

Arthur Bragança

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PERSONAL INFORMATION

Full Name: Arthur Amorim Bragança

Date of Birth: December 7, 1985

Nationality: Brazilian

EMPLOYMENT

The World Bank

Senior Economist: 2022-

Climate Policy Initiative, PUC-Rio

Head of Policy Evaluation: 2019-2022

Senior Analyst: 2018-2019

Department of Economics, PUC-Rio

Lecturer: 2016-2022

TRACES

Economist: 2015-2018

EDUCATION

Ph.D. in Economics, PUC-Rio, 2009-2014

Dissertation: Three Essays on Rural Development in Brazil

Supervisors: Juliano Assunção and Claudio Ferraz

Visiting Ph.D. Student, Harvard University (2013)

B.A. in Economics, Federal University of Minas Gerais (UFMG), 2004-2008

Visiting Student, Queen Mary University of London (2007)

RESEARCH INTERESTS

Applied Microeconomics, Environmental Economics, Public Economics

LANGUAGES

Portuguese (native), English (fluent), Spanish (intermediate)

PUBLICATIONS

1. "Cutting Special Interests by the Root: Evidence from the Brazilian Amazon" (with Ricardo Dahis). *Journal of Public Economics*, vol. 215, 2022. DOI
2. "Extension Services Can Promote Pasture Restoration: Evidence from Brazil's Low Carbon Agriculture Plan" (with Peter Newton, Avery Cohn, Juliano Assunção, Cristiane Camboim, Diego de Faveri, Barbara Farinelli, Viviana Perego, Mateus Tavares, Janei Resende, Sidney de Medeiros, and Timothy Searchinger), *Proceedings of the National Academy of Sciences*, vol. 119(12), 2022. DOI
3. "Geographic Heterogeneity and Technology Adoption: Evidence from Brazil" (with Juliano Assunção and Pedro Hemsley), *Land Economics*, vol. 95(4), pp. 599-616, 2019. DOI
4. "Predicting Intensification on the Brazilian Agricultural Frontier: Combining Evidence from Lab-In-The-Field Experiments and Household Surveys" (with Avery Cohn), *Land*, vol. 8(1), 21, 2019. DOI
5. "The Effects of Crop-to-Beef Prices on Deforestation: Evidence from the Tapajós Basin," *Environment and Development Economics*, vol. 23(4), pp. 391-412, 2018. DOI.
6. "The Economic Consequences of the Agricultural Expansion in Matopiba," *Revista Brasileira de Economia*, vol. 72, p. 161-185, 2018. DOI

WORKING PAPERS

7. "Decentralization, Enforcement, and Taxation: Evidence from Rural Land Taxes in Brazil" (with Diogo Britto, Alexandre Fonseca, Davi Moura, Breno Sampaio, André Sant'anna, and Dimitri Szerman), January 2024
8. "The Effects of Transportation Infrastructure on Deforestation in the Amazon: A General Equilibrium Approach" (with Juliano Assunção and Rafael Araújo), January 2024. *World Bank Policy Research Working Paper Series WPS 10415*. *Submitted*.

POLICY PAPERS

9. "Mining Royalties and Socioeconomic Development in the State of Pará," (with Rafael Araújo), *Climate Policy Initiative*, July 2022.
10. "Roadmap for Sustainable Infrastructure in the Amazon," (with Joana Chiavari, Luiza Antonaccio, Brenda Prallon, Rafael Araújo, Gabriel Cozendey, and Ana Cristina Barros), *Climate Policy Initiative*, July 2022.

11. "Redefining Priorities in Infrastructure Development in the Amazon: Evidence from the State of Pará," (with Mateus Morais), *Climate Policy Initiative*, May 2022.
12. "Accessibility in the Legal Amazon: Digital Solutions," (with Rafael Araújo and Juliano Assunção), *Amazônia 2030*, May 2022.
13. "Accessibility in the Legal Amazon: Delimiting the Area of Influence and Environmental Risks," (with Rafael Araújo and Juliano Assunção), *Amazônia 2030*, May 2022.
14. "Accessibility in the Legal Amazon: Measuring Market Access," (with Rafael Araújo and Juliano Assunção), *Amazônia 2030*, May 2022.
15. "The Economics of Cattle Ranching in the Amazon: Land Grabbing or Pushing the Agricultural Frontier?," (with Francisco Luis Lima Filho and Juliano Assunção), *Climate Policy Initiative*, October 2021.
16. "Governance, Area of Influence, and Environmental Risks of Transport Infrastructure Investments: Case Studies in the State of Pará," (with Luiza Antonaccio, Brenda Prallon, Rafael Araújo, Ana Cristina Barros, and Joana Chiavari), *Climate Policy Initiative*, September 2021.
17. "Increasing Cattle Productivity in the Amazon Requires New Technologies," (with Francisco Luis Lima Filho and Juliano Assunção), *Climate Policy Initiative*, June 2021.
18. "Measuring the Indirect Effects of Transportation Infrastructure in the Amazon," (with Juliano Assunção and Rafael Araújo), *Climate Policy Initiative*, October 2020.
19. "The Need to Better Define and Delimit the Area of Influence for Infrastructure Projects," (with Luiza Antonaccio, Ana Cristina Barros, and Joana Chiavari), *Climate Policy Initiative*, August 2020.
20. "The Environmental Impacts of the Ferrogrão Railroad: an *Ex-ante* Evaluation of Deforestation Risks," (with Juliano Assunção and Rafael Araújo), *Climate Policy Initiative*, March 2020.
21. "Productivity for Cattle Ranching in Brazil: Pastureland Declines Might Show a New Pathway," (with Juliano Assunção), *Climate Policy Initiative*, November 2019.
22. "Pathways for Sustainable Agricultural Production in Brazil: Necessary Investments and Potential Gains of Increasing Efficiency," (with Juliano Assunção), *Climate Policy Initiative*, June 2019.
23. "The Dynamics of Agricultural Technology Adoption in Brazil: Evidence Shows Three Distinct Patterns of Technology Uptake," (with Juliano Assunção), *Climate Policy Initiative*, October 2018.
24. "High Productivity Agricultural Techniques in Brazil: Adoption Barriers and Potential Solutions," (with Juliano Assunção and Pedro Hemsley), October 2013.

GRANTS

1. "Infrastructure in the state of Pará (Brazil)," Gordon & Betty Moore Foundation, 2020-2022, US\$ 1,228,000, Role: co-PI.
2. "Smart Infrastructure in the Brazilian Amazon," Gordon & Betty Moore Foundation, 2019-2021, US\$ 719,000, Role: co-PI.
3. "Experimental Evaluation of the ABC Cerrado Program," ClimateWorks, 2019-2020, US\$ 40,000. Role: PI.
4. "Assessing the Capital Costs of Maximizing Sustainable Agricultural Production in Brazil," World Wildlife Fund, 2018, US\$ 29,804. Role: PI.
5. "Causes and Consequences of Soy Expansion in the Matopiba region," Climate Policy Initiative, 2014-2015, US\$ 13,100. Role: PI.
6. "Estimating the Impact of Agricultural Expansion on Forests in the Tapajós Basin," Climate Policy Initiative, 2014-2015, US\$ 13,100. Role: PI.
7. "Climate Change, Crop Choice, and Agricultural Productivity in Brazil," Rede Clima, 2014-2015, R\$ 18,000. Role: Investigator.

SEMINARS AND CONFERENCES

- 2023. UFRJ
- 2022. Princeton, LACEA/LAMES, CEDEPLAR/UFMG
- 2021. UFV, NEUDC, Insper, LACEA/LAMES, RIDGE Forum on Political Economy, SBE Virtual Meeting
- 2020. USP, The World Bank, SBE Virtual Meeting
- 2019. Meeting of the Brazilian Econometric Society (SBE), AERE Summer Conference
- 2018. (and before) Meeting of the Brazilian Econometric Society (SBE), AERE Summer Conference, NEUDC, LACEA/LAMES (x2), PUC-Chile Economic History Lab, CEDEPLAR/UFMG, Fucape Business School, Harvard DRCLAS, Italian Summer School in Development Economics, Brown PTSC

MEDIA

Nexo, Poder 360, Mongabay, Folha de São Paulo, Veja, Nexo Políticas Públicas (1), Nexo Políticas Públicas (2), Globo Rural, Valor Econômico (1), Valor Econômico (2), O Globo, A Granja

PREDOCS (W/ SUBSEQUENT PLACEMENT)

Wallace Innocencio, (PhD in Economics, London School of Economics), Manuela Magalhães (PhD in Economics, Stanford University), Mateus Morais (PhD in Economics, London School of Economics), Brenda Prallon (PhD in Economics, Cornell University), Helena Arruda (Masters in Public Administration, FGV EAESP), Pedro Fernandes (Masters in Economics, Toulouse School of Economics), Julio Barros (Masters in Public Administration, Columbia University)

OTHER PROFESSIONAL ACTIVITIES

Teaching: Econometrics (Masters level, ENAP, 2022), Econometrics (Undergraduate Level, PUC-Rio, 2017-2022), Introduction to Statistics (Undergraduate Level, PUC-Rio, 2017), Introduction to Economics (Undergraduate Level, PUC-Rio, 2016)

Consulting: The World Bank, The Global Commission on the Economy and Climate

Referees: Nature Sustainability, Economic Journal, Nature Food, Environment and Development Economics, Land Economics, Land Use Policy, *EconomiA*, *Revista Brasileira de Economia*

Committees: João Vitor Vial Marchi (MSc, FGV EESP, 2023), Thiago Pereira Lobo (PhD, FGV EESP, 2023), Isabella Meyer (MSc, UFRJ, 2023), Julia Diniz Calatrone (MSc, ENAP, 2023), Cicero Francisco de Lima (PhD, UFC, 2022), Lucas de Almeida Nogueira da Costa (Msc, UFRJ, 2022), Pedro Levy Schott Pacheco (MSc, FGV EPGE, 2021), Katia Aiko Nishiyama Alves (PhD, FGV EPGE, 2020), Brenda Prallon (MSc, FGV-EMAP, 2020), Roberta Olivieri (MSc, PUC-Rio, 2020), Nathalia Sales (MSc, UFRJ, 2020), Livia Gouvêa Gomes (PhD, PUC-Rio, 2019), Roberta Beck Tabajara (MSc, PUC-Rio, 2019), Bruno Zanotto Vigna (PhD, UFRJ, 2019), Aparajita Das (PhD, PUC-Rio, 2018), Pedro Fernandes (MSc, UFRJ, 2018), Andre Albuquerque Sant'anna (PhD, UFRJ, 2018), Marcelo Dias Paes Ferreira (PhD, UFV, 2015), Vitória Rabello de Castro (MSc, PUC-Rio, 2015)