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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**](https://osf.io/preprints/socarxiv/dk4bc)**”** 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](https://voxdev.org/topic/energy-environment/fate-brazilian-amazons-carbon-stock),[2](https://voxdev.org/topic/energy-environment/deforestation-footprint-transportation-infrastructure-evidence-amazon)], Valor Econômico [[1](https://valor.globo.com/brasil/noticia/2021/10/19/estudo-estima-perda-de-chuvas-em-mt-com-desmate-no-xingu.ghtml),[2](https://valor.globo.com/empresas/noticia/2020/08/17/ferrograo-pode-desmatar-2-mil-km-no-mt.ghtml)], Nexo [[1](https://pp.nexojornal.com.br/opiniao/2021/Quem-paga-a-conta-do-desmatamento-somos-n%C3%B3s)], Folha de São Paulo [[1](https://www1.folha.uol.com.br/ambiente/2022/05/br-319-pode-impactar-area-da-amazonia-maior-que-estado-de-sp.shtml)].

**SELECTED POLICY REPORTS:**

Simulating Climate Risk Scenarios for the Amazon Rainforest, [AWS 2023](https://aws.amazon.com/pt/blogs/hpc/simulating-climate-risk-scenarios-for-the-amazon-rainforest/)   
Mapping the Effect of Deforestation on Rainfall, [CPI 2021](https://www.climatepolicyinitiative.org/publication/mapping-the-effect-of-deforestation-on-rainfall-a-case-study-from-the-state-of-mato-grosso/)   
Governance, Area of Influence, and Environmental Risks of Transp. Infra., [CPI 2021](https://www.climatepolicyinitiative.org/publication/governance-area-of-influence-and-environmental-risks-of-transport-infrastructure-investments-case-studies-in-the-state-of-para-2/)  
Weaknesses and Lessons Learned in Implementing Sustainable Infrastructure, [CPI 2020](https://www.climatepolicyinitiative.org/publication/ferrograo-weaknesses-and-lessons-learned-in-implementing-a-sustainable-infrastructure-agenda/)  
The Environmental Impacts of the Ferrogrão Railroad, [CPI 2020](https://www.climatepolicyinitiative.org/publication/the-environmental-impacts-of-the-ferrograo-railroad/)

**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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| 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 |

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| 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 |