

Rafael Carlquist Rabelo de Araujo

São Paulo, Brazil

contact: rafael.araujo@fgv.br

carlquist.rafael@gmail.com

website: rafaelcraraujo.github.io

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”. PNAS

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

WORKING PAPERS:

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

“The value of tropical forests to hydropower”

“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 Restud

“Public attention reduced forest fires in Brazil”
with Francisco Costa (U. of Delaware) and Teevrat Garg (UCSD). Submitted

“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

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 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
190 Praia de Botafogo, RJ, Brazil
E-mail: marcelo.santanna@fgv.br

Teevrat Garg
School of Global Policy & Strategy
University of California - San Diego
1303 Robinson Building Complex, La Jolla, CA 92093
E-mail: teevrat@ucsd.edu