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EYAL G. FRANK

CV

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ACADEMIC POSITIONS

2024-present: NBER Faculty Research Fellow, EEE Program

2024-present: CEPR Research Affiliate, Climate Change and Environment Programme

2018-present Assistant Professor

Harris School of Public Policy

University of Chicago

2017-2018: Postdoctoral Research Associate

School of Public and International Affairs

Princeton University

AFFILIATIONS

2019-2022 Beijer Young Scholar, Beijer Institute, Royal Swedish Academy of Sciences

2018-Present Energy Policy Institute (EPIC), University of Chicago

EDUCATION

2017: Ph.D. Sustainable Development, Columbia University

2012: M.A. Economics, Hebrew University

Joint Research-M.A. program with Tel Aviv University, Israel

2010: B.Sc. Environmental Sciences and Economics, Hebrew University

Magna Cum Laude

PUBLICATIONS

“The Social Costs of Keystone Species Collapse: Evidence From The Decline of Vultures in India.” (2024) Frank, E. G., and A. Sudarshan. *American Economic Review*, 114 (10): 3007-3040 (lead article).

“The Economic Impacts of Ecosystem Disruptions: Costs from Substituting Biological Pest

Control.” (2024) Frank, E. G.. *Science*, 385: eadg0344a. 10.1126/science.adg0344

“Underfished or Unwanted? Much blame cast upon fisheries policy may be misguided.” (2023). Oremus, K. L., E. G. Frank, J. J. Adelman, S. Cruz, J. Herndon, B. Sewell, and L. Suatoni. *Science*, 380(6645): 585-588.

“Correspondence: Challender et Al. (2021) Misinterpret the Recommendations Regarding an IUCN-CITES Interface in Frank and Wilcove (2019) and Advocate Poor Policy.” 2022. E.G. Frank, D. S. Wilcove. *Conservation Letters*, January.

“Labor Market Impacts of Land Protection: The Northern Spotted Owl.” 2021 A.E. Ferris, E.G. Frank. *Journal of Environmental Economics and Management*, 109:102480.

“Biodiversity and thermal ecological function: The influence of freshwater algal diversity on local thermal environments.” 2019. A. Missirian, E.G. Frank, J.T. Gersony, J.C.Y. Wong, S. Naeem. *Ecology & Evolution*, 00:1-10.

“Long delays in banning trade in threatened species.” 2019. E.G. Frank, D.S. Wilcove. *Science*, 363(6428): 686-688.

“Balancing economic and ecological goals.” 2016. E.G. Frank, W. Schlenker. *Science*, 353(600): 651-652.

“Particulate Matter Concentrations, Sandstorms and Respiratory Hospital Admissions in Israel.” 2015. A. Ebenstein, E.G. Frank, Y. Reingewertz. *Israeli Medical Association Journal*, 17:628-632.

“Tide gauge location and the measurement of global sea level rise.” 2015. M. Beenstock, D. Felsenstein, E.G. Frank, Y. Reingewertz. *Environmental and Ecological Statistics*, 22(1): 1-28.

WORKING PAPERS

“Regulating Biological Resources: Lessons from Marine Fisheries in the U.S.” (with Kimberly Lai Oremus) *Revisions requested at The Review of Economic Studies*

“High-Frequency Data Reveal Limits of Adaptation to Heat in Animal Agriculture” (with Claire Palandri, Ayal Kimhi, Yaniv Lavon, Ephraim Ezra, and Ram Fishman) *Revisions requested at Science Advances*

“The Cost of Species Protection: The Land Market Impacts of the Endangered Species Act.” NBER WP 33352 (with Maximilian Auffhammer, David W. McLaughlin, Beia Spiller, and David L. Sunding)

“Campaigning for Extinction: Eradication of Sparrows and the Great Famine in China” (with Shaoda Wang, Xuebin Wang, Qinyun Wang, and Yang You)

“The Value of Monitoring for Disaster Prevention: The Desert Locust” (with Joséphine Gantois, Anouch Missirian, Evelina Linnros, Anna Tompsett, Amir Jina, and Gordon McCord)

“Reversing Local Extinctions: The Economic Impacts of Reintroducing Wolves in North America” (with Anouch Missirian, Jennifer Raynor, and Dominick Parker)

“The ‘Golden Age’ of Pesticides? Trade-offs of DDT and Health in the US” (with Charles A. Taylor)

WORK IN PROGRESS

“The Economic Costs of Climate Change From Ecosystem Disruptions: Evidence From Forest Defoliation Outbreaks in the United States” (with Sushant Banjara, Greg Dwyer, and Andrew M. Liebhold)

“Land-Use Restrictions and Perverse Incentives: Using Machine Learning to Evaluate the Endangered Species Act from High-Frequency Satellite Data”(with Sushant Banjara, and Anouch Missirian)

GRANTS, AWARDS & HONORS

External

2024: USDA-NIFA: Estimating the Economic Damages and Farmers’ Adaptation Following the Invasion of the Spotted Lanternfly (\$335,902)

2022: Property and Environment Research Center: Lone Mountain Fellowship.

2021: USDA-NIFA: The Economic Disamenities and Health Impacts of Animal Feeding Operations’ Practices in the United States (\$596,078)

NRDC: U.S. Fisheries Management and Long-Term Trends (\$42,775)

2021: NSF-OPUS: Understanding How Climate Change Will Alter the Ability of Pathogens to Control Gypsy Moth Populations, and the Consequences for Forest Economics (\$328,466)

2018: BARD-ISUS: Climate change and the dairy sector in Israel and the US (\$200,000)

2017: Wallace E. Oates Outstanding Doctoral Dissertation Award

Internal

2022: Overuse of a profitable technology? Estimating the impacts of pesticide reductions on agriculture and health in Vietnam. BFI Griffin Incubator Program (\$7,500).

The Cost of Species Protection: The Land Market Impacts of the Endangered Species Act. BFI Data Acquisition Grant (\$19,000).

2021: Understanding How Climate Change Will Alter the Ability of Pathogens to Control Gypsy Moth Populations, and the Consequences for Forest Economics. BFI Griffin Incubator Energy Challenge Renewal (\$50,000).

Land-Use Restrictions and Perverse Incentives: Using Machine Learning to Evaluate the Endangered Species Act from High-Frequency Satellite Data. BFI Griffin Incubator Data Revolution Challenge (\$45,000).

2020: Understanding How Climate Change Will Alter the Ability of Pathogens to Control Gypsy Moth Populations, and the Consequences for Forest Economics. BFI Griffin Incubator Energy Challenge (\$25,000).

Monitoring Biodiversity Using Acoustic Data in the United States. UChicago's Joint Task Force Initiative (\$50,000).

2019: The social impacts of vulture declines in India. Tata Centre for Development at UChicago (\$20,000).

INVITED PRESENTATIONS

2025 UC Berkeley (Agricultural and Resource Economics); Yale (School of Environment); UC Santa Barbara (Bren School); The Hoyt Institute; New York University (Stern Summer Climate Finance Conference).

2024 University of Zurich (Economics); ASHEcon Conference; Northwestern (Economic History Seminar); NBER Chinese Economy Working Group Spring Meeting, University of British Columbia (Food and Resource Econ.); Intersecting Externalities: Climate Change, Natural Capital, and Human Well-Being Workshop; NBER Environmental and Energy Economics Spring Meeting.

2023 Paris School of Economics; Toulouse School of Economics; UC San-Diego (Environmental and Resource Economics Seminar); Stanford (Rosenkranz Global Health Policy Research Symposium); Stanford (Ecology and Evolutionary Biology); Oregon State University (Applied Economics); University of Wisconsin Madison (Forest and Wildlife Ecology); University of Arizona (Economics); Massachusetts Institute of Technology (Energy and Environmental Economics Seminar); Economics and Marine Resource Management session at ASSA; AERE Environment, Pollution, and Health Session at ASSA.

2022 Planetary Management Seminar; University of San Francisco (Economics); NBER Spring Meeting, Environmental and Energy Economics; Ottawa Applied Microeconomics Seminar; LEEDout Seminar; Paris School of Economics, Annual Conference on Global Issues; BIOECON Conference (Keynote); LSE Environment Week; Canadian Resource and Environmental Economics Association Conference; Heartland Environmental and Resource Economics Workshop at UIUC; The Economics of Nature and the Nature of Economics (LSE); Southern Economic Association Conference.

2021 AERE Biodiversity Session at ASSA; Hebrew University of Jerusalem (EEM); UC Santa Barbara (Bren School); NAREA Conference; LSE Environmental Economics Workshop; NBER Summer Institute, Environmental and Energy Economics; BIOECON Conference; LSE (Geography & Environment); Cambridge (Conservation Initiative Seminar Series).

2020 AERE Fishery Economics Session at ASSA, Annual Conference of the Western Economic Association International (AERE Sessions); University of Wisconsin Madison (AAE).

2019 University of Illinois (ACE); Resources for the Future; World Bank; UC Davis (Environment & Energy); Incentives for Wildlife Workshop (PERC), Heartland Environmental and Resource Economics Workshop; Columbia University (Center for Environmental Economics & Policy); Indiana University (Young Scholars Symposium on Natural Resource, Ostrom Workshop).

2018 Columbia University (Sustainable Development); UC Berkeley (Energy and Environment); Environmental Defense Fund.

2017 The Occasional Workshop on Environmental and Resource Economics, UC Santa Barbara; Cornell University (Dyson School); Environmental Defense Fund; University of British Columbia (Food and Resource Econ.); University of Oregon (Econ.); New York University (Policy Integrity); University of Chicago (Harris School); Mississippi State University (Ag. Econ.)

2016 Population Health Sciences Research Workshop; Annual Conference of the Western Economic Association International (AERE Sessions)

2015 The Occasional Workshop in Environmental and Resource Economics, UC Santa Barbara; NBER Summer Institute, Environmental and Energy Economics, Egg-Timer Session

SERVICE

Referee: *American Economic Journal: Public Policy*, *American Economic Journal: Applied Economics*, *American Economic Review: Insights*, *American Journal of Agricultural Economics*, *Biological Conservation*, *Environmental and Resource Economics*, *Food Policy*, *Journal of Political Economy*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Environmental Economics and Management*, *Journal of Environmental Management*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Quarterly Journal of Economics*, *Science*, *Ecology Letters*, *Proceedings of the National Academy of Sciences*.

Other Service

- 2024: Co-organized the Climate Change, Land Use, and Biodiversity panel at the Association of Environmental and Resource Economists Summer Conference
University of Chicago
- 2019-2024: Co-organizer of the EPIC Seminar
Columbia University
- 2016: Co-organizer of the Sustainable Development Research & Symposium
- 2014: Co-organizer of the Interdisciplinary PhD Workshop on Sustainable Development
- 2014: Co-organizer of the 10 Years Event for the Sustainable Development Program

TEACHING & RESEARCH EXPERIENCE

Teaching, Harris School of Public Policy

- 2018-2024: Statistics for Data Analysis I (MPP)
- 2018-2020: Lessons From Policies That Went Wrong (MPP)
- 2020: Data Analytics I