

Charles A Taylor

cha.taylor@gmail.com | www.ca-taylor.com

ACADEMIC APPOINTMENTS

Harvard University

Assistant Professor of Public Policy, Harvard Kennedy School 2023-

University of California, Berkeley

S.V. Ciriacy-Wantrup postdoc, Dept of Agricultural & Resource Economics 2022-2023

EDUCATION

Columbia University

Ph.D. Sustainable Development. Field: environmental economics 2022

Wallace E. Oates Outstanding Doctoral Dissertation Award from the Association of Environmental and Resource Economists (AERE)

University of Virginia

B.A., Economics; B.A., Political & Social Thought, High Distinction 2007

PUBLICATIONS/FORTHCOMING

“Market Expectations of a Warming Climate.” *Journal of Financial Economics* (with Wolfram Schlenker), 2021.

“Wetlands, Flooding, and the Clean Water Act.” *American Economic Review* (with Hannah Druckenmiller), 2022.

“Livestock Plants and COVID-19 Transmission.” *Proceedings of the National Academy of Sciences* (with Chris Boulos and Douglas Almond), 2020.

“Fertilizer and Algal Blooms: A Satellite Approach to Assessing Water Quality.” *NBER Risks in Agricultural Supply Chains*, book chapter (with Geoffrey Heal), 2023.

“Violent conflict exacerbated drought-related food insecurity between 2009 and 2019 in sub-Saharan Africa.” *Nature Food* (W Anderson, C Taylor, S McDermid, E Ilboudo-Nébié, R Seager, W Schlenker, F Cottier, A de Sherbinin, D Mendeloff, and K Markey), 2021.

“Tipping point dynamics in global land use.” *Environmental Research Letters* (with James Rising), 2021.

WORKING PAPERS

“Cicadian Rhythm: Insecticides, Infant Health and Long-term Outcomes.” Job Market Paper.

“Environmental Drivers of Agricultural Productivity Growth: CO₂ Fertilization of US Field Crops.” NBER Working Paper (with Wolfram Schlenker).

“Irrigation and Climate Change: Long-run Adaptation and its Externalities.” Working Paper. Revision requested at the Journal of the Association of Environmental and Resource Economists.

“Rain Follows the Forest: Land Use Policy, Climate Change, and Adaptation.” Working Paper (with Florian Grosset and Anna Papp).

“The 1968 Influenza Pandemic and COVID-19 Outcomes.” Preprint on *medRxiv* (with Christopher Boulos and Matthew Memoli).

“Algal Blooms and the Social Cost of Fertilizer.” Working Paper (with Geoffrey Heal).

“The ‘Golden Age’ of Pesticides? Trade-offs of DDT and Health in the US.” Working Paper (with Eyal Frank).

PRESENTATIONS

2023 UC Berkeley; UC Davis; Occasional Workshop on Environmental and Resource Economics (UCSB); Stanford Climate Adaptation Conference; University of Illinois (Gies).

2022 Simon Agriculture & Natural Resource Seminar (UC Berkeley and UC Davis); Auburn University; University of California (UC-wide) environmental economics seminar; Harvard Kennedy School; Notre Dame; UT-Austin; UW-Madison Agricultural & Applied Economics; University of Chicago, Harris; Paris School of Economics; UC Berkeley ARE; University of Gothenburg.

2021 NBER Environment and Energy Economics Meeting; NBER Risks in Agricultural Supply Chains Meeting; University of San Francisco (Economics seminar); Northeast Workshop on Energy Policy and Environmental Economics; OSWEET Workshop in Environment, Energy, and Transportation Economics; Seminar on Planetary Management; Biodiversity and Economics for Conservation Conference (BIOECON); AERE Summer Conference; AERE@EEA; WEAI Annual Conference; US Department of Energy, Office of Science, Biological and Environmental Research Program, Earth and Environmental Systems Modeling, MultiSector Dynamics.

2020 Climate Economics Workshop (UC Berkeley).

2019 Heartland Environmental and Resource Economics Workshop (University of Illinois); Occasional Workshop on Environmental and Resource Economics (UCSB); Center for Environmental Economics and Policy (Columbia University).

REFEREE SERVICE

American Economic Review, Journal of Political Economy, AEJ: Applied Economics, AEJ: Economic Policy, American Journal of Agricultural Economics, Journal of the Association of Environmental and Resource Economists, Journal of Finance, Journal of Public Economics, Journal of Health Economics, JPE Macro, Food Policy, Nature Food, Journal of Economic Geography, Economic Letters, The B.E. Journal of Economic Analysis and Policy, Proceedings of the National Academy of Sciences.

TEACHING

Harvard University , Harvard Kennedy School, Professor	2023
API 201 Quantitative Analysis and Empirical Methods (Master's)	
Columbia University , Instructor	2021
SUMA PS4190 Economics of Sustainability Management (Master's)	
Fordham University , Adjunct lecturer	2019 – 2021
ECON 3850 Environmental Economics (undergraduate)	
City College of New York, CUNY , Adjunct lecturer	2018 – 2021
SUS 7400C Economics of Sustainability (Master's)	
ECO B9526 Economics of Environment and Natural Resources (Master's)	
Columbia University , Teaching Assistant	2017 – 2021
ENVP U8213 Economics of Environmental Policy (Master's)	
SDEV UN2300 Challenges of Sustainable Development (undergraduate)	
Microeconomics I and II – Topics in Policy-Oriented Microeconomics (Master's)	

PROFESSIONSAL (NON-ACADEMIC)

The Earth Partners LP , Director of Business Development	2010 – 2016
Co-founder of company that develops, owns, and manages wetland mitigation banks, as well as solutions for marginal and degraded lands to rebuild soils, water resources, habitat, terrestrial carbon, and ecosystem functions. Raised \$20+ million in equity for projects.	
Bill & Melinda Gates Foundation , Consultant	2009
Structured program to lower the retail price of a key agricultural input commodity in several sub-Saharan African countries with a focus on sustainable input application for smallholders. Developed supply chain interventions and created a financing consortium to make targeted debt investments, and coordination of suppliers, importers, and distributors.	
McKinsey & Company , Business Analyst	2007 – 2009
Bank of America Merrill Lynch , Intern (fixed income trading)	2006

OTHER

Drylands Natural Resources Centre , Mbumbuni, Kenya	2007 – present
Co-founded farmer co-operative that utilizes sustainable farming practices to increase agricultural yields and restore dryland ecosystems. Current membership of 1,000 farming households (6,000 people), 90% women-led. Over 1 million trees disseminated at cost of \$10 per person and \$0.10 per tree planted. Tree nursery with 20-plus native species (500,000 saplings) and six employees.	