

Curriculum vitae (short form): Glyn Wittwer

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Qualifications:

Ph.D., The University of Adelaide, 2000

B.Ec. (Hons.), The University of Adelaide, 1991

B.A., The University of Adelaide, 1989

Assoc. Dip. Radiological Technology, SAIT, 1979.

Experience in economics:

Current position: Professorial Fellow, Centre of Policy Studies, Victoria University.  
Post-doctoral Fellow and Ph.D. candidate, Centre for International Economic Studies, The University of Adelaide, 1998 to 2001.

Previous employment as economist at:

The South Australian Centre for Economic Studies, 1995 to 1998;

Bureau of Industry Economics, 1994 to 1995;

Industry Commission, 1992 to 1994;

ABARE, 1991 to 1992.

Areas of research interest

CGE modelling

Primary industries

Regional economics

Academic publications since 2012:

Anderson, K. and Wittwer, G. (2017), "The UK and global wine markets by 2025, and implications of Brexit", *Journal of Wine Economics*, 12(2):?-?.

Anderson, K., Francois, J., Nelson, D. and Wittwer, G. (2016), "Intra-Industry Trade in a Rapidly Globalizing Industry: The Case of Wine", *Review of International Economics*, 24(4):820-836.

Anderson, K. and Wittwer, G (2015), "Asia's evolving role in global wine markets", *China Economic Review*, 35(3):1-14.

Wittwer, G and Banerjee, O. (2015), "Investing in irrigation development in North West Queensland, Australia", *Australian Journal of Agricultural and Resource Economics*, 59(2):189-207.

Wittwer, G. and Dixon, J. (2013), "Effective use of public funding in the Murray-Darling Basin: a comparison of buybacks and infrastructure upgrades", *Australian Journal of Agricultural and Resource Economics* 57(3):399-421.

Wittwer, G. (2013), "Urban Water Management in Response to Prolonged Droughts and Urban Growth", *Economic Papers*, 32(1): 41–50.

Anderson, K. and Wittwer, G. (2013), “Modeling Global Wine Markets to 2018: Exchange Rates, Taste Changes, and China’s Import Growth”, *Journal of Wine Economics*, 8(2): 131–158.

Qureshi, M.E., Proctor, W., Young, M. and Wittwer, G. (2012), “The Economic Impact of Increased Water Demand in Australia: A Computable General Equilibrium Analysis”, *Economic Papers*, 31(1): 87–102.

#### Books chapters

Wittwer, G., Dixon, J. and Madden, J. (2017), “Beyond Regional Input–Output Modeling”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp 1-18.

Wittwer, G. (2017), “Agriculture and Mining in Regional United States”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 21-40.

Wittwer, G. (2017), “Manufacturing Industries in the United States”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 41-64.

Wittwer, G. (2017), “Regional Electricity Supply in the United States”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 65-81.

Wittwer, G. (2017), “Regional Health Care, Education, International Trade, Other Services and Household Consumption”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 83-97.

Wittwer, G. (2017), “Tourism and Transport in a CGE Model and an Illustrative Application”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 99-112.

Wittwer, G. (2017), “Preparing a Database for Dynamic CGE Modeling”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 154-171.

Horridge, M. and Wittwer, G. (2017), “Top-Down Extensions to Represent Counties and Congressional Districts and Moving to Bottom-Up”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 173-192.

Wittwer, G. (2017), “Modeling California’s Drought”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 195-210.

Dixon, P., Rimmer, M. and Wittwer, G. (2017), “The Economic Effects of a Hypothetical Nuclear Attack on Downtown LA”, in Wittwer, G. (ed.), *Multi-Regional Dynamic General Equilibrium Modeling of the U.S. Economy, USAGE-TERM Development and Applications*, pp. 211-227.

Dixon, P., Rimmer, M., Wittwer, G., Rose, A. and Heatwole, N. (2017), “Economic consequences of terrorism and natural disasters: the Computable General equilibrium approach”, in A. Abbas, D. von Winterfeldt and M. Tambe (editors), *Improving Homeland Security Decisions*, CREATE Handbook, Cambridge University Press, forthcoming, accepted for publication January 27, 2016.

Wittwer, G. (2012), “Practical Policy Analysis Using TERM”, Chapter 1 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

Wittwer, G. and Verikios, G. (2012), “Introducing Dynamics to TERM”, Chapter 3 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

Dixon, P., Rimmer, M. and Wittwer, G. (2012), “The Theory of TERM-H2O”, Chapter 5 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

Dixon, P., Rimmer, M. and Wittwer, G. (2012), “Buybacks to Restore the Southern Murray-Darling Basin”, Chapter 6 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

Wittwer, G. and Griffith, M. (2012), “The Economic Consequences of Prolonged Drought in the Southern Murray-Darling Basin”, Chapter 7 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

Wittwer, G. (2012), “Urban Water Supply: A Case Study of South-East Queensland”, Chapter 8 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

Wittwer, G. (2012), “Applying TERM-H2O to Other Countries”, Chapter 9 in G. Wittwer (ed.), *Economic Modeling of Water, The Australian CGE Experience*, Springer, Dordrecht, Netherlands.

#### Projects undertaken at CoPS since 2014

Impacts of infrastructure upgrades in Murrumbidgee region. Marsden Jacobs. 2017

Preparation of aggregation and dynamic baseline for mining investment scenarios. PwC. 2017.

Cyclone impact and state development scenarios. Queensland DSD. 2017.

Gas and electricity price hikes in Victoria Department of Economic Development, Jobs, Transport and Resources. 2017.

(continuing) Updating the national and VU-TERM CGE databases and introducing a treatment of tourism. NSW Dept of Premier and Cabinet. 2017

(continuing) USAGE-TERM Models of Economic Effects of Electricity Outages. MITRE Corporation (USA). 2017.

USAGE-TERM preparation for USITC (with P. Dixon and M. Rimmer). 2017

Australian Education City investments. PwC. 2016.

Development of USAGE-TERM for adverse events analysis (with P. Dixon and M. Rimmer). Department of Homeland Security, Washington DC. 2016.

Project analysis and CGE instruction for Department of Industry (Orange), NSW. 2016-2017.

Job impacts of nickel mine closure in Townsville region. For QIC. 2016.

SinoTERM model development for Shenzhen's long-term strategy (for Prof. Dong). 2016.

Construction of the Computable General Equilibrium (CGE) model used to model the economic impacts of skills shortages. Project for NSW Trade and Investment (with Janine Dixon plus contributions from Mark Horridge and Michael Jerie). 2015.

The economic effects of hydropower development in China. Study for China Institute of Water Resources and Hydropower Research (with Xiujuan Peng). 2015.

Australia's Wine Equalization Tax (WET): Impacts of Reforming its Rebate Scheme. For Pernod Ricard and Treasury Wine Estates (with Kym Anderson, University of Adelaide). 2015.

Partial reform of penalty rates in restaurants. Project for PriceWaterhouseCoopers on behalf of the Hotels Association (with Rob Waschik). 2015.

Socio-economic analysis of Great Australian Bight and surrounding regions. Project for Adelaide Research & Innovation/BP. 2015.

The economic consequences of hypothetical curfew options on Perth Airport for the economies of Perth, the rest of WA, and the rest of Australia. Report for Jacobs Engineering Group. 2015.

Investment impacts in regional Victoria. PricewaterhouseCoopers (Melbourne). February 2014.

NAFTA20 Modelling Project Canadian Department of Foreign Affairs and International Trade. May 2014 (with P. Dixon and M. Rimmer).

Victoria transport options. PricewaterhouseCoopers (Sydney). May 2014.

Northern Territory infrastructure projects. KPMG (Sydney). August 2014.

Gambling scenarios in Tasmania. Allen Consulting Group. August 2014.

Education and transport infrastructure in Melbourne's west. PricewaterhouseCoopers (Melbourne). July 2014.

Modelling the economic impacts of changing SA Water pricing. Essential Services Commission of South Australia. June 2014.