamic general equilibrium analysis</u> (#4759) by Peng, Xiujian 	

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Time	Event	Location
11:30am-1:00pm (11:30-13:00)	Session #2	102
	<i>"Bioenergy and Land Use"</i> Chair: John Beghin	
	<ul style="list-style-type: none"> – <u>The Expected Impacts of Jatropha Curcas Plantations Using Wastewater and Biodiesel Production on the Egyptian Economy: A CGE Modeling Approach</u> (#4625) by Mahmoud Soliman, Waleed, Mark Horridge, Philip Adams and He Xiurong – <u>Economic and Environmental Assessment of Expanded Bioenergy Production in China</u> (#4796) by Cai, Yongxia, Robert Beach and Dileep Birur – <u>Introducing detailed land-based mitigation measures into a computable general equilibrium model</u> (#4783) by Hasegawa, Tomoko, Shinichiro Fujimori, Toshihiko Masui and Yuzuru Matsuoka 	
11:30am-1:00pm (11:30-13:00)	Session #3	103
	<i>"Policy Analysis: East Asia"</i> Chair: George Verikios	
	<ul style="list-style-type: none"> – <u>Unveiling the True Value of Cross-Strait Trade: The Global Value Chain Approach</u> (#4626) by Liou, Ruey-Wan, Hsing-Chun Lin, Ching-Cheng Chang and Shih-Hsun Hsu – <u>China's Structural Reform and Trade Impact: An Application of DPN GEM</u> (#4791) by Pei, Jiansuo, Cuihong Yang and Shunli Yao – <u>Double edged growth: A CGE analysis of structural changes in Mongolian economy</u> (#4811) by Lkhanaajav, Esmedekh 	
11:30am-1:00pm (11:30-13:00)	Session #4	104
	<i>"Calibration and Parameter Estimation"</i> Chair: Jifeng Li	
	<ul style="list-style-type: none"> – <u>An introduction to entropy estimation of parameters in economic models</u> (#4638) by Harslett, Philip and Larry Cook – <u>Economic Projection with Non-homothetic Preferences: The Performance and Application of a CDE Demand System</u> (#4746) by Chen, Y.-H. Henry 	

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Time	Event	Location
11:30am-1:00pm (11:30-13:00)	Session #5	105
	<p><i>"Dynamic CGE Modeling"</i> Chair: Terrie Walmsley</p> <ul style="list-style-type: none"> - <u>Analyzing country strategies for structural transformation: Method and application to Uganda, Morocco and Guatemala</u> (#4774) by Cicowiez, Martin and Hans Lofgren - <u>A Dynamic Global CGE Model with a GVAR-based Baseline</u> (#4729) by Cretegny, Laurent - <u>A generic approach to investment allocation in recursively dynamic CGE models</u> (#4635) by Pant, Hom 	
11:30am-1:00pm (11:30-13:00)	Session #6	107
	<p><i>"Climate Change Policies and Scenarios"</i> Chair: David Newth</p> <ul style="list-style-type: none"> - <u>China's CO2 Emission Peaking and Leakage -- A Decomposition for Direct and Indirect Carbon Leakage</u> (#4602) by Tang, Weiqi, Libo Wu, H Qian and Yu Chang - <u>The economic impacts of climate policies under the shared socioeconomic pathways</u> (#4751) by Homma, Takashi - <u>Shared Socio-economic pathways and global income distribution</u> (#4790) by van der Mensbrugge, Dominique 	
1:00-2:30pm (13:00-14:30)	Lunch	Level 1 Foyer 1
2:30-4:00pm (14:30-16:00)	Session #7	101
	<p><i>"Land Use"</i> Chair: Yiyong Cai</p> <ul style="list-style-type: none"> - <u>Modelling the competition for land between traditional agriculture and biofuel production</u> (#4637) by Porfirio, Luciana, Yiyong Cai and David Newth - <u>The Impact of the change of China's Land use regulation</u> (#4808) by Li, Shantong and Jianwu He - <u>Land use representation in a global CGE model for long-term simulation: CET vs. logit functions</u> (#4677) by Fujimori, Shinichiro, Tomoko Hasegawa, Toshihiko Masui and Kiyoshi Takahashi 	

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Time	Event	Location
2:30-4:00pm (14:30-16:00)	Session #8 <i>“Non-Tariff Barriers”</i> Chair: Kenichi Kawasaki	102
	<ul style="list-style-type: none"> – <u>The Implications for Trade and FDI Flows from Liberalisation of China’s Capital Account</u> (#4650) by Verikios, George – <u>Simulation Analysis of EU RoHS/ELV Directives Based on an Applied General Equilibrium Model with the Melitz-type Trade Specification</u> (#4745) by Oyamada, Kazuhiko, Kaoru Nabeshima and Etsuyo Michida – <u>Estimating the Macroeconomic Impacts of U.S. Anti-Dumping Enforcement</u> (#4797) by Rose, Adam, Zhenhua Chen, Dan Wei and Fynn Prager 	
2:30-4:00pm (14:30-16:00)	Session #9 <i>“Nutrition and Food Security in Asia”</i> Chair: David Vanzetti	103
	<ul style="list-style-type: none"> – <u>Why public acceptance matters in GMO food markets?</u> (#4781) by Yang, Anton – <u>Impact of India’s Food Security Policy across Household Types</u> (#4799) by Birur, Dileep, Angel Aguiar and Badri Narayanan – <u>Dietary transition, nutritional and health outcomes, and changing agrifood production and trade patterns: the case of China</u> (#4770) by Yu, Wusheng, Hans Grinsted Jensen and Lijuan Cao 	
2:30-4:00pm (14:30-16:00)	Session #10 <i>“Brazilian Deforestation”</i> Chair: Edson Domingues	104
	<ul style="list-style-type: none"> – <u>Halting Deforestation in the Brazilian Amazon Region: Economic Impacts and Greenhouse Gas Emissions</u> (#4612) by Silva, Jonathan, Joaquim Bento Ferreira-Filho and Mark Horridge – <u>Economic Impacts and Land Use Change from A Policy to Control Deforestation in the Brazilian Amazon</u> (#4699) by Sabadini Carvalho, Terciane and Edson Domingues – <u>The New Forest Code and Greenhouse Gas Emissions Reductions in Brazil</u> (#4644) by Ferreira-Filho, Joaquim Bento, Mark Horridge and Tiago Barbosa Diniz 	

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Time	Event	Location
2:30-4:00pm (14:30-16:00)	Session #11	105
	<p><i>“Agricultural Policies: Europe”</i> Chair: Erly Teixeira</p> <ul style="list-style-type: none"> – <u>Evaluating the Effect of Domestic Support on International Trade: A Mercantilist Trade Restrictiveness Approach</u> (#4693) by Urban, Kirsten, Martina Brockmeier and Hans Grinsted Jensen – <u>An EU-Philippines FTA. A win-win occasion to foster economic growth?</u> (#4801) by Antimiani, Alessandro and Beatriz E. Velazquez 	
4:00-4:30pm (16:00-16:30)	Coffee Break	Level 1 Foyer 1
4:30-6:00pm (16:30-18:00)	Session #12	101
	<p><i>“CGE Modeling”</i> Chair: Ken Itakura</p> <ul style="list-style-type: none"> – <u>A Computable General Equilibrium Model of International Sanctions</u> (#4683) by Gharibnavaz, Mohammad Reza and Robert Waschik – <u>Incorporating household survey data into a CGE model</u> (#4678) by Zhang, Xiao-Guang – <u>An Integrated GTAP and Philippine CGE model with ‘real’ households</u> (#4788) by Corong, Erwin 	
4:30-6:00pm (16:30-18:00)	Session #13	102
	<p><i>“Non-Tariff Barriers and Preferential Trading Arrangements: Africa”</i> Chair: Anders Aeroe</p> <ul style="list-style-type: none"> – <u>Mega Deals: What Consequences for sub-Saharan Africa?</u> (#4686) by Guimbard, Houssein and Maëlan Le Goff – <u>Sand in the Wheels: Non-Tariff Measures and Regional Integration In SADC</u> (#4630) by Peters, Ralf, David Vanzetti and Christian Knebel 	

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Time	Event	Location
4:30-6:00pm (16:30-18:00)	Session #14	103
	<p><i>"Agricultural Policies: Southeast Asia and New Zealand"</i> Chair: Anna Strutt</p> <ul style="list-style-type: none"> – <u>Assessing the Economic Impacts of Phytophthora Disease Control Strategies on the Profitability of Jackfruit Production in Region VIII, Southern Philippines</u> (#4670) by Preciados, Lemuel – <u>Towards the Modelling of Reductions in New Zealand's Sanitary and Phytosanitary Measures</u> (#4651) by Webb, Mike, Anna Strutt and Allan Rae – <u>Economic effects of irrigation water pricing in New Zealand: An analysis using the GTAP model</u> (#4792) by Kravchenko, Alex and Anna Strutt 	
4:30-6:00pm (16:30-18:00)	Session #15	104
	<p><i>"Food Prices and Demand"</i> Chair: Elena Ianchovichina</p> <ul style="list-style-type: none"> – <u>A Balanced Global Food Demand and Supply in 2050: How can we meet the challenge?</u> (#4772) by Brockmeier, Martina, Søren Frandsen, Ryan Gorman, Hans Grinsted Jensen, Vladimir Korovin and Kirsten Urban – <u>Plausible ranges of global food demand in the long run</u> (#4627) by Kavallari, Aikaterini, Susanne Rolinski, Benjamin Bodirsky and Hermann Lotze-Campen – <u>Short and long run impacts of higher food prices on the poor.</u> (#4663) by Ivanic, Maros and Will Martin 	
4:30-6:00pm (16:30-18:00)	Session #16	105
	<p><i>"Bioenergy"</i> Chair: Jeffrey Peters</p> <ul style="list-style-type: none"> – <u>The impact of an EU-US Transatlantic Trade and Investment Partnership Agreement on Biofuel and Feedstock Markets</u> (#4599) by Beghin, John, Christophe Bureau and Alex Gohin – <u>The Impact of Advanced Biofuels on Aviation Emissions and Operations in the U.S.</u> (#4618) by Winchester, Niven, Robert Malina, Mark Staples and Steven Barrett 	

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Time	Event	Location
6:30-8:30pm (18:30-20:30)	Reception	Victoria University
	Victoria University , Level 12, 300 Flinders Street <i>See pages 9-10 for transportation and directions.</i>	

Daily Overview: Thursday, June 18
Full session details for this day are listed on pages 24-33.

	Room 101	Room 102	Room 103	Room 104	Room 107	Room 108
8:00am-5:00pm (8:00-17:00)	Registration (Level 1 Foyer 1)					
9:00-11:00am	*Session #17 <i>Studies on Australian carbon policy</i> <i>Pg. 24</i>	Session #18 <i>African Growth, Trade and Development</i> <i>Pg. 24</i>	*Session #19 <i>Considering primary factor markets in CGE analysis</i> <i>Pg. 25</i>	Session #20 <i>The GTAP Data Base and Extensions</i> <i>Pg. 25</i>	*Session #21 <i>CGE models of the Chinese economy: development and applications</i> <i>Pg. 26</i>	Session #22 <i>Climate and Technology</i> <i>Pg. 26</i>
11:00-11:30am	Coffee Break (Level 1 Foyer 1)					
11:30am-1:00pm (11:30-13:00)	Session #23 <i>Labor Market Issues and Demographics</i> <i>Pg. 27</i>	Session #24 <i>Input-Output Data</i> <i>Pg. 27</i>	Session #25 <i>Australian Economy</i> <i>Pg. 27</i>	Session #26 <i>Climate Change Policy</i> <i>Pg. 28</i>	Session #27 <i>Foreign Direct Investment: Central America and the Caribbean</i> <i>Pg. 28</i>	
1:00-2:30pm (13:00-14:30)	Lunch (Level 1 Foyer 1)					
2:30-4:30pm (14:30-16:30)	*Session #28 <i>Forecasting employment using CGE models</i> <i>Pg. 29</i>	Session #29 <i>Agricultural and Water Impacts: Europe and Asia</i> <i>Pg. 29</i>	*Session #30 <i>Towards "Trade Policy Analysis 2.0"</i> <i>Pg. 30</i>	Session #31 <i>Economic Developments: Middle East</i> <i>Pg. 30</i>	Session #32 <i>Health-related Issues</i> <i>Pg. 31</i>	Session #33 <i>Labor Market Issues</i> <i>Pg. 31</i>
4:30-5:00pm (16:30-17:00)	Coffee Break (Level 1 Foyer 1)					
5:00-6:00pm (17:00-18:00)	Session #34 <i>Trade: European Union and Common Wealth of Independent States</i> <i>Pg. 31</i>	Session #35 <i>Social Accounting Matrices</i> <i>Pg. 32</i>	Session #36 <i>Trade and the Environment: Asia</i> <i>Pg. 32</i>	Session #37 <i>Food Security and Demand: Africa</i> <i>Pg. 32</i>	Session #38 <i>Economic Development and Sustainability</i> <i>Pg. 32</i>	
7:00-10:00pm (19:00-22:00)	Dinner (Intercontinental Melbourne The Rialto, 495 Collins Street, Melbourne 3000) <i>See pages 7, 9 and 11 for transportation and directions.</i>					

*Organized Session

Presentation Schedule: Thursday, June 18

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Time	Event	Location
8:00am-5:00pm (8:00-17:00)	Onsite Registration	Level 1 Foyer 1
9:00-11:00am	Session #17 – Organized Session	101
	<p><i>“Studies on Australian carbon policy”</i> Organizer/Chair: Sam Meng</p> <ul style="list-style-type: none"> – <u>A review of the economic modelling on the impacts of the Australian carbon tax</u> (#4722) by McNeill, Judith, Mahinda Siriwardana, Sam Meng, Duy Nong and Trang Tran – <u>Australia in an International Emissions Trading (ETS) Scheme: An Economic Evaluation Using the GTAP-E Model</u> (#4682) by Siriwardana, Mahinda and Duy Nong – <u>The Distributional and Welfare Effects of the Australian Emissions Trading Scheme</u> (#4639) by Tran, Trang, Sam Meng, Mahinda Siriwardana, Judith McNeill and Duy Nong – <u>Will the direct action plan work?</u> (#4727) by Meng, Sam, Mahinda Siriwardana and Judith McNeill 	
9:00-11:00am	Session #18	102
	<p><i>“African Growth, Trade and Development”</i> Chair: Stephen Karingi</p> <ul style="list-style-type: none"> – <u>The Distributional Effects of ECOWAS Common External Tariffs in a Rich Country with Poor People</u> (#4634) by Kareem, Olayinka Idowu – <u>Real Effects of Public Debt on National Development</u> (#4709) by Chitiga, Margaret, Ramos Mabugu and Helene Maisonnave – <u>The Economic Partnership Agreements and Africa’s integration and transformation agenda: the cases of West Africa and Eastern and Southern Africa regions</u> (#4754) by Mevel, Simon, Giovanni Valensisi and Stephen Karingi – <u>Regional trade integration and trade facilitation as a pro-industrialization policy tool: the case of North Africa’s countries</u> (#4768) by Mevel, Simon, Jaime Moll de Alba and Nassim Oulmane 	

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Time	Event	Location
9:00-11:00am	Session #19 – Organized Session	103
	<p><i>“Considering primary factor markets in CGE analysis”</i> Organizer: Marinos Tsigas Chair: David Cheong</p> <ul style="list-style-type: none"> – <u>Mobility of Primary Factors and its Effects on Economic Growth and Welfare Generated by Rural Credit in Brazilian Regions</u> (#4631) by Pinto, Talita, Erly Teixeira and Angelo Gurgel – <u>Dutch Disease, Informality, and Employment Dynamics in Colombia</u> (#4721) by Arguello, Ricardo – <u>The Impact of the 2014 Platinum Mining Strike in South Africa: An Economy-Wide Analysis</u> (#4687) by Bohlmann, Heinrich, Peter Dixon, Maureen Rimmer and Jan van Heerden – <u>The impact of foreign multinationals in information and communications technology (ICT) sectors: A CGE evaluation</u> (#4734) by Gomez-Plana, Antonio and María C. Latorre 	
9:00-11:00am	Session #20	104
	<p><i>“The GTAP Data Base and Extensions”</i> Chair: Badri Narayanan</p> <ul style="list-style-type: none"> – <u>Reconciling the GTAP Data Base: Where are the Big Changes?</u> (#4761) by Walmsley, Terrie, Badri Narayanan, Angel Aguiar and Robert McDougall – <u>The database-modeling nexus in integrated assessment modeling of electric power generation</u> (#4617) by Peters, Jeffrey C. and Thomas Hertel – <u>Public procurement data base extension and modelling modifications for analysis purposes</u> (#4756) by Aguiar, Angel, Caitlyn Carrico, Thomas Hertel, Zekarias Hussein and Robert McDougall – <u>EU agricultural domestic support in GTAP: a proposal for an alternative approach</u> (#4702) by Boulanger, Pierre H, George Philippidis and Hans Grinsted Jensen 	

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Time	Event	Location
9:00-11:00am	Session #21 – Organized Session	107
	<p><i>“CGE models of the Chinese economy: development and applications”</i> Organizer/Chair: Xiujian Peng</p> <ul style="list-style-type: none"> – <u>Application of SICGE (A GEMPACK-based CGE in China):Developing China’s National Carbon Market in Coordination with the Electricity</u> (#4726) by Li, Jifeng, Cai Songfeng and Yaxiong Zhang – <u>The Effects of China-US Free Trade Agreement (CHUSFTA)</u> (#4719) by Songfeng, Cai, Yaxiong Zhang and Jianqin Yuan – <u>Modeling Hydropower investments in China based on Sino TERM</u> (#4725) by Jing, Zhao, Ni Hongzhen, Xiujian Peng, Glyn Wittwer and Genfa Chen – <u>Carbon tax and double dividend in China – a CGE application</u> (#4732) by Feng, Shenghao 	
9:00-11:00am	Session #22	108
	<p><i>“Climate and Technology”</i> Chair: Guy Jakeman</p> <ul style="list-style-type: none"> – <u>CO2 Emissions, Energy, and Economic Impacts of CO2 Mandates for New Cars in Europe</u> (#4628) by Paltsev, Sergey, Y.-H. Henry Chen, Valerie Karplus, Paul Kishimoto and John Reilly – <u>Economic impacts of the Energy Efficiency Directive - regional CGE approach</u> (#4749) by Simola, Antti, Juha Honkatukia, Miimu Airaksinen and Terttu Vainio – <u>Employment and skill structure impacts of a transition to a low-carbon economy: a general equilibrium analysis.</u> (#4743) by Chateau, Jean – <u>Economic, Energy and Carbon Footprint Impact of Australia’s National Broadband Network</u> (#4798) by Suessspeck, Sascha, Philip Adams and Kerry Hinton 	
11:00-11:30am	Coffee Break	Level 1 Foyer 1

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Time	Event	Location
11:30am-1:00pm (11:30-13:00)	Session #23	101
	<p><i>"Labor Market Issues and Demographics"</i> Chair: Tony Meagher</p> <ul style="list-style-type: none"> – <u>Economic Impact of Women's Participation in the Labor Market: A General Equilibrium Approach</u> (#4714) by Souza, Kenia and Edson Domingues – <u>Some short run dynamics for a CGE model</u> (#4668) by Wiskich, Tony – <u>Gender Roles in Family Decision Making: Results from Indian States</u> (#4685) by Deb, Surajit 	
11:30am-1:00pm (11:30-13:00)	Session #24	102
	<p><i>"Input-Output Data"</i> Chair: Angel Aguiar</p> <ul style="list-style-type: none"> – <u>Bayesian Updating of Input-Output Tables</u> (#4661) by Polbin, Andrey, Oleg Lugovoy and Vladimir Potashnikov – <u>Regional Input-Output Studies: A Systematic Literature Review</u> (#4777) by Ploszaj, Adam, Dorota Celinska-Janowicz, Jakub Rok and Katarzyna Zawalinska – <u>Improving the EU Input-Output Database for Global Trade Analysis: the EU-GTAP Project</u> (#4760) by Rueda-Cantuche, Jose Manuel, Bert Saveyn, Emanuele Ferrari, Antonio F. Amores, Tamas Revesz, Alfredo Mainar, Letizia Montinari and Marian Mraz 	
11:30am-1:00pm (11:30-13:00)	Session #25	103
	<p><i>"Australian Economy"</i> Chair: Patrick Jomini</p> <ul style="list-style-type: none"> – <u>Integrating medium-term macroeconomic projections into a CGE model: the Australian experience</u> (#4730) by Chen, Yuelan and Cedric Hodges – <u>Superannuation within a financial CGE model of the Australian economy</u> (#4652) by Dixon, Peter, James Giesecke and Maureen Rimmer – <u>Effects of mutual recognition of imputation credits</u> (#4673) by Murray, Tim 	

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Time	Event	Location
11:30am-1:00pm (11:30-13:00)	Session #26	104
	<p><i>"Climate Change Policy"</i> Chair: Liangyue Cao</p> <ul style="list-style-type: none"> - <u>A General Equilibrium Investigation of the Social Efficiency of Energy Policy Instruments in Turkey (#4622)</u> by Yeldan, A. Erinc and Sevil Acar - <u>Global Energy and Climate Outlook: Road to Paris - Assessment of Low Emission Levels under World Action Integrating National Contributions (#4632)</u> by Vandyck, Toon, Bert Saveyn, Zoi Vrontisi, Alban Kitous, Ariane Labat and Miles Perry - <u>Defining deep decarbonization pathways for Switzerland: An economic evaluation based on the Computable General Equilibrium Model GEMINI-E3 (#4616)</u> by Babonneau, Frédéric, Philippe Thalmann and Marc Vielle 	
11:30am-1:00pm (11:30-13:00)	Session #27	107
	<p><i>"Foreign Direct Investment: Central America and the Caribbean"</i> Chair: Ricardo Arguello</p> <ul style="list-style-type: none"> - <u>DR-CAFTA Agreement and liberalization of trade in services: Evidence from Costa Rica (#4755)</u> by Traore, Fousseini, Carmen Estrades and Calvin Djiofack Zebaze - <u>Effect of Foreign Direct Investment on Economic Growth and Other Economic Variables in Costa Rica Using the Global Analysis Project (GTAP) Models (#4780)</u> by Alexandre, Jean-Wilner - <u>Unleashing the Dragon in the Caribbean Sea: Exploring the Economic Impacts of Increased China-Caribbean Trade and Investment (#4742)</u> by Colley, Lisandra and Anna Strutt 	
1:00-2:30pm (13:00-14:30)	Lunch	Level 1 Foyer 1

Presentation Schedule: Thursday, June 18

Presenters (bold) should arrive 10 minutes prior to the start of their session with their presentation on a USB drive in both PowerPoint and PDF formats.

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Time	Event	Location
2:30-4:30pm (14:30-16:30)	Session #28 – Organized Session	101
	<p><i>“Forecasting employment using CGE models”</i> Organizer/Chair: Janine Dixon</p> <ul style="list-style-type: none"> – <u>A new generation of scientists? The impact of STEM-qualified workers on the Australian economy</u> (#4674) by Dixon, Janine – <u>Forecasts of Future Labour Market Requirements for Oman: An Application of the OMAGE model</u> (#4748) by Adams, Philip, Nhi Tran and James Giesecke – <u>Interfacing a CGE Labour Market Model with the E3ME Multi-Sector Macroeconomic Model</u> (#4785) by Meagher, Tony, Felicity Pang and Rob Wilson – <u>Modelling the Implications of a Low-Carbon Europe for Employment by Occupation</u> (#4800) by Wilson, Rob, Tony Meagher and Hector Pollitt 	
2:30-4:30pm (14:30-16:30)	Session #29	102
	<p><i>“Agricultural and Water Impacts: Europe and Asia”</i> Chair: Glyn Wittwer</p> <ul style="list-style-type: none"> – <u>From sector specific nitrogen policies to a common individual transferable quota system - Sector and Macroeconomic Implication</u> (#4706) by Jacobsen, Lars-Bo – <u>Agricultural production, irrigation, climate change, and water scarcity in India</u> (#4697) by Taheripour, Farzad, Thomas Hertel, Badri Narayanan, Sebnem Sahin and Jorge J. Ecurra – <u>Water Scarcity in South Asia: A Dynamic Computable General Equilibrium Analysis</u> (#4724) by Narayanan, Badri, Farzad Taheripour, Thomas Hertel, Sebnem Sahin and Jorge Ecurra – <u>Economy-wide analysis for India of the effects of removing agricultural subsidies</u> (#4658) by Dixon, Peter, Maureen Rimmer, Rajesh Chadha, Devender Pratap and Anjali Tandon 	

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Time	Event	Location
2:30-4:30pm (14:30-16:30)	Session #30 – Organized Session	103
	<p><i>“Towards ‘Trade Policy Analysis 2.0’”</i> Organizer/Chair: Zornitsa Kutlina-Dimitrova</p> <ul style="list-style-type: none"> – <u>The economic impact of the Russian import ban (#4660)</u> by Kutlina-Dimitrova, Zornitsa and Badri Narayanan – <u>Domestic Regulations and U.S. Exports (#4633)</u> by Riker, David – <u>Could globalization become more inclusive? A CGE illustration using Farm heterogeneity data (#4793)</u> by Laborde, David – <u>Theoretically-Consistent Parameterization of a Multi-sector Global Model with Heterogeneous Firms (#4731)</u> by Akgul, Zeynep, Nelson Villoria and Thomas Hertel 	
2:30-4:30pm (14:30-16:30)	Session #31	104
	<p><i>“Economic Developments: Middle East”</i> Chair: Aikaterini Kavallari</p> <ul style="list-style-type: none"> – <u>Subsidy Reform in Jordan: A First Application of the JorGE Model (#4681)</u> by Adams, Philip – <u>Modelling the Impacts of Large New Projects in Saudi Arabia (#4717)</u> by Roos, Louise and Philip Adams – <u>Risky Business: Political Instability and Sectoral Greenfield Foreign Direct Investment in the Arab World (#4707)</u> by Burger, Martijn, Elena Ianovichina and Bob Rijkers – <u>Economic Effects of the Syrian War and the Spread of the Islamic State on the Levant (#4805)</u> by Ivanic, Maros and Elena Ianovichina 	

Presentation Schedule: Thursday, June 18

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Time	Event	Location
2:30-4:30pm (14:30-16:30)	Session #32	107
	<i>"Health-related Issues"</i> Chair: Fabio Eboli	
	<ul style="list-style-type: none"> – <u>A macroeconomic modelling approach to estimate the burden of Alzheimer's disease on the Chinese economy (#4701)</u> by Jensen, Henning Tarp, Marcus Keogh-Brown and Richard Smith – <u>Estimating the Economic Impact of the 2014-2015 Ebola Epidemic: CGE Based Analysis (#4775)</u> by Evans, David, Francisco Ferreira, Hans Lofgren, Maryla Maliszewska, Mead Over and Marcio Cruz – <u>An Assessment of Ebola-related Food Security Threat in Guinea (#4695)</u> by Fofana, Ismael, Sunday Pierre Odjo and Julia Collins 	
2:30-4:30pm (14:30-16:30)	Session #33	108
	<i>"Labor Market Issues"</i> Chair: Ralf Peters	
	<ul style="list-style-type: none"> – <u>Global Income Inequality and Structural Change. Decomposing the between- and within-income inequality by industry, workers' skilled level, and occupation (#4737)</u> by Osorio, Israel – <u>Access to Israeli Labor Markets: Effects on the West Bank Economy (#4689)</u> by Agbahey, Johanes, Khalid Siddig and Harald Grethe – <u>Import Competition from Neighbors: Impacts on Performances of Enterprises in Vietnam (#4703)</u> by Yane, Haruka and Hiroyuki Yamada 	
4:30-5:00pm (14:30-17:00)	Coffee Break	Level 1 Foyer 1
5:00-6:00pm (17:00-18:00)	Session #34	101
	<i>"Trade: European Union and Common Wealth of Independent States"</i> Chair: Anders Aeroe	
	<ul style="list-style-type: none"> – <u>The EU-Ukraine Deep and Comprehensive Free Trade Agreement and the Importance of FDI (#4764)</u> by Olekseyuk, Zoryana – <u>The cost of import prohibition for political reason: CGE analysis of the Russian ban on agri-food products (#4688)</u> by Boulanger, Pierre H, Hasan Dudu, Emanuele Ferrari and George Philippidis 	

Presentation Schedule: Thursday, June 18

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Time	Event	Location
5:00-6:00pm (17:00-18:00)	Session #35	102
	<p><i>“Social Accounting Matrices”</i> Chair: Laurent Cretegny</p> <ul style="list-style-type: none"> – <u>A Micro Environmental Social Accounting Matrix (E-SAM) for Australia (#4613)</u> by Nong, Duy, Sam Meng, Mahinda Siriwardana, Judith McNeill and Trang Tran – <u>Construction of Social Accounting Matrix for Kenya 2009 (#4610)</u> by Omolo, Miriam 	
5:00-6:00pm (17:00-18:00)	Session #36	103
	<p><i>“Trade and the Environment: Asia”</i> Chair: Hiro Lee</p> <ul style="list-style-type: none"> – <u>Estimating the Economic Effects of Trans-Pacific Partnership (TPP) Agreement on Vietnamese Economy (#4609)</u> by Pham, Tai – <u>Tele-connect local primary PM2.5 emissions to global consumption (#4606)</u> by Meng, Jing 	
5:00-6:00pm (17:00-18:00)	Session #37	104
	<p><i>“Food Security and Demand: Africa”</i> Chair: Luca Salvatici</p> <ul style="list-style-type: none"> – <u>Exploring different food security futures, what might be in store for the poor in Ghana? (#4662)</u> by Kuiper, Marijke, Lindsay Shutes and Michiel Van Dijk – <u>Grain Price Spikes and Beggar-thy-neighbor Policy Responses: The Consequences for Uganda's Poor (#4684)</u> by Boysen, Ole and Hans Grinsted Jensen 	
5:00-6:00pm (17:00-18:00)	Session #38	107
	<p><i>“Economic Development and Sustainability”</i> Chair: Henning Tarp Jensen</p> <ul style="list-style-type: none"> – <u>How increasing investments in R&D would contribute to development of Poland and its regions? (#4794)</u> by Zawalinska, Katarzyna, Adam Ploszaj, Dorota Celinska-Janowicz and Jakub Rok – <u>A GTAP-based approach to keep track future progress in sustainability and resource efficiency (#4641)</u> by Campagnolo, Lorenza and Fabio Eboli 	

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Time	Event	Location
7:00-10:00pm (19:00-22:00)	Dinner	Intercontinental Melbourne The Rialto

Intercontinental Melbourne The Rialto, 495 Collins Street
See pages 7, 9 and 11 for transportation and directions.

Dinner Speaker: Hon Dr Andrew Leigh MP

See page 34 for Andrew Leigh's biography.

Award Ceremony

- Partnering Organization Recognition
- Sponsor Recognition
- Ken Pearson Scholarship Recipients
- 2015 Alan A. Powell Award
- 2015-2018 GTAP Research Fellows
- GTAP Research Fellow Hall of Fame

Dinner Speaker **Thursday, June 18**



Hon Dr Andrew Leigh MP

Federal Member for Fraser, Australian Capital Territory

<http://www.andrewleigh.com/>

http://www.aph.gov.au/Senators_and_Members/Parliamentarian?MPID=BU8

Andrew grew up in Malaysia, Indonesia, Melbourne and Sydney. He studied Arts/Law (Hons) at the University of Sydney, and gained a PhD in Public Policy from Harvard University.

His early life gave him a profound sense of how important inclusive communities are. His grandparents took the view that if there was a spare room in the house, it should be used by someone who needed the space. Andrew's experience of breaking at his grandparents' home with Indigenous families and newly arrived refugees helped inform his lifelong passion for Australia's multiculturalism.

A former associate to Michael Kirby, Andrew's last job before entering parliament was as an economics professor at the Australian National University. He was awarded the 'Young Economist Award', a prize given every two years by the Economics Society of Australia to the best Australian economist under 40.

Much of his economic research has been devoted to the vast challenges of reducing poverty and disadvantage. He believes that rising inequality strains the social fabric and that too much inequality cleaves us one from another: occupying different suburbs, using different services, and losing our sense of shared purpose.

"I will strive to strengthen community life not only in Canberra, but across Australia. In doing so, I hope to follow in the footsteps of my grandparents – people of modest means who believed that a life of serving others was a life well lived."

Andrew believes that reform will only succeed if there is a will for action – if we believe in our hearts that we cannot enjoy the good life without a healthy planet.

In 2010, Andrew was elected as the Federal Member for Fraser.

In March, 2013 Andrew was sworn in as Parliamentary Secretary to the Prime Minister.

Andrew is a fan of the Brumbies, Raiders and Capitals. He enjoys spending time with his wife Gweneth and their three sons, Sebastian, Theodore and Zachary.

Daily Overview: Friday, June 19

Full session details for this day are listed on pages 38-43.

	Room 101	Room 102	Room 103	Room 104	Room 105	Room 107
9:00-10:30am	Session #39 <i>Modeling International Trade Flows</i> <i>Pg. 38</i>	Session #40 <i>Climate Change Policy and Environmental Taxes</i> <i>Pg. 38</i>	Session #41 <i>Economic Development: Asia</i> <i>Pg. 38</i>	Session #42 <i>Dynamic Modeling of Economic Growth</i> <i>Pg. 39</i>	*Session #43 <i>Tariff Data and Policies</i> <i>Pg. 39</i>	Session #44 <i>Agricultural Trade in Africa</i> <i>Pg. 39</i>
10:30-11:00am	Coffee Break (Level 1 Foyer 1)					
11:00am-12:30pm	Session #45 <i>Greenhouse Gas Reduction</i> <i>Pg. 40</i>	Session #46 <i>Analysis of Preferential Trade Agreements</i> <i>Pg. 40</i>	Session #47 <i>Effects of NAFTA</i> <i>Pg. 40</i>	Session #48 <i>Climate Impacts</i> <i>Pg. 41</i>	Session #49 <i>Socio-Economic and Poverty Issues</i> <i>Pg. 41</i>	
12:30-2:00pm (12:30-14:00)	Lunch (Level 1 Foyer 1)					
2:00-3:30pm (14:00-15:30)	Session #50 <i>Economic Crisis: East Asia</i> <i>Pg. 41</i>	Session #51 <i>Trade</i> <i>Pg. 42</i>	Session #52 <i>Policy Analysis and Models</i> <i>Pg. 42</i>	*Session #53 <i>Economy-wide Analysis of the Impacts of Water Scarcity</i> <i>Pg. 42</i>		Session #54 <i>Climate Impacts</i> <i>Pg. 43</i>
3:30-4:00pm (15:30-16:00)	Coffee Break (Level 1 Foyer 1)					
4:00-5:30pm (16:00-17:30)					Plenary Session <i>Environment</i> <i>Pg. 43</i>	
5:30-6:00pm (17:30-18:00)					Closing Ceremony <i>Pg. 43</i>	

Plenary Session: “Environment”

Friday, June 19 – 4:00-5:30pm

“Water: Risks, Opportunities and Public Policy”



Quentin Grafton

Professor; Chairholder UNESCO Chair in Water Economics and Transboundary Water Governance
Crawford School of Public Policy, Australian National University
<https://crawford.anu.edu.au/people/academic/quentin-grafton>

R. Quentin Grafton FASSA is Professor of Economics, ANU Public Policy Fellow, Fellow of the Asia and the Pacific Policy Society and Director of the Centre for Water Economics, Environment and Policy (CWEPP) at the Crawford School of Public Policy at the Australian National University. In April 2010 he was appointed the Chairholder, the UNESCO Chair in Water Economics and Transboundary Water Governance and in August 2013 was appointed Executive Director at the Australian National Institute of Public Policy (ANIPP). He is the recipient of several prestigious awards including and most recently the National Water Commission Professor Peter Cullen Eureka Prize for Water Research and Innovation (2011), the Vice-Chancellors’ Award for Education, Excellence in Supervision and the ANU Commendation for Outstanding Contribution to Student Learning (2011). Previously he was Chief Economist and Executive Director of the Australian Bureau of Resources and Energy Economics (2011-2013), Senior Fellow at the Centre for Resource and Environmental Studies (2001-2004) at the ANU, Director of the Institute of the Environment (1999-2001) at the University of Ottawa, Canada. He has an abiding interest in the problems of the environment and public policy, especially the overexploitation and management of renewable resources (particularly fisheries and water), and the economics of energy and also the economics of non-renewable resources. He graduated with a PhD in Economics from the University of British Columbia in 1992, and holds an MS degree from Iowa State University and an undergraduate degree from Massey University in agricultural economics. He has served as Editor of the Australian Journal of Agricultural and Resource Economics and currently serves on the editorial boards of International Journal of Environmental Economic, Water Resources and Economics, and Water Economics and Policy. He is presently an Editor for the journal Asia and Pacific Policy Studies and Associate Editor for Food Security. He is the founder and Executive Editor of the Global Water Forum and a founding member of the FE2W Network. He has published more than 100 scholarly articles in some of the world’s leading journals in economics and the life sciences (such as Science and Nature Climate Change), more than 30 chapters in books and over a dozen edited or co-authored books including in the past five years: Water Security, Economics and Governance (2013), A Dictionary of Climate Change and the Environment (2012), Water Resources Planning and Management (2011), Basin Futures Water Reform in the Murray-Darling Basin (2011), Handbook of Marine Fisheries Conservation and Management (2010) and Economics of Water Resources (2009). He has served in numerous advisory roles and expert panels in Australia and overseas, including as Chair of the Social and Economics Reference Panel of the Murray-Darling Basin Commission (2008-2009) and a member of the National Council on Education for Sustainability (2008-2010) and also as Chair of the International Geothermal Expert Group (2013-14).

Plenary Session: “Environment”

Friday, June 19 – 4:00-5:30pm

“Economic Analysis versus Business Rent-Seeking: The Eclipse of Analysis in Australia”



Ross Garnaut

Professorial Research Fellow in Economics
The University of Melbourne
<http://www.rossgarnaut.com.au/>

Professor Ross Garnaut AO is a Professorial Research Fellow in Economics at the University of Melbourne (since 2008). Earlier at the Australian National University he was Distinguished Professor of Economics (2007-2013) and before that longstanding Head of the Division of Economics in the Research School of Pacific and Asian Studies. He has been awarded the degrees *honoris causa* of Doctor of Letters from the Australian National University and Doctor of Science from the University of Sydney. He is an Honorary Professor of the Chinese Academy of Social Sciences and of Renmin University, a Fellow of the Australian Academy of Social Sciences, a Distinguished Fellow of the Australian Economics Society and a Distinguished Life Member of the Australian Agricultural and Resource Economics Society. Professor Garnaut has been Chairman of the Australian Centre for International Economic Research (1994-2000) and Trustee (2003-2006) and Chairman (2006-2010) of the International Food Policy Research Institute. He was the senior economic policy official in Papua New Guinea’s Department of Finance in the years straddling Independence in 1975, principal economic adviser to Australian Prime Minister Bob Hawke 1983-1985, and Australian Ambassador to China 1985-1988. Professor Garnaut is the author of numerous books, monographs and articles in scholarly journals on international economics, public finance and economic development, particularly in relation to East Asia and the Southwest Pacific. Recent books include *The Great Crash of 2008* (with David Llewellyn-Smith, Melbourne University Publishing 2009) and *Dog Days: Australia After the Boom* (BlackInc 2013). He is the author of a number of influential reports to Government, including *Australia and the Northeast Asian Ascendancy* (Australian Government Publishing 1989), *The Garnaut Climate Change Review* (Cambridge University Press 2008) and *The Garnaut Review 2011: Australia and the Global Response to Climate Change* (Cambridge University Press 2011). Professor Garnaut chaired the boards of major Australian and international companies continuously from 1988 to 2013, including Lihir Gold Ltd (1995-2010); Bank of Western Australia Ltd (1988-1995); Primary Industry Bank of Australia Ltd (1989-1994); Papua New Guinea Sustainable Development Limited Pty Ltd (2002-2012) and its subsidiary Ok Tedi Mining Limited; Lonely Planet Pty Ltd; Aluminium Smelters of Victoria Ltd.

Presentation Schedule: Friday, June 19

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Time	Event	Location
9:00-10:30am	Session #39	101
	<i>"Modeling International Trade Flows"</i> Chair: Kazuhiko Oyamada	
	<ul style="list-style-type: none"> – <u>We couldn't care less about Armington elasticities - but should we? A systematic analysis of the influence of Armington elasticity misspecification on model results</u> (#4710) by Schuerenberg-Frosch, Hannah – <u>Forward-Looking Elasticities of Substitution for Nested CES Production Function</u> (#4624) by Potashnikov, Vladimir and Oleg Lugovoy – <u>Examining Trade Response of Armington-Krugman-Melitz Encompassing Module in a CGE Model</u> (#4666) by Itakura, Ken and Kazuhiko Oyamada 	
9:00-10:30am	Session #40	102
	<i>"Climate Change Policy and Environmental Taxes"</i> Chair: Robert Beach	
	<ul style="list-style-type: none"> – <u>Comparison of Carbon Trading Tax and Capping: Australian Manufacturing Sector Prospective</u> (#4605) by Gharehbaghi, Koorosh – <u>Assessing the Impact of a Carbon Tax in Ukraine</u> (#4747) by Frey, Miriam – <u>Household heterogeneity, aggregation, and the distributional impacts of environmental taxes</u> (#4607) by Schwarz, Giacomo and Sebastian Rausch 	
9:00-10:30am	Session #41	103
	<i>"Economic Development: Asia"</i> Chair: Rajesh Chadha	
	<ul style="list-style-type: none"> – <u>Asia's Evolving Role in Global Wine Markets</u> (#4655) by Anderson, Kym and Glyn Wittwer – <u>Policy Coordination among the ASEAN-5: A Global VAR analysis</u> (#4629) by Tan, Sui-Lay 	

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Time	Event	Location
9:00-10:30am	Session #42	104
	<i>"Dynamic Modeling of Economic Growth"</i> Chair: Antti Simola	
	<ul style="list-style-type: none"> – <u>Tourism: economic growth, employment and Dutch Disease.</u> (#4649) by Inchausti-Sintes, Federico – <u>Whither Recovery – Fiscal Reform, Structural Change and Potential Output after Six Years of Recession</u> (#4698) by Honkatukia, Juha – <u>Is the Brazilian Pre-salt Oil Competitive? Economic and Environmental Long Run Impacts from the Incentives to the Pre-salt</u> (#4623) by Moraes, Maria Juliana Iorio de, Angelo Gurgel and Sergey Paltsev 	
9:00-10:30am	Session #43 – Organized Session	105
	<i>"Tariff Data and Policies"</i> Organizer/Chair: Badri Narayanan	
	<ul style="list-style-type: none"> – <u>East Asia tariff concessions: A CGE analysis</u> (#4679) by Kawasaki, Kenichi, Badri Narayanan, Houssein Guimbard and Arata Kuno – <u>Utilization of Preferential Tariffs</u> (#4804) by Mimouni, Mondher, Xavier Pichot and Badri Narayanan – <u>Agricultural Policy Reforms in Sub Saharan Africa: A CGE Analysis</u> (#4711) by Balié, Jean and Badri Narayanan 	
9:00-10:30am	Session #44	107
	<i>"Agricultural Trade in Africa"</i> Chair: Simon Mevel	
	<ul style="list-style-type: none"> – <u>Wheat Import Subsidies in the Sudan: Problems and Alternative Policy Options for Poverty Alleviation</u> (#4763) by Siddig, Khalid and Harald Grethe – <u>Regional trade and volatility in staple food markets in Africa</u> (#4809) by Badiane, Ousmane and Sunday Pierre Odjo – <u>Analyzing the Africa-China Trade: Some Policy Considerations and Implications</u> (#4705) by Rakotoarisoa, Manitra A. 	
10:30-11:00am	Coffee Break	Level 1 Foyer 1

Presentation Schedule: Friday, June 19

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Time	Event	Location
11:00am-12:30pm	Session #45 <i>"Greenhouse Gas Reduction"</i> Chair: Angelo Gurgel <ul style="list-style-type: none"> - <u>Global Agricultural GHG Mitigation under Climate Change</u> (#4771) by Beach, Robert and Yongxia Cai - <u>The economic costs of achieving long-run global GHG emissions reduction targets: an integrated assessment model analysis</u> (#4675) by Daigneault, Adam and Mario Fernandez - <u>Low Carbon Economy in Brazil: Policy Alternatives, Costs of Reducing Greenhouse Gas Emissions and Impacts on Households.</u> (#4700) by Magalhaes, Aline, Edson Domingues and Geoffrey Hewings 	101
11:00am-12:30pm	Session #46 <i>"Analysis of Preferential Trade Agreements"</i> Chair: Marijke Kuiper <ul style="list-style-type: none"> - <u>Atlantic versus Pacific Agreement in Agri-food Sectors: Does the Winner Take it All?</u> (#4690) by Disdier, Anne-Célia, Charlotte Emlinger and Jean Fouré - <u>The time is right: an analysis of timing in bilateral agreements implementation</u> (#4803) by Antimiani, Alessandro and Luca Salvatici - <u>Connecting to Global Value Chains: The Dynamic General Equilibrium Effects of a PTA between China and Mercosur over the economy of Brazil.</u> (#4665) by Ferraz, Lucas 	102
11:00am-12:30pm	Session #47 <i>"Effects of NAFTA"</i> Chair: Sandra Rivera <ul style="list-style-type: none"> - <u>Identifying the effects of NAFTA on the U.S. economy between 1992 and 1998: a decomposition analysis</u> (#4657) by Rimmer, Maureen and Peter Dixon - <u>Predicting the effects of NAFTA with the BDS, GTAP, and EK models</u> (#4776) by Fox, Alan, Serge Shikher and Marinos Tsigas 	103

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Time	Event	Location
11:00am-12:30pm	Session #48 <i>"Climate Impacts"</i> Chair: Toon Vandyck – <u>The Economic Value of Weather Forecasts: Stochastic Economy-Wide Analysis for East Africa</u> (#4664) by Rodrigues, Joao , James Thurlow, Claudia Ringler, Ricky Robertson and Tingju Zhu – <u>Coupling Socioeconomic Factors into a Global Earth System Model: An Inter-comparison of the Socio-Economic Consequence of the IPCC RCP8.5 and RCP4.5 scenarios</u> (#4672) by Gunasekera, Don – <u>Welfare and Production Implications of Climate Change-Induced Impacts on Labour Capacity: Assessment of outputs from 30 CMIP5 Earth System Models.</u> (#4656) by Newth, David , Ernesto Valenzuela, Yiyong Cai and Don Gunasekera	104
11:00am-12:30pm	Session #49 <i>"Socio-Economic and Poverty Issues"</i> Chair: Dirk Willenbockel – <u>Information for Policy Making: Numerical Examples of Poverty Impact of Terms of Trade Shocks in Ethiopia Using a Miniature 124 Model and Back-of-the-Envelope Calculations</u> (#4786) by Evans, H. David , Niyati Ghelani and Gustavo Ramirez – <u>Trade Liberalisation and Rural Poverty in Vietnam</u> (#4659) by Vanzetti, David and Huong Thi Lan Pham	105
12:30-2:00pm (12:30-14:00)	Lunch	Level 1 Foyer 1
2:00-3:30pm (14:00-15:30)	Session #50 <i>"Economic Crisis: East Asia"</i> Chair: Erwin Corong – <u>Third Arrow Reforms and the Global Implications of Economic Recovery in Japan</u> (#4696) by Tyers, Rod and Akihito Asano – <u>Investigating Fiscal and Social Costs of Recovery Policy: A Dynamic General Equilibrium Analysis of a Compound Disaster in Northern Taiwan</u> (#4620) by Huang, Michael and Nobuhiro Hosoe – <u>Analysis of Electric Supply Shortage and Change in Factor of Production in Japan caused by Earthquake using the GTAP-E model</u> (#4680) by Higashi, Akiko	101

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Time	Event	Location
2:00-3:30pm (14:00-15:30)	Session #51 <i>"Trade"</i> Chair: Bob Koopman – <u>Price level co-movements within Preferential Trade Agreements (PTAs) (#4694)</u> by Whitten, Gregory – <u>Mega-regional free trade agreements in the Asia-Pacific: How do productivity gains, cost mitigations and agricultural policy reforms affect the results? (#4765)</u> by Lee, Hiro and Ken Itakura – <u>Service Innovation through Industrial Cluster Formation and Bolstered via the Promotion of Associated Export Opportunities (#4773)</u> by Pisa, Noleen , Riaan Rossouw and Sonja Grater	102
2:00-3:30pm (14:00-15:30)	Session #52 <i>"Policy Analysis and Models"</i> Chair: Maureen Rimmer – <u>Toward the Integration of Policymaking Models and Economic Models (#4735)</u> by Efird, Brian and Ben Wise – <u>Incorporating Air Transport Congestion into a Large CGE Model of the US Economy (#4757)</u> by Harback, Katherine , Shane Martin, Leonard Wojcik, Simon Tsao, Stephen Welman, Peter Dixon and Maureen Rimmer	103
2:00-3:30pm (14:00-15:30)	Session #53 – Organized Session <i>"Economy-wide Analysis of the Impacts of Water Scarcity"</i> Organizer: Thomas Hertel Chair: Quentin Grafton – <u>The TERM-H2O modeling experience in Australia: small region water modeling (#4653)</u> by Wittwer, Glyn – <u>Analyzing Future Water Scarcity in Computable General Equilibrium Models (#4802)</u> by Liu, Jing, Thomas Hertel and Farzad Taheripour – <u>When Water Saving Limits Recycling: Modeling Cascading Water Use in a Computable General Equilibrium Framework (#4704)</u> by Luckmann, Jonas , Harald Grethe and Scott McDonald	104

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Time	Event	Location
2:00-3:30pm (14:00-15:30)	Session #54 <i>"Climate Impacts"</i> Chair: Don Gunasekera <ul style="list-style-type: none"> - <u>The economic benefits and costs of mitigating climate change on agriculture</u> (#4621) by Pena-Levano, Luis Moises, Wally Tyner and Farzad Taheripour - <u>Closing yield gaps under climate change in a global computable equilibrium model of the world economy</u> (#4733) by Delzeit, Ruth and Gernot Klepper 	107
3:30-4:00pm (15:30-16:00)	Coffee Break	Level 1 Foyer 1
4:00-5:30pm (16:00-17:30)	Plenary Session <i>"Environment"</i> Chair: Brian Parmenter <ul style="list-style-type: none"> - Water: Risks, Opportunities and Public Policy by Grafton, Quentin - Economic Analysis versus Business Rent-Seeking: The Eclipse of Analysis in Australia by Garnaut, Ross 	105
5:30-6:00pm (17:30-18:00)	Closing Ceremony <ul style="list-style-type: none"> - Dominique van der Mensbrugghe, Center for Global Trade Analysis, Purdue University - 2016 Conference Preview by Maliszewska, Maryla 	105

Post-Conference Event: Saturday, June 20

Yarra Valley Day Tour

For those individuals who registered and paid to participate in this event, please make note of the following schedule.

Time	Details
7:45am	Meet Hilton Melbourne South Wharf (Lobby) 2 Convention Ctr Place, South Wharf VIC 3006 <i>*The Hilton is located adjacent to the Melbourne Convention Centre.</i>
8:00am	Departure
9:00am – 4:00pm (9:00-16:00)	Tour (lunch included)
5:30pm (17:30)	Drop-off: Hilton Melbourne South Wharf

Weather

Like Melbourne, the weather in the Yarra Valley and Dandenongs can be unpredictable. Sunshine one moment, showers the next. Participants are advised to bring layers of clothing, comfortable walking shoes and a lightweight, waterproof jacket.

What to Bring

Below is a list of items that are recommended for the tour.

- Camera
- Walking/hiking shoes/trainers. The forest trail is well surfaced but heels and flip-flops are not suitable. Please also note that the forest trail may be muddy from time to time.
- Layers of clothing (Victoria's weather can change quickly.)
- Water bottle (There will be refilling opportunities throughout the day.)
- Snacks as needed (lunch provided)
- Hat and glasses
- Insect repellent and sunscreen

Medical Needs

While tour guides are not medically trained, apart from first aid, in the case of an emergency it may be helpful if your guide is aware of any medical conditions or medication you are taking. Please advise them upon pick-up if this is relevant to you.

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2016 Conference Preview

19th Annual Conference on Global Economic Analysis *“Analytical Foundations for Cooperation in a Multipolar World”*



The World Bank
Washington DC, USA | June 15-17, 2016

Objective

The objective of the annual conference on economic analysis is to promote the exchange of ideas among economists conducting quantitative analysis of global economic issues. Particular emphasis will be placed on applied general equilibrium methods, data, and application. Related theoretical and applied work is also welcome. This conference will focus around:

- Perspectives and policies for sustainable, inclusive growth
- Poverty and inequality in a rapidly changing world
- Sustainable development for the 21st Century
- Structural transformation in a changing world
- Implications of the internet for the world economy with sub-themes of trade in digital goods and NTMs

Abstract / Session Proposal Submission

Abstracts and organized session proposals will be accepted on the GTAP website from early November 2015 through January 15, 2016. All submissions will go through a peer review process. Accepted presenters will be notified in early March 2016 with papers due April 15, 2016.

Please address questions on this event to:

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Center for Global Trade Analysis
Department of Agricultural Economics, Purdue University

GTAP 9 Data Base



The centerpiece of the Global Trade Analysis Project is the GTAP Data Base, a fully documented, publicly available global data base which contains complete bilateral trade information, transport and protection linkages. The GTAP Data Base represents the world economy and is utilized by thousands worldwide as a key input into contemporary applied general equilibrium (AGE) analysis of global economic issues. The current release, the GTAP 9 Data Base, features 2004, 2007 and 2011 reference years as well as 140 regions for all 57 GTAP commodities.

In addition to the GTAP 9 Data Base, the Center for Global Trade Analysis develops and releases a number of satellite datasets including data on land-use, migration and capital flows. These additional datasets allow users to more easily use and adapt the full suite of GTAP Computable General Equilibrium (CGE) Models, including the Dynamic GTAP Model (GDyn), the energy extension (GTAP-E) and the international migration extension (GMig2), for analysis of global trade and environmental issues.

WHAT'S NEW IN GTAP 9?

- Three reference years: 2004, 2007 and 2011
- Additional regional disaggregation: 140 regions and 57 sectors
 - Newly added regions: Benin, Burkina Faso, Guinea, Togo, Rwanda, Brunei Darussalam, Jordan, Dominican Republic, Jamaica, Puerto Rico, and Trinidad and Tobago
 - Updated/Improved regions: Brazil, Colombia, Paraguay, Belarus, Pakistan, Turkey, China, Japan, Korea, Singapore, Taiwan, Australia, New Zealand, Norway, Malawi, Mozambique, Nigeria, Senegal, Tanzania, and Zambia
- New macro-economic data for 2004, 2007, and 2011
- New trade data for 2004, 2007, and 2011
- New protection data for 2007 and 2011
- New Time-Series Bilateral Trade data from 1995-2011
- Improved bilateral services trade data for 2004, 2007, and 2011
- Improved energy data for 2004, 2007, and 2011
- Revised OECD domestic support for 2004, 2007, and 2011
- Revised treatment of taxes in the agricultural and energy sectors
- Decomposition of tariff (into ad valorem and specific) and OECD domestic support payments data (into different types of payments based on the extent of decoupling and base)
- CO₂ emissions dataset integrated into core data base

GTAP 9 Data Base Pricing (USD)						
	Standard Price		Lower-Middle Income Economy Price		Low Income Economy Price	
	New	Upgrade	New	Upgrade	New	Upgrade
Government/Private Sector	\$5,940	\$3,830	\$3,560	\$2,300	\$2,380	\$1,530
Library Academic	\$4,400	\$2,340	\$2,640	\$1,400	\$1,760	\$940
Multiple Academic	\$2,200	\$1,170	\$1,320	\$700	\$880	\$470
Single Academic	\$1,160	\$580	\$700	\$350	\$460	\$230

For further information, please visit: www.gtap.agecon.purdue.edu/databases/v9/.

GTAP 9 Data Base Regions and Sectors

REGIONS	<i>*Newly added region</i>	<i>**Updated/Improved region</i>	
**Australia		Rest of Caribbean	**Turkey
**New Zealand		Austria	United Arab Emirates
Rest of Oceania		Belgium	Rest of Western Asia
**China		Cyprus	Egypt
Hong Kong		Czech Republic	Morocco
**Japan		Denmark	Tunisia
**Korea, Republic of		Estonia	Rest of North Africa
Mongolia		Finland	*Benin
**Taiwan		France	*Burkina Faso
Rest of East Asia		Germany	Cameroon
*Brunei Darussalam		Greece	Cote d'Ivoire
Cambodia		Hungary	Ghana
Indonesia		Ireland	*Guinea
Lao People's Democratic Republic		Italy	**Nigeria
Malaysia		Latvia	**Senegal
Philippines		Lithuania	*Togo
**Singapore		Luxembourg	Rest of Western Africa
Thailand		Malta	Central Africa
Viet Nam		Netherlands	South Central Africa
Rest of Southeast Asia		Poland	Ethiopia
Bangladesh		Portugal	Kenya
India		Slovakia	Madagascar
Nepal		Slovenia	**Malawi
**Pakistan		Spain	Mauritius
Sri Lanka		Sweden	**Mozambique
Rest of South Asia		United Kingdom	*Rwanda
Canada		Switzerland	**Tanzania, United Republic of
United States of America		**Norway	Uganda
Mexico		Rest of EFTA	**Zambia
Rest of North America		Albania	Zimbabwe
Argentina		Bulgaria	Rest of Eastern Africa
Bolivia		**Belarus	Botswana
**Brazil		Croatia	Namibia
Chile		Romania	South Africa
**Colombia		Russian Federation	Rest of South African Customs Union
Ecuador		Ukraine	Rest of the World
**Paraguay		Rest of Eastern Europe	
Peru		Rest of Europe	SECTORS
Uruguay		Kazakhstan	Paddy rice
Venezuela		Kyrgyzstan	Wheat
Rest of South America		Rest of Former Soviet Union	Cereal grains nec
Costa Rica		Armenia	Vegetables, fruit, nuts
Guatemala		Azerbaijan	Oil seeds
Honduras		Georgia	Sugar cane, sugar beet
Nicaragua		Bahrain	Plant-based fibers
Panama		Iran, Islamic Republic of	Crops nec
El Salvador		Israel	Bovine cattle, sheep and goats, horses
Rest of Central America		*Jordan	Animal products nec
*Dominican Republic		Kuwait	Raw milk
*Jamaica		Oman	Wool, silk-worm cocoons
*Puerto Rico		Qatar	
*Trinidad and Tobago		Saudi Arabia	
			Forestry
			Fishing
			Coal
			Oil
			Gas
			Minerals nec
			Bovine meat products
			Meat products nec
			Vegetable oils and fats
			Dairy products
			Processed rice
			Sugar
			Food products nec
			Beverages and tobacco products
			Textiles
			Wearing apparel
			Leather products
			Wood products
			Paper products, publishing
			Petroleum, coal products
			Chemical, rubber, plastic products
			Mineral products nec
			Ferrous metals
			Metals nec
			Metal products
			Motor vehicles and parts
			Transport equipment nec
			Electronic equipment
			Machinery and equipment nec
			Manufactures nec
			Electricity
			Gas manufacture, distribution
			Water
			Construction
			Trade
			Transport nec
			Water transport
			Air transport
			Communication
			Financial services nec
			Insurance
			Business services nec
			Recreational and other services
			Public Administration, Defense, Education, Health
			Dwellings

Notes



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