

DIEGO S. CARDOSO

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ACADEMIC POSITIONS

Purdue University, Department of Agricultural Economics
Assistant Professor

*Jan. 2022–
West Lafayette, IN*

University of Geneva, Institute of Economics and Econometrics
Postdoctoral Researcher

*July–Dec. 2021
Geneva, Switzerland*

AFFILIATIONS

Purdue University, Institute for a Sustainable Future
Faculty Affiliate

Sept. 2022–

Water Economics and Policy
Editorial Board Member

Jan. 2023–

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

- Swedberg, K., Cardoso, D. S., Castillo-Castillo, A., Mamun, S., Boyle, K. J., Nolte, C., Papenfus, M., & Polasky, S. (Forthcoming). Spatial heterogeneity in hedonic price effects for lake water quality. *Land Economics*.
- 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

- “Optimal carbon taxation under oligopoly: An application to commercial aviation.”
- “The economic value of avoidable mortality,” *with Angela Chang, Gretchen Stevens, Bochen Cao, and Dean Jamison.*
- “The economic value associated with non-communicable disease mortality: a systematic assessment by cause of death across world regions,” *with Stéphane Verguet, Sarah Bolongaita, Angela Chang, and Gretchen Stevens.*
- “Valuing non-marginal mortality risk reductions,” *with Ricardo Dahis.*

Selected work in progress

- “The sensitivity of oil companies’ reserves to the oil price,” *with Julien Daubanes and Saraly Andrade de Sá.*
- “The consequences of royalty relief programs in the oil industry,” *with Julien Daubanes, Saraly Andrade de Sá, Erik Katovich, and Pritam Saha.*
- “A global agricultural supply-demand-climate-trade model calibrated to Baseline,” *with Manuel Jimenez, Maros Ivanic, and Noé Nava.*
- “Welfare Analysis in the SIMPLE Model,” *with Thomas Hertel.*
- “Fuel cost pass-through in commercial aviation,” *with Yongjoon Park.*

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 (recommended for funding); 2023–2027.

TEACHING

Purdue University

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

Iowa State University

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

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
- Scientific Initiation Scholarships, National Council for Scientific Development, Brazil 2006 & 2007

CONFERENCE PRESENTATIONS AND INVITED TALKS

(* indicates I was the presenter)

- **2023:** *AERE Summer Conference
- **2022:** Nordic Annual 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

SERVICE

Refereeing

- **Peer-reviewed journals:** *Agricultural Economics*; *Applied Mathematical Modelling*; *Applied Economics Policy & Perspectives*; *Climatic Change*; *Journal of Economics, Race, and Policy*; *Water Economics and Policy*; *Water Resources and Economics*; *Water Resources Research*
- **Funding agencies:** USDA grant review panel

Professional

- **Abstract reviewer:** US Association for Energy Economics Conference; Journal of Purdue Undergraduate Research; Brazilian Society for Rural Economics, Management, and Sociology Conference
- **Invited discussant:** CREEA Annual Conference
- **Other:** Faculty mentor for the USDA/AAEA Local Food Economics Data Visualization Challenge

ADDITIONAL TRAINING

- Selected teaching training at Cornell U: International TA (26h, 2018). At Iowa State U: CIRTL Associate Level Certificate (2018), Team-Based Learning (8h, 2018), Project LEA/RN (14h, 2016)
- Graduate College Emerging Leaders Academy for leadership and diversity, Iowa State U 2017
- Sustainable Climate Risk Management Summer School, Penn State University 2016
- ÊSTIMATE Workshop, Michigan State University 2016

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 American Economic Assn. (AEA); Assn. of Environmental and Resource Economists (AERE); Latin American Assn. of Environmental and Resource Economists (LAERE)
Languages Portuguese (native), English (fluent), Spanish (fluent), French (intermediate), Italian (basic)

Last updated July 2023