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FIELDS OF INTERESTS: International Macroeconomics, Economic Growth, Environmental Economics.

AFFILIATION

Banco Central de Chile, Medium-Term Macroeconomic Forecasting Department
Senior Economist (Nivel 18), May 2026 – Present

EDUCATION

Ph.D. in Economics, Johns Hopkins University, December 2020.

M.A. in Economics, Johns Hopkins University, June 2018.

M.Sc. in Economics, Bocconi University, Milan, March 2013.

B.A. in Business Administration, LUISS University, Rome, September 2010.

Baccalauréat Économique et Social, Lycée Chateaubriand, Rome, June 2007.

PAST WORK EXPERIENCE

Senior Economist (Nivel 17), Banco Central de Chile, Medium-Term Macroeconomic Forecasting Department, October 2021 – April 2026.

Research Officer, IMF (IEO), February 2021 – September 2021.

Fiscal Policy and Surveillance Advisor, IMF (FAD), October 2020 – January 2021.

Teaching Assistant, Johns Hopkins University, 2015–2020.

PhD Intern (FIP), IMF (IEO), Summer 2019.

Research Analyst, European Central Bank, Forecast Administration, April–July 2014.

Trainee, European Central Bank, DG Economics, March 2013–February 2014.

Intern/Visiting Scholar, Fondazione Eni Enrico Mattei, September 2012–February 2013.

POLICY WORK

"Tipo de Cambio Real de Largo Plazo", with Lucas Bertinatto, Valentina Cortés, Jorge Fornero, Ítalo González, Felipe Guzmán, Eduardo Herrera y Mía Juul. Policy Note cited in the March 2026 Monetary Policy Report (in Spanish).

“Estimaciones del Tipo de Cambio Real de Equilibrio”, with Valentina Cortés, Jorge Fornero, Ítalo González y Carlos Molina. Policy Note cited in the December 2022 Monetary Policy Report (in Spanish).

“PIB Tendencial y Potencial”, with Sofía Bauducco, Gabriela Contreras, Jorge Fornero, Juan Guerra-Salas, Josefa Guerrero y Manuel Taboada. Policy Note cited in the December 2022 Monetary Policy Report (in Spanish).

“The IMF and Capacity Development – Evaluation Report”, Independent Evaluation Office of the IMF. Part of the team led by Michael Kell, and including Louellen Stedman, Anthony De Lannoy, Roxana Pedraglio, Sriram Balasubramanian and Lukasz Jannils, 2022.

“What Factors Correlate with CD Outcome Ratings? An Application of Bassanetti (2021) Framework”, appearing in “The IMF and Capacity Development: Monitoring, Evaluation, and Effectiveness” by Ruben Lamdany, 2022.

“Analysis and Advice on Capital Account Developments: Flows, Restrictions, and Policy Toolkits” (with Nicoletta Batini), IEO Background Paper, 2020.

PUBLICATIONS

“Trade, Innovation, and Natural Capital: Growth Dynamics Near Ecological Thresholds” (with Nicoletta Batini), *European Economic Review, Volume 187, July 2026, 105351.*

“Introducing Natural Capital in Macroeconomic Modeling” with Nicoletta Batini (Chapter in *Implications of Climate Change and Ecosystem Services Degradation for Macroeconomic and Financial Stability*), Central Bank of Chile, 2025.

“A Preliminary Assessment of the Economic Effects of Climate Change in Chile” (with Felipe Beltrán, Mario González-Frugone and Javier Moreno), *Latin American Journal of Central Banking, Volume 6, Issue 3, September 2025.*

“Estimating the Output Gap in Times of COVID-19” (with Jorge Alberto Fornero), *Latin American Journal of Central Banking, Volume 5, Issue 4, December 2024.*

“Climate Macroeconomic Modelling Handbook” (work coordinated and led together with Elías Albagli, Mario Gonzalez and Stephen Murchison), *Network for Greening the Financial System*, 2024.

“Crowding In-Out of Public Investment” (with Raphael Espinoza, William Gbohoui, and Mouhamadou Sy), Chapter in *“The Great Reset: European Public Investment Outlook”*, 2021.

WORKING PAPERS

“Macroeconomic Effects of Brown Energy Price Changes: a Model Comparison” (with Matthias Burgert, Matthieu Darracq Pariès, Mario González, Romanos Priftis, Oke Röhe, Matthias Rottner, Edgar Silgado-Gómez, Nikolai Stähler and Janos Varga), appearing as NGFS Occasional Paper, BIS WP, Banco de España WP, ECB WP, 2025. ***Submitted.***

"Accounting for Nature in Economic Models" (with Nicoletta Batini), Central Bank of Chile WP, 2024.

"Facing the Global Financial Cycle: What Role for Policy" (with Nicoletta Batini), IMF Working Paper, 2021.

"The Fiscal Multiplier of ESI Funds: Aggregate and Sectoral Effects with an Application to Slovenia" (with Raphael Espinoza), IMF Working Paper, 2021.

WORK IN PROGRESS

"Climate Change and Monetary Policy: Modeling Electricity Markets in a Neo-Keynesian Model" (with Benjamin Garcia and Mario González-Frugone).

"Setting up the XMAS Lights: Introducing a Diversified Energy Matrix in the Central Bank of Chile's main DSGE Model" (with Benjamin Garcia and Mario González-Frugone).

"Sectoral Output Gaps in a Neo-Keynesian Model with Input-Output Linkages" (with Agustin Diaz, Benjamin Garcia, Mario Giarda, Jorge Fornero and Maria Josefina Henriquez).

"What influences the Fiscal Multiplier of European Structural Investment Funds? Uncovering Sources of Heterogeneity and Spillovers" (with Raphael Espinoza and Italo Gonzalez).

"Informality in HANK Models", with Alex Chernoff, Miroslava Quiroga, Francisco Ramos, Christian Velasquez and Alberto Vindas.

"Real Exchange Rate Undervaluation and Growth with Credit Constraints"

TEACHING

Macroeconomics, International Macroeconomics, Johns Hopkins University, 2015–2020.

GRANTS, AWARDS AND HONORS

Fellowship, Johns Hopkins University, Department of Economics, 2014–2020.

The Owen Scholars Fellowship, Johns Hopkins University, 2014–2017.

Premio de Banca Central "Rodrigo Gómez" 2023: Honorary mention for the work "Estimating Potential Output in Times of COVID-19".

PROFESSIONAL ACTIVITIES

Seminars & Presentations: Johns Hopkins University (2019), European Central Bank (2020, 2023), Bank of England (2020), Bank of Italy (2020), Economic Research Southern Africa (2020), IMF (2021), European Commission (2021), Banco Central de Chile (2021, 2023), World Bank (2023†), CEMLA (2023†), 7th Annual Research Conference on Macroeconomic and Financial Aspects of Climate Change co-organized by Bank of Spain & Universidad Carlos III Madrid (2024†), Network for Greening the Financial System (2024), Sveriges Riksbank (2024), Bank of Italy "Workshop on the economic implications of climate change and the transition to a low-carbon economy” (2024), Central Bank of Costa Rica (2025), Bank of Spain (2025), NGFS (2025), European Commission JRC workshop on the benefits of climate action (2025), European Central Bank workshop “vanishing nature, rising risk: A central banking and supervisory lens on ecosystem degradation” (2025), London School of Economics “Workshop on Nature and Macroeconomic Models” (2026)†.

† *Presentation by a co-author.*

Referee Activities: The B.E. Journal of Macroeconomics, Economics (De Gruyter Open Access), Economic Modelling, Journal of Macroeconomics, Applied Economics, Central Bank of Chile Working Paper Series (DTBC).

Schools: Mathematics Research Centre “Ennio De Giorgi” (2013), CEMLA Workshop on DSGE Modeling and Climate Risk for Central Banks (2023), Topics in Monetary Economics, Study Center Gerzensee (2026).

LANGUAGES: English (Fluent), French (Fluent), Italian (Native), Spanish (Fluent).

NATIONALITY: Italian.