

余润心

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地址: 北京市海淀区清华大学中意环境节能楼 325

出生年月: 1998 年 9 月 政治面貌: 中共党员 籍贯: 福建三明



教育背景

| | |
|---------------------------------------|-----------------|
| 清华大学, 能源环境经济研究所 (预计 2025 年 6 月毕业) | 2020.08-2025.06 |
| • 管理科学与工程硕博连读, 导师张希良教授, 研究方向为气候变化政策设计 | |
| 加州大学伯克利分校, 加州-中国气候变化研究院 | 2024.12-2025.05 |
| • 访问学者 | |
| 中山大学, 国际金融学院 | 2016.08-2020.06 |
| • 会计学本科 (排名前 5%) | |

论文成果

发表论文:

- Yu, R., Ma, S., Zhang, D., Zhang, X. (2024). Forest vegetation increased across China's carbon offset projects and positively impacted neighboring areas. *Communications Earth & Environment*, 5, 767. (Nature 子刊, IF:8.1)
- Yu, R., Zhang, D., Zhang, X. (2024). Introducing auctioning in China's national carbon market: lessons from international and domestic practices. *Climate Policy*, 1-17. (中科院 SSCI 一区, IF: 7.3)
- Yu, R., Zhang, D., Zhang, X., & Huang, X. (2023). Machine learning for data verification in emissions trading system. *Resources, Conservation and Recycling*, 199, 107239. (中科院 SCI 一区, IF: 13.8)
- Luo, X., Yu, R., Guo, Y., Jia, H., & Liu, D. "Carbon Price Prediction of LSTM Method Based on Attention Mechanism." 2022 4th International Conference on Smart Power & Internet Energy Systems (SPIES). IEEE, 2022.
- 张希良、张达、余润心:《中国特色全国碳市场设计理论与实践》[J].《管理世界》, 2021, 37(08): 80-95. (国内管理学领域顶级期刊)
- 余润心、翁玉艳、张希良:《全国碳市场建立市场稳定机制的国际经验与借鉴》[J].《环境保护》, 2024, 52(13): 68-73.
- 张希良、余润心、翁玉艳:《中外碳市场制度设计比较》[J].《环境保护》, 2022, 50(22): 16-20.
- 翁玉艳、余润心、陈奕名、张希良:《基于绿色“一带一路”建设和国际碳交易的碳减排合作模式探析》[J].《环境保护》, 2023, 51(24): 72-76.
- 余润心、张丹玮、刘运辉、李智、张达:《建设特色有偿分配机制 发挥碳市场减排作用》[J].《金融博览》, 2021
- 张舒涵、陈晖、王彬、余润心、马志婷、缪雨含:《基于水泥企业电-碳关系的碳排放监测》[J].《中国环境科学》, 2023, 43(07): 3787-3795.

工作论文:

- Yu, R., Zhang, D., Zhang, X. Carbon price drivers of China's national carbon market in the early stage. (*Climatic Change* under review)
- Zhang, D., Huang, X., Zhu K., Yu, R., A comparative study of energy system transformation toward carbon neutrality in BRICS nations. (*Energy and Climate Management* Revision Submitted)
- Yu, R. et al. Resetting the baselines of improved forest management offset projects using data driven approaches. In process.
- Yu, R., Zhang, X., Karplus, V. The development of China's carbon market: Overview. In process.

其他成果:

- 专著:《中国碳市场制度设计与实践》的主要撰写人之一 (尚未公布)
- 加州-中国碳市场合作项目公开研究报告: Zhang Xiliang, Yu Runxin, Qi Shaozhou, Yang Guangxin: "Theory and Practice of China's Carbon Emissions Trading System--key issues in China's national ETS and case study of Hubei pilot ETS"
- 美国环保协会资助的公开研究报告: 余润心, 张达:《全国碳市场的拍卖机制设计研究》(该报告在联合国气候变化大会 COP27 中国展区展览)

项目实践

参与生态环境部、国家发展和改革委员会、北京市交通委、国家创新与发展战略研究会、日本丰田公司、中国三峡集团、美国环保协会等委托项目（合同金额超 1000 万元），独立完成 10 余份研究报告部分参与项目：

- 深度参与《关于请协助开展全国碳市场建设关键问题研究的函》（生态环境部气候司委托） 2024
- 深度参与《全国碳排放权交易市场有偿分配研究》（2024 年国家高端智库重点研究任务） 2024
- 深度参与《支持“双碳”发展的财税政策研究》（2023 年国家高端智库重点研究任务） 2023
- 深度参与《碳排放连续在线监测在全国碳市场（发电行业）的应用条件评估与案例研究》《全国碳市场碳价影响因素分析与拍卖机制研究》《全国碳市场第三履约周期配额分配及与碳排放双控制度衔接方案研究》《全国碳市场的拍卖机制设计研究》《参与碳市场的企业排放数据质量分析与预警系统》等多个美国环保协会委托项目，独立完成多份项目报告 2021-2024
- 深度参与《碳普惠机理与减排额外性实证研究》，（北京市交通委委托） 2022-2023
- 深度参与《中国-加利福尼亚州碳市场合作项目》（国家创新与发展战略研究会委托） 2021-2022
- 深度参与《中国碳市场与中日碳定价机制对话》（日本丰田汽车公司委托） 2021-2022
- 参与国家自然科学基金重大专项“碳达峰碳中和路径与对策综合研究”（72140005） 2021-2025
- 参与国家自然科学基金重大项目“绿色低碳发展转型中的关键管理科学问题与政策研究”（71690240）
- 参与《“十四五”时期能源消费预测和控制目标研究》（国家发展和改革委员会委托） 2019
- 大学生创新训练计划国家级项目《反腐倡廉的环境治理效应》项目负责人 2018

社会工作与实践

中华人民共和国财政部： 2024.02-2024.04

- 借调资环司，“加快建立与“双碳”目标相适应的财税体制专题研究”的专班成员之一

中华人民共和国生态环境部： 2023.07-2023.12

- 协助气候司开展国际碳定价机制设计的调研，包括碳税与碳市场并行、配额拍卖等机制

中金公司： 2021.02-2021.04

- 研究院项目实习生，承担区域碳中和报告、中美气候合作报告等报告撰写和日常资料收集计算等

清华大学：

- 担任清华大学核研院核硕 20 党支部书记（2022 年-2023 年）
- 担任清华大学乡村振兴工作站福建厦门支队长（2022 年）
- 清华大学张达副教授《能源经济学与政策》研究生课程助教（2020 年）

中山大学：

- “学以志用”公司金融研究团队科研助理和“风险投资与创新创业研究”团队财务助理（2017 年-2020 年）
- 国际金融学院 17 级党支部组织委员（2019 年-2020 年）、16 级工三班团支部书记（2016 年-2017 年）
- 中山大学程敏英副教授《管理会计》本科生课程助教（2019）及《会计信息系统》本科生课程助教（2019）

国际交流与合作经历

- 比利时，鲁汶大学，受邀参加欧洲资源经济学家年会（EAERE）并作口头汇报 2024.07
- 日本，东京大学、名古屋大学、同志社大学，受邀访问并开展中日碳定价机制工作坊 2023.11
- 中国香港，香港中文大学，参加中国环境专家年会（PACE）并作口头汇报 2023.07
- 美国（线上），加州大学伯克利分校，线上组织并参加中国-加州碳市场系列研讨会 2022.04-2022.07

荣誉奖励

- 奖学金：清华大学优秀学生一等奖学金（2023、2022）、二等奖学金（2021）；中山大学“校优秀学生一等奖学金”（2020）、“校优秀学生二等奖学金”（2019）、“院优秀学生干部奖学金”（2017）
- 学生工作：中山大学“优秀志愿者”荣誉（2017）、中山大学国际金融学院“优秀学生干部”（2017）

Runxin Yu

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Education

Ph.D. Candidate of Management, Institute of Energy, Environment and Economy, Tsinghua University, China 08/2020-06/2025 (expected)

Dissertation Title: Key policy designs of China's national emissions trading system

Visiting Scholar, California-China Climate Institute, Law School, University of California, Berkeley 12/2024-06/2025

B.Sc. in Accounting, International School of Business & Finance, Sun Yat-sen University, China 08/2016-06/2020

Research Interest

Energy and Climate Policy, Price-based Instruments, Environmental and Resource Economics

Selected Works

Publications- Over ten academic articles and research reports have been published.

Yu, R., Ma, S., Zhang, D., Zhang, X. (2024). Forest vegetation increased across China's carbon offset projects and positively impacted neighboring areas. *Communications Earth & Environment*, 5, 767 (SCI Q1, IF=8.1)

Yu, R., Zhang, D., Zhang, X. (2024). Introducing auctioning in China's national carbon market: lessons from international and domestic practices. *Climate Policy*, 1–17. (SSCI Q1, IF=7.3)

Yu, R., Weng, Y., Zhang, X. (2024). Market Stability Mechanisms in China's National Carbon Market: Lessons from International Practices. *Environmental Protection*. (Chinese)

Yu, R., Zhang, D., Zhang, X., & Huang, X. (2023). Machine Learning for Data Verification in Emissions Trading System. *Resources, Conservation and Recycling*, 199, 107239. (SCI Q1, IF=13.8)

Zhang, X., **Yu, R.,** Qi, S., Yang, G. (2022) Theory and Practice of China's Carbon Emissions Trading System – key issues in China' national ETS and case study of Hubei pilot ETS. The Joint Reports of California-China Carbon Market Project.

Working Papers – Over five academic articles and reports are under development.

Yu, R., Zhang, D., Zhang, X. Carbon price drivers of China's national carbon market in the early stage. (*Climatic Change* under review)

Zhang, D., Huang, X., Zhu K., **Yu, R.,** A comparative study of energy system transformation toward carbon neutrality in BRICS nations. (*Energy and Climate Management* Revision Submitted)

Professional Experience

Ministry of Finance of the People's Republic of China 02/2024-04/2024
Energy specialist, special research on “Accelerating the Establishment of a Fiscal and Taxation System Corresponding to the Dual Carbon Goals”

Ministry of Ecology and Environment of the People's Republic of China 07/2023-12/2023
Researcher, extensive research on the design of international carbon pricing initiatives and assisting in related policy tracking and analysis

China International Capital Corporation 01/2021-04/2021

Intern, assisting in drafting regional carbon neutrality reports, China-US climate cooperation reports, and daily data collection

Selected Research Experience

Successfully accomplished over ten research projects with a cumulative value exceeding \$1 million

Investigator, “Letter Requesting Assistance in Research on the Key Issues on the Construction of the National Carbon Market”, Ministry of Ecology and Environment, 04/2024-12/2024

Investigator, “Research on fiscal and tax policies supporting the development of ‘dual carbon’”, the Ministry of Finance (RMB100,000), 07/2023-10/2023.

Investigator, “China’s National Emissions Trading System and Japan-China Dialogue on Carbon Pricing”, Tsinghua University - Toyota Joint Research Institute (RMB 870,341), 04/2021-03/2022.

Investigator, “Analysis of Factors Influencing Carbon Price in the National Carbon Market and Research on Auction Mechanism”, the Environmental Defense Fund (RMB 450,000), 09/2022-09/2023.

Investigator, “China-US Climate Change Dialogue and Cooperation Mechanism for Carbon Pricing”, China Institute for Innovation & Development Strategy (RMB 1,500,000), 06/2021-05/2022.

Conference and Seminar (Oral Presentation)

- 29th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), 07/2024
- 2024 Science and Technology Annual Meeting of the Chinese Society for Environmental Sciences, 05/2024
- The Doctoral Academic Forum of Tsinghua University (Awarded Best Oral Presentation), 05/2024
- Professional Association for China’s Environment Annual Conference 2023 (PACE), 07/2023
- Workshop on Carbon Pricing Mechanism in China and Japan, 11/2023
- Series Workshops on China-California carbon market research, 04/2022-07/2022

Professional Services

- **Referee** for Climate Policy, China Economic Review, Energy Economics, Climatic Change, Nature Humanities and Social Sciences Communications
- **Discussant** for EAERE

University Services

Teaching Assistant

Graduate Teaching Assistant, “Energy Economics and Policy”, Tsinghua University, Winter 2021

Undergraduate Teaching Assistant, “Management Accounting” and “Accounting Information Systems”, Sun Yat-sen University, Summer 2019

Facilitator

Class leader, the Institute of Nuclear and New Energy Technology, Tsinghua University, 2022- 2023

Officer, Graduate Students’ Association, organized activities such as the Global University Climate Forum and the Doctoral Students’ Forum, Tsinghua University, 2020-2021

Fellowships and Awards

Outstanding Student First-class Scholarship, Tsinghua University, 2021-2022 & 2022-2023

Outstanding Student First-class Scholarship, Sun Yat-sen University, 2019-2020

Outstanding Student Leader Award, Sun Yat-sen University, 2016-2017

Languages

Chinese (native), English (fluent)

Skills

Microsoft Office Suite, Stata, Python, R