

DIEGO S. CARDOSO

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ACADEMIC APPOINTMENTS

University of Illinois Urbana-Champaign, Dept. Agricultural & Consumer Economics Aug. 2024–
Assistant Professor Urbana, IL

Purdue University, Department of Agricultural Economics Jan. 2022–Aug. 2024
Assistant Professor West Lafayette, IN

University of Geneva, Institute of Economics and Econometrics July–Dec. 2021
Postdoctoral Researcher Geneva, Switzerland

PROFESSIONAL APPOINTMENTS

Purdue University, Institute for a Sustainable Future Sept. 2022–Aug. 2024
Faculty Affiliate

Water Economics and Policy Jan. 2023–
Editorial Board Member

EDUCATION

Ph.D. Applied Economics and Management, Cornell University 2021

M.S. Economics, Federal University of São Carlos, Brazil 2013

B.S. Computer Engineering (with distinction), University of Campinas, Brazil 2010

RESEARCH

Refereed publications

- Verguet, S., Bolongaita, S., Chang, A., Cardoso, D., Stevens, G. (Forthcoming). The economic value of reducing mortality due to non-communicable diseases and injuries. *Nature Medicine*.
- Cardoso, D. S., Dahis, R. (2024). Calculating the economic value of non-marginal mortality risk reductions. *Economics Letters*. 237, 111673.
- Swedberg, K., Cardoso, D. S., Castillo-Castillo, A., Mamun, S., Boyle, K. J., Nolte, C., Papenfus, M., & Polasky, S. (2024). Spatial heterogeneity in hedonic price effects for lake water quality. *Land Economics*. 100(1), 89-108.
- Mamun, S., Castillo-Castillo, A., Swedberg, K., Zhang, J., Boyle, K. J., Cardoso, D. S., Kling, C. L., Nolte, C., Papenfus, M., Phaneuf, D., & Polasky, S. (2023). Valuing water quality in the US using a national data set on property values. *Proceedings of the National Academy of Sciences*, 120 (15), e2210417120.
- Cardoso, D.S., Wichman, C.J. (2022). Water affordability in the United States. *Water Resources Research*, 58, e2022WR032206.
- Almeida, R.M., Fleischmann, A.S., Brêda, J.P., Cardoso, D.S., Angarita, H., Collischonn, W., ... & Flecker, A.S. (2021). Reduced river discharge under climate change impairs electricity generation and the economic feasibility of future Amazon hydropower. *Global Environmental Change*, 71, 102383.

- Cardoso, D.S., Pitelli, M.M., Figueiredo, A.M. (2021). An econometric analysis of the Brazilian merger policy. *Review of Industrial Organization*, 59, 103–132.
- Tesfatsion, L., Rehmann, C.R., Cardoso, D.S., Jie, Y., & Gutowski, W.J. (2017). An agent-based platform for the study of watersheds as coupled natural and human systems. *Environmental Modelling & Software*, 89, 40–60.

Working papers

- “Second-best carbon taxation in a differentiated oligopoly,” (*Under review*).
- “The economic value of avoidable mortality,” *with Angela Chang, Gretchen Stevens, Bochen Cao, and Dean Jamison (Under review)*.

Selected work in progress

- “The sensitivity of oil companies’ reserves to the oil price,” *with Saraly Andrade de Sá and Julien Daubanes*.
- “The consequences of royalty relief programs in the oil industry,” *with Saraly Andrade de Sá, Julien Daubanes, Erik Katovich, and Pritam Saha*.
- “The effects of a targeted price ceiling on crude oil exports in the Hotelling model,” *with Julien Daubanes and Stephen Salant*.
- “Fuel cost pass-through in commercial aviation,” *with Yongjoon Park*.
- “A global agricultural supply-demand-climate-trade model calibrated to Baseline,” *with Manuel Jimenez, Hao Xiong, Russell Hillberry, and Ji Yong Kwon*.
- “Welfare Analysis in the SIMPLE Model,” *with Thomas Hertel and Srabashi Ray*.

Grants

- “A global agricultural supply-demand-climate-trade model calibrated to Baseline,” USDA/ERS. Role: PI. \$450,199; 2022–2024.
- “Validating agrivoltaic technology with underserved agricultural producers,” USDA/NRCS. Role: Co-PI (PI: Rafael Almeida, UT-RGV); \$2,248,074; 2023–2027.

CONFERENCE PRESENTATIONS AND INVITED TALKS (INCLUDING SCHEDULED)

(* indicates I am the presenter)

- **2024:** *AEA/ASSA Annual Meeting, *MEA Annual Meeting, International Workshop in Energy and Resource Economics and Policy, Nordic Environmental and Resource Economics Workshop
- **2023:** *AERE Summer Conference, *AERE@OSWEET, FAERE Annual Conference, *Heartland Workshop, *USAEE Annual Conference
- **2022:** Nordic Environmental and Resource Economics Workshop; *World Bank Healthy Longevity Initiative Workshop; *Michigan State University, AFRE; *Federal University of São Carlos
- **2021:** *Northeast Workshop on Energy Policy and Environmental Economics; *AERE Summer Conference; *Eastern Economic Association Conference; *Society for Benefit-Cost Analysis Conference; *Federal University of Juiz de Fora, *Norwegian School of Economics; *Hamilton College; *Institute for Policy Integrity; *Purdue University; *Suffolk University; *Syracuse University; *University of the Balearic Islands; *University of Connecticut; *University of Geneva; *ZEW
- **2020:** *CREEA Annual Conference; *Seminar in Water Economics Online (SWELL); *Online Summer Workshop in Environment, Energy, and Transportation (OSWEET); *CREEA Early Career Workshop; AGU Fall Meeting; *Universidad Ricardo Palma
- **2016–2019:** Southern Economic Association Annual Meeting; Heartland Environmental and Resource Economics Workshop; *Federal University of São Carlos

TEACHING

Purdue University

- Mathematical Programming (AGEC 652, PhD) 2022–24
- Topics in Machine Learning for Applied Economics (AGEC 690, PhD) 2023
- Quantitative Techniques for Firm Decision Making (AGEC 352, undergraduate) 2023–24

Iowa State University

- Energy, Environmental, and Resource Economics (ECON 380, undergraduate) 2018

ADVISING

- **Thesis committee member, PhD:** Yuxi Chen (exp. 2026), Yi Wang (exp. 2026), Yanyu Ma (exp. 2027)
- **Capstone project advisor, MS-MBA:** Justin Englebert (2023)

SERVICE

Refereeing

- **Peer-reviewed journals:** *Agricultural Economics*; *American Journal of Agricultural Economics*, *Applied Mathematical Modelling*; *Applied Economics Policy & Perspectives*; *Climatic Change*; *Energy Journal*; *Journal of the Association of Environmental and Resource Economics*; *Journal of Economics, Race, and Policy*; *Water Economics and Policy*; *Water Resources and Economics*; *Water Resources Research*
- **Funding agencies:** USDA/NIFA grant review panel

Professional

- **Abstract reviewer:** Agricultural and Applied Economics Association annual conference; US Association for Energy Economics annual conference; Journal of Purdue Undergraduate Research; Brazilian Society for Rural Economics, Management, and Sociology Conference
- **Invited discussant:** CREEA Annual Conference
- **Other:** Judging panel (2024) and faculty mentor (2023) for the USDA/AAEA Local Food Economics Data Visualization Challenge

FELLOWSHIPS & AWARDS

- George F. Warren 1st Place Award, Cornell Dyson 2021
- Lasserre-Renzetti Prize, CREEA 2020
- Brown Graduate Fellowship (\$10,000), Iowa State University 2016
- Gamma Sigma Delta inducted, Iowa State University 2016
- Teaching Excellence Award, Iowa State University 2015
- T. W. Schultz Graduate Fellowship (\$10,000), Iowa State University 2014
- Emerging Leaders in the Americas Scholarship (CAD 10,000), CBIE/Canada 2012
- Master's Scholarship, Coordination for the Improvement of Higher Level Personnel, Brazil 2011

PREVIOUS EMPLOYMENT

- Graduate Assistant, Dyson School, Cornell University 2018–2021
- Research Intern, Resources for the Future Summer 2017
- Graduate Assistant, Dept. of Economics, Iowa State University 2014–2018
- Data Scientist, Verisoft Group, Brazil 2013–2014
- Software Engineer, Verid Consulting, Brazil 2010–2012
- Research Intern, Brazilian Agricultural Research Corporation (Embrapa) 2009

ADDITIONAL INFORMATION

Professional membership Agricultural and Applied Economics Assn. (AAEA); American Economic Assn. (AEA); Assn. of Environmental and Resource Economists (AERE)

Languages Portuguese (native), English (fluent), Spanish (fluent), French (intermediate), Italian (basic)

Last updated August 2024