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Citizenship: Colombian & Spanish

Employment

- **Research Economist**, Bank of Spain, Economic Monitoring and Forecasting Division 2025 - Present

Education

- **Ph.D. Economics**, Universidad Carlos III de Madrid 2021 – 2025
Thesis: “Essays on the Quantitative Analysis of Climate Heterogeneity”, *Cum Laude*
Supervisor: [Jesús Gonzalo](#)
- **Visiting Ph.D. Student**, Aarhus University Spring 2024
- **M.Sc. Economic Analysis**, Universidad Carlos III de Madrid 2019 – 2021
- **M.Sc. Economic Sciences**, Universidad Nacional de Colombia 2015 – 2017
- **B.Sc. Economics**, Universidad Nacional de Colombia 2011 – 2015

Research interests

- **Primary:** Time Series Econometrics, Climate Economics, Applied Macroeconomics
- **Secondary:** Applied Econometrics, Development Economics

Research and Publications

Journal Publications

- Jaulín, O. and Ramos, A. [Becoming Green: Decomposing the Macroeconomic Effects of Green Technology News Shocks](#). **Energy Economics** 2026; 157: 109228. doi.org/10.1016/j.eneco.2026.109228.
- Rios-Avila, F., Ramos, A., Canavire, G. and Siles, L. [Estimation of Quantile Regressions with Fixed Effects](#). **The Stata Journal** 2026; 26(1): 11-131. doi.org/10.1177/1536867X261425793.
- Canavire, G., Puerta, A. and Ramos, A. [On the Effects of Wildfires on Poverty in Bolivia](#). **Journal of Development Economics** 2025; 175: 103494. doi.org/10.1016/j.jdeveco.2025.103494.
- Gadea, M.D, Gonzalo, J. and Ramos, A. [Trends in Temperature Data: Micro-foundations of Their Nature](#). **Economics Letters** 2024; 244: 111992. doi: 10.1016/j.econlet.2024.111992.
- Pappa, E., Ramos, A. and Vella, E. [Which Crisis Support Fiscal Measures Worked During the Covid-19 Shock in Europe?](#) **SERIEs-Journal of the Spanish Economic Association** 2024; 15: 327-348. doi: 10.1007/s13209-023-00288-w.
- Chen, L., Dolado, J.J., Gonzalo, J. and Ramos, A. [Heterogeneous predictive association of CO₂ with global warming](#). **Economica** 2023; 90(360): 1397-1421. doi: 10.1111/ecca.12491.

Working Papers

- [Quantitative Analysis of Climate Heterogeneity via an Unconditional Quantile Vector Error Correction Model](#)
- [High-frequency Density Nowcasts of State-Level Carbon Dioxide \(CO₂\) Emissions in the U.S.](#), with Ignacio Garrón
- [Here Comes the Rain: Weather Shocks and Economic Outcomes in Ecuador](#), with Gustavo Canavire and Alejandro Puerta

Work in Progress

- Temperature Distributional Shocks: Identification and Macroeconomic Effects, with Lola Gadea and Jesús Gonzalo
- Macroeconomic Outcomes at Risk and the Time-Varying Effect of Climate Shocks, with Ignacio Garrón and Oscar Jaulín

Teaching

- **Universidad Carlos III de Madrid, 2019-2024.** Teaching Assistant for the courses:
 - ◇ Econometrics III: Panel Data and Time Series (PhD level). Fall 2021*, 2022, 2023*, and 2024*
 - ◇ Econometrics II: ARIMA, VAR and Cointegration (Master level). Spring 2021*, 2022, 2023, and 2024
 - ◇ Econometric Techniques (Bachelor level). Fall 2022 and 2023*
 - ◇ Urban and Regional Economics (Bachelor level), Fall 2020*
 - ★ Awarded for Excellence in Teaching
- **Universidad Nacional de Colombia, 2016-2019.** Main instructor for the courses:
 - ◇ Advanced Econometrics (Master level). Semesters 2018-II and 2019-I
 - ◇ Econometrics I (Bachelor level). Semesters 2016-II, 2017-I, 2017-II, 2018-I
 - ◇ Microeconometrics I (Bachelor level). Semester 2018-II
 - ★ All Teaching Evaluation Scores above 4.2/5.0

Other Experience

- **Referee:** Latin American Economic Review, Journal of Applied Econometrics, The Econometrics Journal
- Research Consultant, *World Bank Group*, 2023-2024
- Professional for Economic Valuation of Environmental Impacts, *Servicios Ambientales y Geográficos S.A.*, 2015-2019
- Research and Administrative Assistant in Leisure and Cultural Economics, *Universidad Nacional de Colombia*, 2012-2017
- Academic Visiting, *Universidad de la República de Uruguay*, 2017

Presentations in Seminars, Workshops, and Conferences

- **2026:** ASSA 2026 Annual Meeting (Poster Session); XVI Workshop in Time Series Econometrics (University of Zaragoza)
- **2025:** ASSA 2025 Annual Meeting (Poster Session); Job Market Seminars at Universidad Diego Portales, Aarhus University, University of Glasgow, Banco de España, Tecnológico de Monterrey, HSE University, Universidad del Rosario, and Banque de France; PhD Economics Virtual Seminar (Online); XV Workshop in Time Series Econometrics (University of Zaragoza); Climate Finance 2025: New Contributions in Climate Finance and the Hydrogen Economy (ICADE at Universidad Pontificia de Comillas); 2025 European Winter Meeting of the Econometric Society (University of Cyprus)
- **2024:** Research Seminar at the CID (Universidad Nacional de Colombia, Online); Virtual Workshop for Junior Researchers in Time Series (VTSS, Online); 2024 EAYE Annual Meeting (Paris School of Economics); ENTER Jamboree (Université Libre de Bruxelles); IAAE Annual Conference (University of Macedonia); 44th International Symposium on Forecasting (International Institute of Forecasters, Dijon); EMCC-VIII Econometric Models of Climate Change (King's College, University of Cambridge); 2024 European Climate and Energy Modelling Platform (European Commission); 18th International Joint Conference CFE-CMStatistics 2024 (King's College London); 49th Symposium of the Spanish Economic Association (University of Illes Balears)
- **2023:** IAAE Annual Conference (BI Norwegian Business School, Oslo); EMCC-VII Econometric Models of Climate Change (Vrije Universiteit Amsterdam); ENTER Jamboree (University of Mannheim, Discussant)
- **2022:** XII Workshop in Time Series Econometrics (University of Zaragoza); EMCC-VI Econometric Models of Climate Change (Toulouse School of Economics); ENTER Jamboree (Universidad Autónoma de Barcelona, Discussant)

Additional Coursework

- **2024:** Macroeconomics and Climate Change (CEMFI, Instructors: *John Hassler* and *Per Krusell*)
- **2023:** Local Projection Methods for Time Series and Panel Data (CEMFI, Instructor: *Óscar Jordà*); Econometrics of Program Evaluation using Stata (Timberlake Consultants, Instructor: *Giovanni Cerulli*)
- **2022:** High Dimensional Time Series: Factor Models (Barcelona School of Economics, Instructor: *Luca Sala*); High-Dimensional Time Series: Big Data and Machine Learning (Barcelona School of Economics, Instructor: *Christian Brownlees*)
- **2021** The Economics and Econometrics of Climate Change Policy (CEMFI, Instructor: *James Stock*)

Fellowships, Honors, and Awards

- Grant *Formación de Personal Investigador (FPI)*. Ministry of science and innovation of Spain, 2022-2025
- Grant *Programa de Personal Investigador Predoctoral en Formación (PIPF)*, UC3M, 2021-2022
- Grant *Programa de Estudios en el Exterior*, Banco de la República de Colombia, 2019-2021
- *Summa Cum Laude* distinction to Master's thesis, Universidad Nacional de Colombia, 2017
- Master Programme Scholarship, Universidad Nacional de Colombia, 2015-2017
- *Degree in Economics with Honors*, Universidad Nacional de Colombia, 2015

Personal and Technical Skills

- Languages: Spanish (Native), English (C2), French (B1 and improving)
- Programming: R, Matlab, Julia (Basic), Python (Basic)
- Statistics: R, Stata, Eviews, SPSS
- Others: QGIS, ARCGIS

Last updated: March 26, 2026