

## Rafael Carlquist Rabelo de Araujo

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### CURRENT POSITION:

Assistant Professor of Economics FGV EESP **2023 – present**

### EDUCATION:

FGV EPGE Rio de Janeiro, PhD. Economics **2018 – 2022**

Committee: Francisco Costa (advisor), Marcelo Sant'Anna (co-advisor), Teevrat Garg, Robert Heilmayr, José A. Scheinkman, Juliano Assunção

FGV EPGE Rio de Janeiro, MSc. Economics **2016 – 2018**

University of São Paulo, BSc. Economics **2011 – 2015**

**RESEARCH INTEREST:** Environmental economics and industrial organization.

My work focuses on topics related to deforestation, climate, ecosystem services, agricultural productivity, and infrastructure.

### PUBLICATIONS:

“Estimating the Spatial Amplification of Damage Caused by Degradation in the Amazon”.

Proceedings of the National Academy of Sciences

with Juliano Assunção (Puc-Rio/CPI), Marina Hirota (UFSC), José A. Scheinkman (Columbia U.)

“The Value of Tropical Forests to Hydropower”.

Energy Economics

“Going Viral: Public Attention and Environmental Action in the Amazon”

Journal of the Association of Environmental and Resource Economists

with Francisco Costa (U. of Delaware) and Teevrat Garg (UCSD).

### WORKING PAPERS:

**“Seeds of Disparity: the Gender Land Divide from Brazil’s Agricultural Transition”**

with Bruna Borges, Francisco Costa, and Kelly Santos

**“When clouds go dry: an integrated model of deforestation, rainfall, and agriculture”**

Job Market Paper

**“Efficient forestation in the Brazilian Amazon: evidence from a dynamic model”** with

with Francisco Costa (U. of Delaware) and Marcelo Sant'Anna (EPGE FGV). R&R Restud

**“The Effects of Transportation Infrastructure on Deforestation in the Amazon: A General Equilibrium Approach”**

with Juliano Assunção (Puc-Rio/CPI) and Arthur Bragança (World Bank).

**Selected Work in Progress:**

**“Lobbying Against Nature: The Backlash of Conservation Policy in the Amazon”**

with Francisco Costa, Benjamin Olken, Robin Burgess

**INVITED SEMINARS AND CONFERENCES:**

2024: AERE

2023: AERE-ASSA\*, OSWEET, SWELL, SBE, Ministry of Environment and Climate Change

2022: Ridge, Applied Young Economists, Occasional Workshop UCSB\*, TSE Conference on Energy and Climate Economics\*, Cowles Conference on Models and Measurement\*, LSE Environment Week\*, AERE-SEA\*.

2021: NBER EEE Spring Meeting, ASSA Meeting\*, LACEA/LAMES\*, KDI Frontiers in Development Policy\*, Barcelona GSE Summer Forum AIO\*, BNDES

2020: RIDGE Forum Environmental Economics, AERE, AEA\*

2019: RIDGE Forum Environmental Economics, Low Carbon Markets Workshop

\*presented by co-author

**OUTREACH:**

VOXDEV [[1,2](#)], Valor Econômico [[1,2](#)], Nexo [[1](#)], Folha de São Paulo [[1](#)].

**SELECTED POLICY REPORTS:**

Simulating Climate Risk Scenarios for the Amazon Rainforest, [AWS 2023](#)

Mapping the Effect of Deforestation on Rainfall, [CPI 2021](#)

Governance, Area of Influence, and Environmental Risks of Transp. Infra., [CPI 2021](#)

Weaknesses and Lessons Learned in Implementing Sustainable Infrastructure, [CPI 2020](#)

The Environmental Impacts of the Ferrogrão Railroad, [CPI 2020](#)

**ADDITIONAL EXPERIENCE:**

As a senior analyst at Climate Policy Initiative Brazil, I lead a new agenda of valuing the ecosystem services of tropical forests by connecting climate and economic models.

**TECHNICAL SKILLS:**

**Coding:** Python (preferred), Google Earth Engine

**Language:** Portuguese (Native) and English (Fluent)

**Refereeing:** AEJ:Policy, ReStud, PNAS, JAERE, JDE

**REFERENCES:**

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Alfred Lerner College of Business and  
Economics  
University of Delaware  
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