

# 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.*
- “Calculating the economic value of 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*