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

Water Economics and Policy *Jan. 2023–*
Editorial Board Member

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

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

· Chang, A., Stevens, G., Cardoso, D.S., Cao, B., Jamison, D. (2024). The economic value of reducing avoidable. *Nature Medicine*.

· Verguet, S., Bolongaita, S., Chang, A., Cardoso, D.S., Stevens, G. (2024). 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.

Book chapters

· Chang, A. Y., Stevens, G. A., Cardoso, D. S., Cao, B., Jamison, D. T. (2024). The Economic Value of Avoidable Mortality. In Unlocking the Power of Healthy Longevity: Compendium of Research for the Healthy Longevity Initiative. (pp. 84-103). World Bank.

· Verguet, S., Bolongaita, S., Chang, A. Y., Cardoso, D. S., Stevens, G. A. (2024). The Economic Value Associated with Avoidable Mortality. In Unlocking the Power of Healthy Longevity: Compendium of Research for the Healthy Longevity Initiative (pp. 104-122). World Bank.

Working papers

· "Second-best carbon taxation in a differentiated oligopoly."

· "Measuring the sensitivity of oil companies' reserves to the oil price," *with Saraly Andrade de Sá and Julien Daubanes*.

· "The dynamics of evasion: The price cap on Russian oil exports and the amassing of the shadow fleet," *with Stephen Salant and Julien Daubanes*.

Extramural funding

· "A global agricultural supply-demand-climate-trade model calibrated to Baseline," USDA/ERS. Role: PI. $450,199; 2022–2025.

· "Validating agrivoltaic technology with underserved agricultural producers," USDA/NRCS. Role: Co-PI (PI: Rafael Almeida, UT-RGV); $2,248,074; 2024–2028.

CONFERENCE PRESENTATIONS AND INVITED TALKS

(* 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, *Duke University, *Indiana University

· **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; *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; Midwest Economics Association; 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 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 October 2024