

### **Present Academic Position**

Stanford Energy Postdoctoral Fellow, Economics  
Precourt Institute for Energy, Stanford University, Jan 2024 – current

### **Education**

PhD, Energy and Resources. University of California, Berkeley, Dec 2023.

“Internalising Externalities: Macro Methods for Tracking and Optimizing Social Welfare and Sustainability”

Committee: David Anthoff (chair); Clair Brown; Samuel Evans

Certificate in Teaching and Learning in Higher Education, UC Berkeley, 2022

Master of Science, Energy and Resources Group, UC Berkeley. 2017

Bachelor of Arts in Economics, summa cum laude, San Francisco State University. 2011

Associate in Arts, Highest Honors, City College San Francisco. 2009

Certificate of Professional Writing, Royal Melbourne Institute of Technology

### **Honors, scholarships and grants**

Research Grant, Energy Economics Journal, Summer 2023

National Science Foundation Graduate Research Fellow, Fall 2017 – Spring 2022

Fellow, Data Science for the 21<sup>st</sup> Century NSF Research Traineeship. Fall 2016-Spring 2018

Outstanding Graduate Student Instructor, UC Berkeley, 2016-2017

Markowski-Leach Scholarship, 2016-2017

Economics Hood recipient, SFSU Business School, 2012

Summa cum laude, Economics, SFSU, 2012

Phi Beta Kappa, Honors Society membership, 2012

George Feliz Memorial Scholarship in Economics, 2010

Dean’s List, San Francisco State University, Fall 2009

Herbert and Edvige Lebherz Scholarship, 2008

Dean’s List City College of San Francisco, Fall 2008, Spring 2009

Travel Grants, Australian Film Commission, 2003 & 2002

Prize Awards (representing 99.7 percentile), Australian Mathematics Competition, 1982 & 1984

### **Academic Publications**

Lazarus, E, Brown, C. “Improving the genuine progress indicator to measure comparable net welfare: U.S. and California, 1995–2017”. *Ecological Economics*, 2022  
<https://doi.org/10.1016/j.ecolecon.2022.107605>

Brown, C., Lazarus, E. “Genuine Progress Indicator for California: 2010–2014.” *Ecological Indicators* 93 (October): 1143–51, 2018. <https://doi.org/10.1016/j.ecolind.2018.05.072>

Lin, D., Hanscom, L., Martindill, J., Borucke, M., Cohen, L., Galli, A., Lazarus, E., Zokai, G., Iha, K., Wackernagel, M. Working Guidebook to the National Footprint Accounts, Version 1.2; Global Footprint Network: Oakland, CA, USA, 2018

Galli, A., Giampietro, M., Goldfinger, S., Lazarus, E., Lin, D., Saltelli, A., Wackernagel, M., Müller, F. “Questioning the Ecological Footprint”. *Ecological Indicators* 69: 224–32 (October 1), 2016

Lin, D., Galli, A., Borucke, M., Lazarus, E., Grunewald, N., Martindill, J., Zimmerman, D., Mancini, S.

- Iha, K., Wackernagel, M. “Tracking Supply and Demand of Biocapacity through Ecological Footprint Accounting”. Chapter in *Sustainability Assessment of Renewables-Based Products: Methods and Case Studies*, edited by Jo DeWulf, Steven De Meester, and Rodrigo A. F. Alvarenga, 179–99. Wiley, 2015
- Lazarus, E., Lin, D., Martindill, J., Hardiman, J., Pitney, L., Galli, A. “Biodiversity Loss and the Ecological Footprint of Trade”. *Diversity*, 7, 170-191, 2015. <https://doi.org/10.3390/d7020170>
- Goldfinger S., Wackernagel M., Galli A., Lazarus E., Lin D. “Footprint facts and fallacies: A response to Giampietro and Saltelli (2014) “Footprints to Nowhere””. *Ecological Indicators*, Letter to the Editor, 2014
- Galli A., Wackernagel M., Iha K., Lazarus E. “Ecological Footprint: Implications for biodiversity”. *Biological Conservation*. Volume 173, Pages 121–132, May 2014
- Borucke M., Moore D., Cranston G., Gracey K., Iha K., Larson J., Lazarus E., Morales J.C., Wackernagel M., Galli A. “Accounting for demand and supply of the biosphere’s regenerative capacity: The National Footprint Accounts’ underlying methodology and framework”. *Ecological Indicators*, N° 24, pp. 518–533, 2013
- Passeri N., Borucke M., Blasi E., Franco S., Lazarus E. “The influence of farming technique on cropland: A new approach for the Ecological Footprint”. *Ecological Indicators* 29 1-5, 2013.
- Wackernagel M., Galli A., Lazarus E., Borucke M., Mattoon, S. “Ecological footprint Accounting”. Chapter 11, *Globalisation, Economic Transition and the Environment: Forging a Path to Sustainable Development*, 2013.

## **Work in Progress**

- Lazarus E., Anthoff D., Rutherford T. “An open-source application for simplified and efficient Computable General Equilibrium model generation in Julia: MPSGE.jl”. (Working paper)
- Lazarus E., Decker N., Kaplan S., Lin D., Iha K. “Sustainability & Economic Service Quality: Ecological Footprint Efficiency by Consumption Category”. (Working paper)
- Lazarus E. “Toward a Sustainability Theory of Value”. (Working paper)

## **Presentations**

- 2022: YEC, Vienna; APPAM webinar (panelist)
- 2022: USSEE webinar (panelist)
- 2019: USSEE webinar (speaker); INET, YSI. LA, CA
- 2018: ISSEE conference, Puebla Mexico
- 2017: Institute for Research on Labor and Employment; UC Berkeley Development Engineering Seminar
- 2016: USSEE Conference, DC
- 2014: ISSST, Oakland
- 2013: Indonesian Department of Planning
- 2012: ANZSEE; Philippines Climate Change Commission forum, Manilla
- 2010: U.S. Social Forum, Detroit; SFSU, San Francisco

## **Recent Work History**

### **Research**

- 2017 Graduate Student Research Assistant, with Professor Clair Brown
- 2015 Lead Researcher – Resource Accounting, Global Footprint Network

2012-2014 Research Scientist, Global Footprint Network  
2010-2011 Research Assistant to Dr. Philip King, San Francisco State University

**Teaching: Graduate Student Instructor**

2023 Fall Climate Change Economics, Graduate Student section, with Professor David Anthoff  
2023 Spring Population, Environment, and Development, with Professor Ethan Ligon  
2022 Fall Climate Change Economics, Graduate Student section, with Professor Sam Evans  
2022 Summer Climate Change Economics, with Professor Jasmin Ansar  
2022 Spring Quantitative Aspects of Global Environmental Problems, with Professor Lara Kueppers  
2021 Fall Climate Change Economics, Graduate Student section, with Professor David Anthoff  
2021 Summer Climate Change Economics (remote), with Professor Sam Evans  
2016 Spr & F Climate Change Economics, with Professor David Anthoff

**Affiliations**

Member of: Association of Environmental and Resource Economists; American Economic Association; U.S., Australia/New Zealand, and International Society of Ecological Economics; Institute of New Economic Thinking; Young Scholars Initiative; Cal Hang Gliding Club.

**Other skills and interests**

Programming and applications experience (Julia, R, Excel, MySQL, Python, GAMS, VBA, ArcGIS, Matlab, Stata). Parent to one fantastic 14-year-old.