Frank C. Errickson

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Google Scholar

Positions

AAAS S&T Policy Fellow | Office of the Chief Economist, U.S. Department of State (2024–2026)

- Led OCE's critical minerals analysis, including trade-data mapping of indirect supply vulnerabilities. Represented State at international tabletop exercises (IEA, Brussels; CSIS/ECFR, Berlin).
- Conducted country-level economic security analysis (economic coercion, FDI, energy markets) for the Chief Economist and Under Secretary.
- Created and ran OCE's weekly research digest (NERD), which grew to 400+ readers across the Department and eight U.S. embassies.

Economic Officer | Overseas detail, U.S. Embassy La Paz, Bolivia (Jul–Sep 2025)

- Wrote reporting cables on U.S.-Bolivia trade and critical minerals; briefed embassy leadership during the 2025 crisis and elections.

Postdoctoral Scholar | Princeton School of Public and International Affairs (2020–2024)

- Climate impacts, air pollution, and economic policy research. Co-developed the GIVE model, used by the U.S. EPA for official social cost of greenhouse gas estimates.

Consultant | Resources for the Future & U.S. EPA (2021–2022, 2023–2024)

- Scientific and technical assistance to develop revised social cost of CO_2 estimates.

Education

Ph.D., Energy and Resources Group, University of California, Berkeley — 2020
Fields: climate science, environmental economics, and data science

M.S., Energy and Resources Group, University of California, Berkeley — 2016

M.A., Atmospheric Science & Development Economics, Columbia University — 2011

B.A., Political Science (Environmental Science minor), Stockton University — 2009

Skills

- **Analytical:** Economic and policy analysis, quantitative modeling and uncertainty analysis, benefit-cost and distributional analysis, trade data analysis, data visualization.
- **Communication:** Translating technical and scientific research for policy audiences (weekly research digest, reporting cables, senior briefings, RFF and EPA reports).
- **Computing:** Julia, Python, R; open-source model development; AI-assisted coding (Claude Code).

Awards

- Meritorious Honor Award, U.S. Department of State (2026)
- Data Sciences for the 21st Century (DS421) NSF Fellow, UC Berkeley (2016–2018)
- Outstanding Graduate Student Instructor Award, UC Berkeley (2015)

Service

- Session co-chair, AGU Fall Meeting (2019, 2024). Reviewer for *Science*, *Nature Climate Change*, *Climatic Change*, EPA NCEE Working Paper Series, and the USGS critical minerals methodology.

Selected Publications

* *Co-lead author with equal contribution.* Full list: Google Scholar or full CV.

- Scovronick, N., Shiwang, J., Ferranna, M., Wagner, F., **Errickson, F.C.***, et al. "Global climate justice and the future of air quality co-benefits in low-income and middle-income countries: an energy, climate, and health modelling study." ***The Lancet Global Health*** (2026). (link)
- Darnell, C., Rennels, L., **Errickson, F.C.***, et al. "The interplay of future emissions and geophysical uncertainties for projections of sea-level rise." ***Nature Climate Change*** (2025). (link)
- Prest, B.C., Rennels, L., **Errickson, F.C.**, et al. "Equity weighting increases the social cost of carbon." ***Science*** (2024). (link)
- Rennert, K., **Errickson, F.C.***, et al. "Comprehensive evidence implies a higher social cost of CO_2." ***Nature*** (2022). (link)
- **Errickson, F.C.**, et al. "Equity is more important for the social cost of methane than climate uncertainty." ***Nature*** (2021). (link)