

Chenfei QU

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APPOINTMENT

Stanford University 09/2025 – Present
Environmental Social Sciences, Doerr School of Sustainability
Energy Postdoc Fellow
Mentors: Solomon Hsiang & Lawrence H. Goulder

EDUCATION

Tsinghua University 09/2020 – 08/2025
Institute of Energy, Environment, and Economy
PhD in Management Science and Technology

Tsinghua University 09/2016 – 08/2020
School of Environment
BS in “Environmental Engineering (Global Environment Program)”
(essentially equivalent to Environmental Management)
School of Economics and Management — Minor in Economics

RESEARCH VISITING & INTERNSHIP EXPERIENCE

ZEW-Leibniz Centre for European Economic Research 09/2024 – 12/2024
Visiting Researcher (Mentor: Sebastian Rausch)

- Conducted research on the policy mechanism for renewable energy.

World Bank DEC-Sustainability & Infrastructure 06/2022 – 09/2023
Research Assistant (Mentor: Carolyn Fischer)

- Conducted research on the interactions between emissions trading system and renewable energy subsidies.

Kyoto University, Fujimori’s Lab 07/2019 – 09/2019
Research Assistant (Mentor: Shinichiro Fujimori)

- Conducted research on China’s electricity market reform.

Venice International University
Exchange Student — Globalisation Program

02/2019 – 06/2019

- Completed coursework in International Communication and Sustainable Development.

National Development and Reform Commission

06/2018 – 12/2019

Research Assistant (Mentor: Kejun Jiang)

- Conducted research on Pakistan's energy transition strategy using the Low Emissions Analysis Platform (LEAP).

PUBLICATIONS

Working Papers

1. Rate-Based Emissions Trading with Overlapping Policies: Insights from Theory and an Application to China (with Carolyn Fischer, Lawrence H. Goulder).

<https://www.nber.org/papers/w33197>

- Best Conference Paper Golden Prize, 2024 Conference of the Chinese Association of Environment and Resource Economists.
- R&R at *Journal of the Association of Environmental and Resource Economists*

2. Did China's Pilot Emissions Trading Scheme Reduce CO₂ Emissions? Evidence from a Meta-Analysis. Yanxia Yu, Chenfei Qu, Tom Coupe, Mathilda Featherston-Lardeux, Andreas Loeschel, Arne R Weiss, Da Zhang.

Selected Peer-reviewed Articles

1. China's Nationwide CO₂ Emissions Trading System: A General Equilibrium Assessment. Lawrence H. Goulder, Xianling Long, Chenfei Qu, Da Zhang. *American Economic Journal: Economic Policy*, forthcoming.

2. Different Carbon Neutrality Strategies Induce Substantially Divergent Health Benefits and Distributional Impacts in China. Da Gao & Chenfei Qu (equal contribution), Bin Zhao*, Shuxiao Wang, Xiaodan Huang, Yisheng Sun, Yueqi Jiang, Zhongfeng Xu, Xiaocong Wang, Yicong He, Jiewen Shen, Dejie Yin, Haotian Zheng, Hongrong Shi, Zhe Jiang, Xiao-Wen Zeng, Yun Zhu, Biwu Chu, Hong He, Xiliang Zhang*, Da Zhang. *Environmental Science & Technology*. 2025, 59, 50, 27517–27529.

3. Estimating Health Co-Benefits of Climate Policies in China: An Application of the REACH framework. Chenfei Qu, Xi Yang, Da Zhang and Xiliang Zhang. *Climate Change Economics*, 2020, 11(03): 2041004.

4. Exploring US-China Climate Cooperation Through Linked Carbon Markets. Alexander Li, Chenfei Qu, Xiliang Zhang. *Advances in Climate Change Research*, 2023, 14(1): 145–155.

5. The C-REM 4.0 model: A CGE Model for Provincial Analysis of China's Carbon Neutrality Target. Hantang Peng, Chenfei Qu, Valerie Karplus and Da Zhang. *Energy and Climate Management*, 2024, 01.

6. **Climate Actions, Persistent Pollutants, and Human Health: A Call for Integrated Assessments.** Shan Niu, Minghao Qiu, Li Li, Chenfei Qu, Da Zhang. *Environmental Science & Technology*, 2024, 58, 36, 15885–15887.

Other Publications

1. Economic and Environmental Impacts of China’s New Nationwide CO2 Emissions Trading System: Results from a Numerical General Equilibrium Model. 2023. Asia Society Policy Institute.
2. **Resource for the Future Blog:** Assessing China’s New Nationwide Effort to Reduce Carbon Dioxide Emissions. 2024.
3. **VoxChina Blog:** China’s New Nationwide CO2 Emissions Trading System: General Equilibrium Impacts. 2024.

HONORS AND AWARDS

1. Xie Zhenhua Global Practice Scholarship, Tsinghua University, 2024
2. Best Conference Paper Golden Prize, 2024 Conference of the Chinese Association of Environment and Resource Economists
3. China National Scholarship for Graduate Students (the highest national scholarship awarded to Chinese graduate students, selection rate 0.2%), 2021
4. Outstanding Graduate Thesis, Tsinghua University, 2020
5. Outstanding Academic Performance in Globalization Program (one of 6 out of 140), Venice International University, 2019

CONFERENCE PRESENTATIONS AND INVITED TALKS

2023 NBER Environment and Energy Economics Program Meeting, Mannheim Conference on Energy and the Environment, Global Trade Analysis Project (GTAP) Annual Conference, International Conference of China and Development Studies, European Association of Environmental and Resource Economists (EAERE) Conference

2024 Conference of the Chinese Association of Environment and Resource Economists (CAERE), Association of Environmental and Resource Economists (AERE) Conference, Global Trade Analysis Project (GTAP) Annual Conference, Workshop on Environmental and Energy Economics at Shanghai Jiao Tong University, 2nd China Energy Model Youth Forum

2025 ASSA 2025 Annual Meeting

2026 IAEE Webinar Series: “Emission Trading Scheme: Practice in China with focus on feasibility and effectiveness – Online”, Stanford Energy Postdoctoral Fellowship Symposium.