

# HAO (DAVID) CUI

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Research Economist

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## ACADEMIC QUALIFICATIONS

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Ph.D. in Economics, Monash University, Australia 2011

M. Econ., Jilin University, China 1999

## EMPLOYMENT HISTORY

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- **2017 - present, Research Economist, Wageningen Economic Research, Wageningen University & Research, Netherlands**  
Conducting research on economic, environmental and policy issues using MAGNET - a multisector, multiregion, computable general equilibrium (CGE) model of the world economy.
- **2015 – 2017, Post-Doctoral Research Associate, Department of Agricultural Economics, Purdue University, United States**  
Conducting research on energy and environment issues using GTAP-BIO - a multisector, multiregion, CGE model of the world economy with explicit modelling of biofuels and land use change.
- **2011 - 2015, Research Economist, Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), Australian Department of Agriculture, Australia**  
Conducting policy-oriented economic research on energy, climate change, and agricultural trade using dynamic CGE models - Global Trade and Environment Model (GTEM), Australian Regional Model (AusRegion), Victoria University Regional Model (VURM, formerly known as MMRF), and a partial equilibrium model – AgEmissions.
- **2008 - 2009, Senior Analyst, Fuel Group, Australian Competition and Consumer Commission, Australia**  
Conducting policy-oriented econometric analysis on Australia's transport energy industry and international energy markets.
- **2008 - 2008, Tutor, Department of Economics, Monash University, Australia**  
Tutoring undergraduate students in labour economics.
- **1999 – 2004, Assistant Research Fellow (incl. two year internship), Institute of Industrial Economics, Chinese Academy of Social Sciences, China**  
Conducting economic research on China's industrial development and international trade.

## RESEARCH PUBLICATIONS

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1. Kuiper, Marijke and Hao David Cui. 2020. Using food loss reduction to reach food security and environmental objectives: A search for promising leverage points. *Food Policy*. <https://doi.org/10.1016/j.foodpol.2020.101915>.
2. Latka, Catharina, Marijke Kuiper, Stefan Frank, Thomas Heckeley, Petr Havlik, Heinz-Peter Witzke, Adrian Leip, Hao David Cui, Anneleen Kuijsten, Elly Mertens, Pieter van Veer, Michiel van Dijk. 2020. Paying the price for environmentally sustainable and healthy EU diets. *Global Food Security*. Forthcoming.
3. Hao David Cui, Caitlyn Carrico, and Andrzej Tabeau, 2020. Capturing HS level trade flows in MAGNET. Technical research report submitted to the Joint Research Centre, European Commission.
4. Hao David Cui. 2020. Synergies and trade-offs in SSP2 pathway to sustainable future: a regional analysis. Research report for KB project. Wageningen Economic Research.
5. Kuiper, Marijke and Hao David Cui. 2019. Reducing food loss and waste to reach food security and environmental objectives: Identifying leverage points through a CGE analysis. Background paper for *The State of Food and Agriculture (SOFA) 2019*. Food and Agriculture Organization of the United Nations, Rome.
6. Cui, Hao David, Marijke Kuiper, and Andrzej Tabeau. 2019. MAGNET baseline calibration. Technical research report submitted to the Joint Research Centre, European Commission.
7. Cui, Hao David, TJ Achterbosch, MH Kuiper, LJ Shutes, AA Tabeau, Catharina Latka, Petr Havlík, Stefan Frank, & Adrian Leip. 2019. Resumé on performance of EU food systems towards European FNS and SDGs. Research report for Fit4Food 2030, a European Union's Horizon 2020 research and innovation programme under grant agreement No. 774088.
8. Frank, Stefan, Catharina Latka, P Havlik, MH Kuiper, M van Dijk, TJ Achterbosch, Hao David Cui, JM Geleijnse, Aniek Hebinck, & Thomas Heckeley. 2019. Foresight of EU sustainable food and nutrition security: the interplay between major challenges and policy responses at different spatiotemporal scales. Research report for SUSFANS D10.4.
9. Cui, Hao David, Marijke Kuiper, Hans van Meijl, and Andrzej Tabeau. 2018. Climate change and global market integration: Implications for global economic activities, agricultural commodities, and food security. Background paper for *The State of Agricultural Commodity Markets (SOCO) 2018*. Food and Agriculture Organization of the United Nations, Rome. <http://www.fao.org/3/CA2332EN/ca2332en.pdf>.
10. Latka, Catharina, Thomas Heckeley, Miroslav Batka, Esther Boere, Chiao-Ya Chang, Hao David Cui, Marianne Geleijnse, Petr Havlík, Anneleen Kuijsten, & Marijke Kuiper. 2018. The potential role of producer and consumer food policies in the EU to sustainable food and nutrition security. Research report for SUSFANS D10.3.

11. Frank, Stefan, M van Dijk, P Havlik, Hao David Cui, Thomas Heckelei, MH Kuiper, Catharina Latka, Heinz-Peter Witzke, & TJ Achterbosch. 2018. Quantified future challenges to sustainable food and nutrition security in the EU: Research report for SUSFANS D10.2.
12. Cui, Hao and Wallace E. Tyner. 2017. Modelling Land Intensification Response in GTAP: Implications for Biofuels Induced Land Use Change and GHG Emissions. GTAP 2017 Annual Conference Paper.  
[https://www.gtap.agecon.purdue.edu/resources/res\\_display.asp?RecordID=5287](https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=5287)
13. Farzad Taheripour, Hao Cui, and Wallace E. Tyner, 2017. The Economics of Biofuels. in Gail Cramer, Ashok Mishra, Krishna Paudel, and Andrew Schmitz (eds.), *The Routledge Handbook of Agricultural Economics*.  
<https://www.taylorfrancis.com/books/e/9781315623351/chapters/10.4324/9781315623351-34>
14. Taheripour, Farzad, Hao Cui, & Wallace E Tyner. 2017. An Exploration of agricultural land use change at the intensive and extensive margins: implications for biofuels induced land use change. *Bioenergy and Land Use Change*, 19-37.  
<https://agupubs.onlinelibrary.wiley.com/doi/10.1002/9781119297376.ch2>
15. Cui, Hao and Ahmed Hafi, *Economic Impacts of a Hypothetical BSE outbreak in Australia*, Research Report, Australian Bureau of Agricultural and Resource Economics and Sciences, July 2015, pp.1-23.
16. Ash, Andrew, Trish Gleeson, Hao Cui, Murray Hall, Edwina Heyhoe, Andrew Higgins, Garry Hopwood, Neil MacLeod, Dean Paini, Hom Pant, Perry Poulton, Di Prestwidge, Tony Webster, Peter Wilson, *Northern Australia: Food & Fibre Supply Chains Study Project Report*, CSIRO and ABARES, Australian Government, August 2014, pp.1-290.
17. Cui, Hao, Hom Pant, Kyann Zhang, Edwina Heyhoe, and Helal Ahammad, *Climate Change, Trade Liberalisation, and Implications for Australian Agricultural Trade*, Report to Trade and Market Access Division, Australian Department of Agriculture, Australian Bureau of Agricultural and Resource Economics and Sciences, 2014, pp.1-77. Presented at *National CGE Modelling Workshop 2013*, Centre of Policy Studies, Monash University, Australia, and *Singapore – China Energy Forum 2016*, Energy Studies Institute, National University of Singapore, Nov. 2016.
18. Cui, Hao, *Compiling Electricity Generation Data Base in Global Trade and Environment Model (GTEM)*, Technical documentation prepared for Australian Government Productivity Commission, Australian Bureau of Agricultural and Resource Economics and Sciences, July 2013, pp.1-7.
19. Pant, Hom, Edwina Heyhoe, and Hao David Cui, *The Implications of a Bunker Fuel Charge on Australia's Trade Competitiveness*, Report to Australian Department of Climate Change and Energy Efficiency, Australian Bureau of Agricultural and Resource Economics and Sciences, 2012, pp.1-44.
20. Cui, Hao. 2010. *Increasing Returns, Transaction Efficiency, and Welfare Analysis*, PhD Thesis, Monash University.

21. Cui, Hao, *Asymmetric Response of Retail Automotive LPG Prices in Australia to Changes in Saudi Benchmark Price*, research report, presented at Financial Modelling and Economics Group seminar, Australian Competition and Consumer Commission, May 2009, pp.1-19.
22. Cui, Hao, *Competition in Price Cycles: Leading Retailers and Retailer Groups in Australian Petrol Markets*, research report, presented at Regulation, Access & Price Monitoring seminar, Australian Competition and Consumer Commission, Nov. 2008, pp.1-6.
23. Cui, Hao, "Increasing Returns and Industrial Policies across Regions", *Proceedings of the Twelfth Annual Doctoral Research Conference*, Oct. 2007, Faculty of Business and Economics, Monash University, pp. 61-72.
24. Cui, Hao, "Recent Developments in the Comparative Advantage Theory," *Economic Perspectives*, Dec. 2003, pp. 64-68. (In Chinese)
25. Cui, Hao, "Market Opening up, Comparative Advantage Evolution, and Changes in China's Industrial Technology," Research report, presented at *Inframarginal Economics: International Trade and Economic Development International Academic Conference*, Xiangtan, China, Oct. 2003. (In Chinese)
26. Cui, Hao, "China's Textile and Clothing Industry: Advantages in Division of Labour and the Evolution," *China Economic & Trade Herald*, Sep. 2003, pp.15-16. (In Chinese)
27. Cui, Hao, "The Comparative Advantage of China's Textile and Clothing Industry in Global Division of Labour and Its Dynamics," in Zheng Lv ed., *China's Industrial Development Report 2003*, Economic Management Publishing House, pp.153-165. (In Chinese)
28. Cui, Hao, "The Impacts of Accession to the WTO on China's Textile and Clothing Industries and Policy Implications," in Kesha Guo ed., *China's Industry since Accession to the WTO*, Economic Management Publishing House, January 2003, pp.265-308. (In Chinese)
29. Cui, Hao, "The Impacts of Accession to the WTO on Foreign Trade of China's Manufacturing Industries," in Kesha Guo ed., *China's Industry since Accession to the WTO*, Economic Management Publishing House, January 2003, pp.353-393. (In Chinese)
30. Cui, Hao, "Infrastructure Investment and Foreign Trade of Manufacturing Industries: Theory and Evidence from China," in Yanzhong Wang ed., *Infrastructure and China's Manufacturing Industry Development*, Beijing: China Social Science Press, Oct. 2002, pp.140-163. (In Chinese)
31. Cui, Hao, "The Impacts of Accession to the WTO on China's Textile Industry and Policy Implications," in Zheng Lv ed., *China's Industrial Development Report 2002*, Economic Management Press, July 2002, pp.229-243. (In Chinese)
32. Cui, Hao, "Accession to the WTO and Foreign Trade of China's Machinery and Electronics Industries," *China Industrial Economy*, No.2 2002, pp.39-46. (In Chinese)

33. Wang, Yanzhong, Houkai Wei, Ying Zhao, Dan Shi, Xiaoxia Xie, Tie Lv, Weifu Zhou, Li Dong, and Hao Cui, "Infrastructure Investment and Manufacturing Industry Development," *Economic Research Journal*, No.2 2002, pp.37-47. (In Chinese)
34. Cui, Hao, "Technological Progress in China's Equipment Industry and Foreign Trade," in Dan Shi ed., *Technological Progress in China's Equipment Industry*, Economic Science Press, August 2001, pp.190-221. (In Chinese)
35. Cui, Hao, "Imports and Exports of China's Manufactured Goods: the Status Quo and Future Trend," in Zheng Lv ed., *China's Industrial Development Report 2001*, Economic Management Press, June 2001, pp.52-65. (In Chinese)
36. Cui, Hao, "Foreign Trade in China's Manufacturing Industry since Accession to the WTO," *Technical Supervision for Practice*, No.2 2001, pp.7-12. (In Chinese)
37. Cui, Hao, "Hubei Provincial and Wuhan Urban Industrial Development Strategy," in Jingwen Li ed., *Hubei Provincial Economic Development Strategy at the Beginning of the 21st Century*, Research Report, Chinese Academy of Social Sciences, Oct. 2000, pp. 1-15. (In Chinese)
38. Cui, Hao, "Survival and Beyond: the Development Strategy of China Lingyun Industrial Group," *Economic Management*, No.9 2000, pp.29-31. (In Chinese)
39. Li Dong and Hao Cui, "China's Textile Industry: A Farewell to Deficits," in Zheng Lv ed., *China's Industrial Development Report 2000*, Economic Management Press, Jun. 2000, pp.220-235. (In Chinese)
40. Cui, Hao, "Key Issues of the State-Owned Institutions," *College Journal of Economic Management*, No.2 1999, pp.8-10. (In Chinese)
41. Cui, Hao, *Towards an Organizational Diversity in State Ownership*, Master's Degree Thesis, Jilin University, Dec. 1998. (In Chinese)
42. Cui, Hao, "Market Structure: Economies of Scale and Scope," in Di Xie ed., *Economics of Industrial Organization*, Jilin University Press, May 1998, pp.130-163. (In Chinese)
43. Cui, Hao, "External Challenges for Market-Oriented Reform of China's State-Owned Assets and Policy Implications," *Social Science Exploration*, No.3 1997, pp.27-30. (In Chinese)