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 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*

WORKING PAPERS:

"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
Francisco Costa (U. of Delaware) and Marcelo Sant'Anna (EPGE FGV).
R&R *The Review of Economic Studies*

 "Going Viral: Public Attention and Environmental Action in the Amazon"
 with Francisco Costa (U. of Delaware) and Teevrat Garg (UCSD).

"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:

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

AWARDS:

AERE's 2023 Wallace E. Oates Outstanding Doctoral Dissertation Award

Haralambos Simeonides Prize, Best Economics PhD Thesis in Brazil, Anpec

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 led 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

REFERENCES:

Francisco Costa
Alfred Lerner College of Business and Economics
University of Delaware
20 Orchard Rd, Newark, United States
E-mail: fcosta@udel.edu

Marcelo Sant'Anna
FGV EPGE Brazilian School of Economics and Finance
Getulio Vargas Foundation
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E-mail: marcelo.santanna@fgv.br

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