

# HAO (DAVID) CUI

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Research Economist  
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## EMPLOYMENT

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- **09/2017 - present, Research Economist, International Policy Group, Wageningen Economic Research, Wageningen University & Research, Netherlands**
  - Conducting economic research on trade policies (e.g. decoupling and free trade agreements) and the relationship between trade and other policy-related issues such as global value chains (GVCs), imperfection competition, carbon tax pass-through, climate change, global pandemic, food security, and public investment.
  - Working with MAGNET - a GTAP-based modularized CGE model, including scenario preparation and simulation, database maintenance and extension, module addition and integration, model calibration and consolidation, and report writing and presentation.
  - Collaborating with external research partners including international organizations such as the Food and Agriculture Organization of the United Nations (FAO) and the Joint Research Centre of the European Commission (JRC).
  - Providing training and support to new CGE researchers inside and outside the organization.
- **11/2015 – 09/2017, Post-Doctoral Research Associate, Center for Global Trade Analysis, Department of Agricultural Economics, Purdue University, United States**
  - Conducted economic research on policy issues related to energy and climate change particularly biofuels and land use change.
  - Worked with GTAP-BIO - a GTAP model variant with extended modelling of biofuels and land use.
- **01/2011 – 11/2015, Research Economist, Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), Australian Department of Agriculture and Water Resources, Australia**
  - Conducted policy-oriented economic research on agri-food trade and its linkages with climate change, infrastructure investment, and epidemic.
  - Prepared expert analytical reports to senior management for cabinet hearings.
  - Worked mainly with Global Trade and Environment Model (GTEM) – a GTAP-based recursively dynamic CGE model of the world economy.
- **06/2008 – 06/2009, Senior Analyst, Fuel Group, Australian Competition and Consumer Commission, Australia**

- Conducted econometrics-based regulatory analysis on Australia's transport energy markets and provided policy briefings to senior management.
- **02/2008 – 05/2008, Tutor, Department of Economics, Monash University, Australia**
  - Tutored five classes of undergraduate students in labour economics.
- **07/1999 – 06/2004, Assistant Research Fellow (incl. two-year internship), Institute of Industrial Economics, Chinese Academy of Social Sciences, China**
  - Conducted economic and policy research on China's industrial development and international trade, including China's accession to the WTO.

## EDUCATION AND TRAINING

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**03/06/2019 – 07/06/2019** Course in dynamic general equilibrium modelling: Forecasting and policy analysis, Centre of Policy Studies, Victoria University. Course location: Washington D.C., United States

**06/08/2016 – 12/08/2016** 24th Annual Short Course in Global Trade Analysis, Center for Global Trade Analysis, Purdue University. Course location: West Lafayette, United States

**26/11/2012 – 30/11/2012** TERM CGE Modelling Course, Centre of Policy Studies, Monash University. Course location: Sydney, Australia

**06/2004 – 11/2010** (incl. one year intermission 06/2008-06/2009) Ph.D. in Economics, Monash University, Australia

**09/1996 – 07/1999** M. Econ. in Political Economics, Jilin University, China

**09/1992 – 07/1996** B. Econ. in International Trade, Jilin University, China

## PUBLICATIONS

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1. Cui, Hao David, Ilaria Fusacchia and Luca Salvatici. 2024. [Impacts of EU-China Trade Decoupling on Global Value Chains: Insights from a CGE Model Analysis](#). Report for research project: [Better Agri-Food Trade Modelling for Policy Analysis \(BATModel\)](#), funded by the European Union's 2020 Horizon Research and Innovation Programme (Grant # 861932).

2. Cui, Hao David. 2024. [Armington-Krugman-Melitz Module for GTAP v7](#). Documentation for trade modules developed under research project: [Better Agri-Food Trade Modelling for Policy Analysis \(BATModel\)](#), funded by the European Union's 2020 Horizon Research and Innovation Programme (Grant # 861932). Module code downloadable [here](#).

3. Cui, Hao David. 2024. [Global Value Chains module](#). Documentation for trade modules developed under research project: [Better Agri-Food Trade Modelling for Policy Analysis \(BATModel\)](#), funded by the European Union's 2020 Horizon Research and Innovation Programme (Grant # 861932). Module code downloadable [here](#).

4. Cui, Hao David and Zuzana Smeets-Kristkova. 2024. [An investment determination mechanism with segmented capital markets](#). Paper presented at the 27<sup>th</sup> Annual

Conference on Global Economic Analysis (hosted by Center for Global Trade Analysis, Purdue University), Colorado State University, United States.

5. Cui, Hao David, Zuzana Smeets Křístková<sup>1</sup>, Bartłomiej Rokiki, and Antti Simola. 2024. Towards balanced, consistent, and flexible capital stock accumulation in multiannual-step recursive dynamics. Research paper, Wageningen Economic Research and Joint Research Centre, European Commission.
6. van Meijl, Hans, Heleen Bartelings, Siemen van Berkum, Hao David Cui, Zuzana Smeets Kristkova, and Willem Jan van Zeist. 2024. [The Russia-Ukraine war decreases food affordability but could reduce global greenhouse gas emissions](#). *Communications Earth & Environment* 5, no. 1: 59.
7. Haverty, Michael, Zuzana Smeets Kristkova, Hao David Cui, and James Webster. 2022. [Analysis on the impact of future UK FTA scenarios on Scotland's agricultural food and drink sector](#). Research report prepared for the Scottish Government, United Kingdom.
8. Latka, Catharina, Marijke Kuiper, Stefan Frank, Thomas Heckeley, Petr Havlík, Heinz-Peter Witzke, Adrian Leip, Hao David Cui, Anneleen Kuijsten, Elly Mertens, Pieter van Veer, Michiel van Dijk. 2021. [Paying the price for environmentally sustainable and healthy EU diets](#). *Global Food Security* 28.
9. Smeets-Kristkova, Zuzana and Hao David Cui, 2021. The Green Deal investment modelling in MAGNET. Chapter in Smeets-Kristkova, Zuzana, Hao David Cui, Hugo Ferrer Pérez, María Pilar Gracia de Rentería, George Philippidis, and Ana Isabel Sanjuán López, 2021. *Improvement of R&I Treatment and SDGs*. Research report under the AgEconEurope Framework contract 935680-2018-A08-NL and submitted to the Joint Research Centre, European Commission.
10. Kuiper, Marijke and Hao David Cui. 2021. [Using food loss reduction to reach food security and environmental objectives: A search for promising leverage points](#). *Food Policy* 98.
11. Cui, Hao David, Caitlyn Carrico, and Andrzej Tabeau. 2020. Capturing HS level trade flows in MAGNET. Research report submitted to the Joint Research Centre, European Commission.
12. Cui, Hao David. 2020. Synergies and trade-offs in SSP2 pathway to sustainable future: a regional analysis. Research report prepared under the KB project. Wageningen University and Research.
13. 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.
14. Cui, Hao David, Marijke Kuiper, and Andrzej Tabeau. 2019. MAGNET baseline calibration. Technical research report submitted to the Joint Research Centre, European Commission.

15. Cui, Hao David, TJ Achterbosch, MH Kuiper, LJ Shutes, AA Tabeau, Catharina Latka, Thomas Heckeley, 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.
16. 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, funded by the European Commission.
17. 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.
18. 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.
19. Frank, Stefan, M van Dijk, P Havlik, Hao David Cui, Thomas Heckeley, 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.
20. Cui, Hao David and Wallace E. Tyner. 2017. [Modelling Land Intensification Response in GTAP: Implications for Biofuels Induced Land Use Change](#). Paper presented at the GTAP 20th Annual Conference on Global Economic Analysis, West Lafayette, United States.
21. Taheripour, Farzad, 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*.
22. 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](#). In Zhangcai Qin, Umakant Mishra, Astley Hastings (eds.), *Bioenergy and Land Use Change*, pp. 19-37.
23. Cui, Hao David 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.
24. Ash, Andrew, Trish Gleeson, Hao David 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.

25. Cui, Hao David, Hom Pant, Kyann Zhang, Edwina Heyhoe, and Helal Ahammad, *Climate Change, Trade Liberalisation, and Implications for Australian Agriculture*, Research report prepared for the 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.

26. Cui, Hao David, *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.

27. 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.

28. Cui, Hao. 2010. *Increasing Returns, Transaction Efficiency, and Welfare Analysis*, PhD Thesis, Monash University.

29. Cui, Hao David, *Asymmetric Responses of Retail Automotive LPG Prices in Australia to Changes in Saudi Benchmark Price*, research report presented at the Financial Modelling and Economics Group seminar, Australian Competition and Consumer Commission, May 2009, pp.1-19.

30. Cui, Hao David, *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.

31. 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.

## **PUBLICATIONS IN CHINESE**

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32. Cui, Hao, "Recent Progress in Comparative Advantage Theories," *Economics Perspectives*, Dec. 2003, pp. 64-68.

33. 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.

34. 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.
35. 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.
36. Cui, Hao, "The Impacts of Accession to the WTO on China's Textile and Clothing Industries and Policy Implications," in Keshu Guo ed., *China's Industries since Accession to the WTO*, Economic Management Publishing House, January 2003, pp.265-308.
37. Cui, Hao, "The Impacts of China's Accession to the WTO on Manufacturing Industries' Foreign Trade," in Keshu Guo ed., *China's Industries since Accession to the WTO*, Economic Management Publishing House, January 2003, pp.353-393.
38. Cui, Hao, "Infrastructure Investment and Manufacturing Industries' Foreign Trade: 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.
39. 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.
40. Cui, Hao, "China's Accession to the WTO and Machinery and Electronics Industries' Foreign Trade," *China Industrial Economy*, No.2 2002, pp.39-46.
41. 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.
42. 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.
43. Cui, Hao, "Import and Export 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.
44. Cui, Hao, "Foreign Trade in China's Manufacturing Industry since Accession to the WTO," *Technical Supervision for Practice*, No.2 2001, pp.7-12.
45. 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.

46. Cui, Hao, "Survival and Beyond: the Development Strategies of China Lingyun Industrial Group," *Economic Management*, No.9 2000, pp.29-31.
47. Dong, Li 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.
48. Cui, Hao, "Key Issues of the State-Owned Institutions," *College Journal of Economic Management*, No.2 1999, pp.8-10.
49. Cui, Hao, *Towards Operational Diversity in State Ownership*, Master's Degree Thesis, Jilin University, Dec. 1998.
50. 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.
51. Cui, Hao, "Challenges for Market-Oriented Reform of China's State-Owned Assets and Policy Implications," *Social Science Exploration*, No.3 1997, pp.27-30.