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Heinrich Bohlmann

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PROFILE

Dr. Heinrich Bohlmann holds a PhD in Economics from Monash University in Melbourne, Australia and an M.Com in Economics of Trade and Investment from the University of Pretoria. He is currently employed as a Senior Lecturer in the Department of Economics at the University of Pretoria 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 research and training projects to clients such as the World Bank, South Africa's National Treasury, Gauteng Provincial Government, Eskom and the Council for Scientific and Industrial Research. His academic and contract work has mainly focused on macroeconomic planning, energy and environmental policy, and labour market topics.

In addition to his research activities, Dr. Bohlmann teaches and coordinates undergraduate macroeconomics and postgraduate CGE modelling courses at the University of Pretoria, and professional short courses in CGE modelling via Enterprises UP. Previously, he has also lectured undergraduate microeconomics and development economics courses at the University of Pretoria, summer session courses in microeconomics at Fordham University, and assisted with microeconomics and sports economics courses at Monash University.

During the course of his academic career, Dr. Bohlmann has presented papers at several local and international conferences, published research in renowned academic journals and served as a panel discussant at various workshops. He further supervises PhD students and postgraduate research essays, serves as a referee to numerous journals and acts as an external examiner for economics courses at other South African universities. Dr. Bohlmann is currently a member of and serving on the council of the Economic Society of South Africa (ESSA) and the South African Association for Energy Economics (SAAEE).

Since joining the Department of Economics in 2011, Dr. Bohlmann has been a key member of the team that maintains and develops the University of Pretoria General Equilibrium Model (UPGEM), implemented on the GEMPACK software platform. UPGEM has been widely used in academic and contract research projects and underpins the CGE training courses offered by the Department. In 2015, Dr. Bohlmann was awarded the inaugural Ken Pearson Scholarship by the Centre of Policy Studies and Center for Global Trade Analysis in recognition of his status as a young researcher contributing to the use and development of analytical software for CGE modelling.

EDUCATION

Doctor of Philosophy (PhD) Economics, Centre of Policy Studies, Monash University, 2011

PhD in Economics, with specialisation in CGE modelling, from the Centre of Policy Studies at Monash University in Melbourne, Australia with a thesis titled Labour and Migration Policy in South Africa, completed under the supervision of Prof. Peter Dixon. The Centre of Policy Studies moved to Victoria University in 2014.

Master of Commerce (M.Com) Economics of Trade and Investment, University of Pretoria, 2006

Bachelor of Commerce Honours (B.Com Hons) Economics, University of Pretoria, 2003

Bachelor of Commerce (B.Com) Economics, University of Pretoria, 2002

Certificate in International Trade Modelling with GTAP, Centre of Policy Studies, 2007

Certificate in Practical General Equilibrium Modelling, Centre of Policy Studies, 2006

Certificate in Entrepreneurship Skills, Potchefstroomse Universiteit vir Christelike Hoër Onderwys, 1998

ACADEMIC AND VISITING POSITIONS

Senior Lecturer, Department of Economics, University of Pretoria, 2013 –

Visiting Researcher, Centre of Policy Studies, Victoria University, 2017

Visiting Professor, Department of Economics, Fordham University, 2013

Assistant Lecturer, Department of Economics, Monash University, 2007-2010

Researcher, African Institute for Economic Modelling, University of Pretoria, 2006-2007

Lecturer, Department of Economics, University of Pretoria, 2005-2007; 2011-2012

TEACHING

Applied General Equilibrium Modelling EKN819 (Lecturer and Coordinator), University of Pretoria, 2012 –

Intermediate Macroeconomics EKN214/234 (Lecturer and Coordinator), University of Pretoria, 2012 –

Introduction to Dynamic CGE Modelling (Instructor and Course Leader), Enterprises UP, 2012 –

Regional General Equilibrium Modelling (Instructor), Centre of Policy Studies and Enterprises UP, 2017-18

Intermediate Microeconomics EKN224 (Lecturer and Coordinator), University of Pretoria, 2011-2013

Basic Microeconomics ECON1200 Summer Session (Lecturer), Fordham University, 2013

Consumer Choice, Utility Theory and Insurance (Ad Hoc Lecturer), Monash University, 2010

Intermediate Microeconomics ECC2000 (Assistant Lecturer), Monash University, 2008-2010

Sports Economics ECC2450 (Assistant Lecturer), Monash University, 2007-2010

Development Economics EKN225 (Lecturer and Coordinator), University of Pretoria, 2005-2006

Introductory Economics EKN110/120 (Lecturer), University of Pretoria, 2005-2006

SELECTED ACADEMIC RESEARCH

2019. Economy-Wide Effects of Drought Induced Productivity Losses (with Nicholas Kilimani, Jan van Heerden and Louise Roos). *Disaster Prevention and Management*, 28.

2018. Estimating Trade Elasticities for South Africa's Agricultural Commodities for Use in Policy Modelling (with Sifiso Ntombela and Mmatlou Kalaba). *Agrekon*, 57.

2018. Regional Economic Effects of Changes in South Africa's Electricity Generation Mix (with Mark Horridge, Roula Inglesi-Lotz, Louise Roos and Lardo Stander). ERSA Working Paper No. 756. *Economic Research Southern Africa*, Cape Town.

2016. The Economic and Environmental Effects of a Carbon Tax in South Africa: A Dynamic CGE Modelling Approach (with Jan van Heerden and James Blignaut). *South African Journal of Economic and Management Sciences*, 19:714-732.

2016. An Economy-Wide Evaluation of New Power Generation in South Africa: The Case of Medupi and Kusile (with Jessika Bohlmann, Roula Inglesi-Lotz and Jan van Heerden). *Energy Policy*, 97:450-460.

2016. Water Resource Accounting for Uganda: Use and Policy Relevancy (with Nicholas Kilimani and Jan van Heerden). *Water Policy*, 18:161-181.

2016. Quantifying Shifts in Primary Factor Demand in the South African Economy (with Marthinus Breitenbach). *Development Southern Africa*, 33:286-296.

2015. The Impact of the 2014 Platinum Mining Strike in South Africa: An Economy-Wide Analysis (with Peter Dixon, Maureen Rimmer and Jan van Heerden). *Economic Modelling*, 51:403-411.

2015. Water Taxation and the Double Dividend Hypothesis (with Nicholas Kilimani and Jan van Heerden). *Water Resources and Economics*, 10:68-91.

2012. Reducing Illegal Immigration to South Africa: A Dynamic CGE Analysis. ERSA Working Paper No. 274. *Economic Research Southern Africa*, Cape Town.

2008. Predicting the Economic Impact of the 2010 FIFA World Cup (with Jan van Heerden). *International Journal of Sports Management and Marketing*, 3:383-396.

PROJECT AND CONTRACT RESEARCH

2017-2018. Development of a Regional Computable General Equilibrium Model for South Africa (with Jan van Heerden, Mark Horridge, Philip Adams and Louise Roos). Project for Gauteng Provincial Treasury.

2017-2018. The Economic Impact of Hosting the 2018 World Choir Games (with Elizabeth du Preez, Andrea Saayman, Jessika Bohlmann and Lardo Stander). Report prepared for the University of Pretoria and INTERKULTUR.

2017. Evaluating the Economic, Health and Social Impacts of the Proposed Liquor Amendment Bill (with Genesis Analytics). Report prepared for NEDLAC.

2016. Sectoral Analysis and Scenarios for Economic Development in the Gauteng City-Region. Report prepared for the Gauteng Office of the Premier.

2016. Development of an Integrated Economic Model for Multi-Sector Analysis. Report prepared for the Council for Scientific and Industrial Research.

2013-2014. The South African Carbon Tax: An Economic Analysis (with Jan van Heerden, James Blignaut, Anton Cartwright, Nicci Diederichs and Myles Mander). Project for National Treasury and World Bank Group.

2012-2016. Dynamic CGE Modelling of the Economic Impact of Cost Reflective Electricity Pricing and of Various Price Paths to achieve such Pricing over the Medium Term (with Jan van Heerden). Project for Eskom Research, Testing and Development.

2007. Higher Education Impact: Universities in the South African Economy (with Jan van Heerden, James Giesecke, Albert Makochekanwa and Louise Roos). Publication for Higher Education South Africa.

2007. Integrated Social Development as the Accelerator of Shared Growth: Focus on Key Economic Issues No. 55 (with Charlotte du Toit, Rangan Gupta and Nick Schoeman). Publication for the Bureau for Economic and Policy Analysis, University of Pretoria.

PHD SUPERVISION

Nicholas Kilimani, Department of Economics, 2012-2015 (with Jan van Heerden)
 Sifiso Ntombela, Department of Agricultural Economics, 2015-2018 (with Mmatlou Kalaba)
 Evelyn Thsehla, Department of Economics, 2015-2019 (with Steve Koch)
 Francois Stofberg, Department of Economics, 2015-2019 (with Jan van Heerden)
 Bokang Vumbukani-Lepolesa, Department of Economics, 2018-2021 (with Jan van Heerden)

CONFERENCE AND WORKSHOP PRESENTATIONS

Economic Society of South Africa Biennial Conference – South Africa, 2005, 2009-2017
 South African Association for Energy Economics Modelling Workshop – Pretoria, 2018
 South African Association for Energy Economics Let's Talk Energy (Moderator) – Johannesburg, 2018
 Inbound Economic Modelling and Benchmarking Study – City of Tshwane, 2018
 Public Sector Economist Forum – East London, 2017
 International Association for Energy Economics Summit – Pretoria, 2017
 World Bank Partnership for Market Readiness Technical Workshop – San Jose, Costa Rica, 2016
 National Treasury Carbon Tax Workshop – Pretoria, South Africa, 2016
 Public Sector Economist Forum – Rustenburg, 2016
 International Conference in Applied Theory, Macro and Empirical Finance – Thessaloniki, Greece, 2016
 GTAP Conference on Global Economic Analysis – Melbourne, Australia, 2015
 South African Statistical Association Conference – Pretoria, South Africa, 2011
 PhD Conference in Economics and Business – Canberra, Australia, 2010

AWARDS AND GRANTS

Knowledge Interchange and Collaboration Grant, National Research Foundation, 2016
 Ken Pearson Scholarship, GTAP Conference, 2015
 Research Development Programme Grant, University of Pretoria, 2013-2015
 Department of Economics Postgraduate Teaching Award, University of Pretoria, 2012
 Faculty of Business and Economics Scholarship, Monash University, 2008-2010
 Carnegie Foundation Scholarship, University of Pretoria, 2005-2006