

CURRICULUM VITAE

MAR REGUANT

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CONTACT

Department of Economics
Northwestern University
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PERSONAL

Citizenship: US and Spain. Two children (born 2017 and 2019).

PROFESSIONAL AND ACADEMIC EXPERIENCE

2022 –present: ICREA Researcher Institut d'Anàlisi Econòmica (part-time)
2022 –present: Professor, Northwestern University (part-time)
2022 –2023: BSE Research Fellow
2018 – present: NBER Research Associate, IO and EEE programs
2016 – present: CEPR Research Affiliate, IO program

Previous experience:

2017 –2022: Associate Professor (with tenure), Northwestern University
2015 – 2017: Assistant Professor, Northwestern University
2011 – 2015: Assistant Professor, Stanford Graduate School of Business
Fall 2019: Visiting Scholar, Harris School of Public Policy.
Fall 2018: Visiting Scholar, Universitat Autònoma de Barcelona.
2013 – 2014: Visiting Assistant Professor, Toulouse School of Economics
2012 – 2018: NBER Faculty Research Fellow, IO and EEE programs

EDUCATION

2006 – 2011 PhD in Economics, Massachusetts Institute of Technology
Primary advisors: Nancy L. Rose and Stephen P. Ryan
Dissertation: *Essays in Energy and Environmental Markets*
2002 – 2006 Llicenciatura in Economics, Universitat Autònoma de Barcelona

PUBLISHED AND ACCEPTED ARTICLES

1. Price and Quantity Discovery without Commitment, with Estelle Cantillon and Stefan Bergheimer, accepted, *International Journal of Industrial Organization*.
2. The Investment Effects of Market Integration: Evidence from Renewable Energy Expansion in Chile,

- with Luis Gonzales and Koichiro Ito, accepted, *Econometrica*.
3. “Smart Meters and Retail Competition: Trends and Challenges,” with Jacint Enrich, Ruoyi Li, and Alejandro Mizrahi, *AER Papers & Proceedings*, 2022, 112: 461–465.
 4. Comment on: “Climate Change Uncertainty Spillover in the Macroeconomy”, for the 36th Annual Conference on Macroeconomics, 2021.
 5. “Energy and Environmental Markets, Industrial Organization, and Regulation,” with Ryan Kellogg, chapter for the *Handbook of Industrial Organization*, 5 (1), 615-742.
 6. “Mitigating Emissions Leakage in Incomplete Carbon Markets”, with Meredith Fowlie, *Journal of the Association of Environmental and Resource Economics*, 2022, 9: 2, 307-343.
 7. “Border Carbon Adjustments When Carbon Intensity Varies Across Producers: Evidence from California,” with Meredith Fowlie and Claire Petersen, *AER Papers & Proceedings*, 2021, 111: 401-405.
 8. “Estimating the Elasticity to Real Time Pricing: Evidence from the Spanish Electricity Market,” with Natalia Fabra, Dave Rapson and Jingyuan Wang, *AER Papers & Proceedings*, 2021, 111: 425-429.
 9. “A Model of Search and Price Discrimination,” with Natalia Fabra, *European Economic Review*, 2020, vol. 129(C).
 10. “Machine Learning from Schools about Energy Efficiency,” with Fiona Burlig, Chris Knittel, Dave Rapson and Catherine Wolfram, forthcoming, *Journal of the Association of Environmental and Resource Economics*.
 11. “The Short-run and Long-run Effects of Covid-19 on Energy and the Environment,” with Kenneth T. Gillingham, Christopher R. Knittel, Jing Li, and Marten Ovaere. *Joule*, 4: 1-5, 2020.
 12. “The Efficiency and Distributional Implications of Large-Scale Renewable Policies,” *Journal of the Association of Environmental and Resource Economics*, 2019, 6:S1, S129-S168. Online appendix.
 13. “Challenges in the Measurement of Leakage Risk,” with Meredith Fowlie, *American Economic Review Papers&Proceedings*, 2018.
 14. “Sequential Markets, Market Power and Arbitrage,” with Koichiro Ito, *American Economic Review*, 2016, 106(7): 1921-1957.
 15. “Market-Based Emissions Regulation and Industry Dynamics,” with Meredith L. Fowlie and Stephen P. Ryan, *Journal of Political Economy*, 2016, 124(1): 249-302.
 16. “Complementary Bidding Mechanisms and Startup Costs in Electricity Markets,” *Review of Economic Studies*, 2014, 81(4): 1708-1742.
 17. “Pass-through of Emissions Costs in Electricity Markets,” with Natalia Fabra, *American Economic Review*, 2014, 104(9): 2872-2899.

WORKING PAPERS AND SELECTED WORK IN PROGRESS

1. “The Distributional Impacts of Real-Time Pricing,” with Michael Cahana, Natalia Fabra and Jingyuan Wang.
2. “Measuring the Impact of Time-of-Use Pricing on Electricity Consumption: Evidence from Spain,” with Jacint Enrich, Ruoyi Li, and Alejandro Mizrahi, *R&R* and the *Journal of Environmental Economics and Management*.
3. “Measuring the Impact of Wind Power and Intermittency,” with Claire Petersen and Lola Segura, *R&R at Energy Economics*.
4. “Bounding Equilibria in Counterfactual Analysis,” with Francisco Pareschi.
5. “Energy Transitions in Regulated Markets,” with Gautam Gowrisankaran and Ashley Langer.

POLICY REPORTS AND OTHER WORK

- “Report on Climate Change,” with Christian Gollier, as part of the report “The major future economic challenges,” by Olivier Blanchard and Jean Tirole, 2021.

- “Low oil prices during COVID-19 and the case for removing fuel subsidies,” with Joevas Asare, and Moussa Saab and Camila Sacchetto. Policy brief, International Growth Center, 2020.
- “Measuring Leakage Risk,” with Meredith Fowlie and Stephen P. Ryan. Report for the California Air Resources Board, 2016.
- “Competencia en el Mercado Electrico Chileno,” with Natalia Fabra and J.P. Montero. Report for the Fiscalía Nacional Economica de Chile (in Spanish), 2014.
- “Grandfathering and the Endowment Effect: An Assessment in the Context of the Spanish National Allocation Plan,” with A. Denny Ellerman, CEEPR WP-2008-018.

HONORS, AWARDS AND FELLOWSHIPS

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| 2019 | Presidential Early Career Award in Science and Engineering (PECASE) Award |
| 2019 | EAERE Award for Researchers in Environmental Economics under the Age of Forty |
| 2017 | XVI Banco Sabadell Award for Economic Research |
| 2016 | Sloan Research Fellowship |
| 2016 | Norwegian School of Economics Sandmo Junior Fellowship |
| 2014 | Distinguished CESifo Affiliate Award on Applied Microeconomics |
| 2014 | TSEconomist Best Teacher Award for Master 2 |
| 2013 | Inaugural Lecture at the Department of Economics, Universitat Autònoma de Barcelona |
| 2011 | Review of Economic Studies Tour |
| 2009-2011 | Ramón Areces Fellowship |
| 2008-2009 | ABB-MIT Energy Fellowship |
| 2008 | Participant at the Institute on Computational Economics, University of Chicago |
| 2006-2008 | “la Caixa” Fellowship for Graduate Studies |

GRANTS

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| 2021-2026 | Principal Investigator: “ENECML: Understanding the Energy Transition with a Machine Learning Toolbox”, European Research Council Consolidator Award. |
| 2015-2020 | Principal Investigator: “Empirical Studies of Electricity Markets: The Impact of Renewable Energy”, National Science Foundation CAREER Award. |
| 2013-2015 | Co-principal Investigator: “Measuring and monitoring potential cap-and-trade program-related greenhouse gas emissions leakage in emissions-intensive, trade exposed industries” (with Meredith Fowlie, Wayne Gray, Joshua Linn, Richard Morgenstern, Stephen Ryan), California Air Resources Board. |
| 2021-2026 | Principal Investigator: “Measuring and monitoring potential cap-and-trade program-related greenhouse gas emissions leakage in emissions-intensive, trade exposed industries”, European Research Council (ERC) Consolidator Award. |

PROFESSIONAL ACTIVITIES

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| 2022- | CEPR Vice-President of Climate Change |
| 2020- | Co-Editor, <i>Journal of the Association of Environmental and Resource Economists</i> |
| 2019- | IGC Energy programme director |
| 2020- | Foreign Editor, <i>Review of Economic Studies</i> |

2020- Associate Editor, *The RAND Journal of Economics*
 2015- Associate Editor, *Journal of Industrial Economics*

2021-2022 CEPR IO Programme director
 2017-2022 Co-Editor, *International Journal of Industrial Organization*

Board of editors: American Economic Journal: Applied, Journal of Economic Literature.

Conferences (selected): CEPR IO Summer Conference (co-organizer, 2020), NBER Economics of Electricity Markets and Regulation Workshop (2019), NBER Industrial Organization Summer Institute meeting (co-organizer, 2018), ASSA Meetings Program Committee (2018), NBER Environmental and Energy Economics Summer Institute meeting (co-organizer, 2016), member of scientific committee (EARIE 2015/2016, SAE 2016, SED 2016/2017, ES Winter Meetings 2017).

Referee (selected): American Economic Review, Journal of Political Economy, Review of Economic Studies, Econometrica, The RAND Journal of Economics, Journal of Economics and Management Strategy, Journal of Public Economics, AEJ: Applied Economics, AEJ: Economic Policy, AEJ: Microeconomics, Journal of Applied Econometrics, Journal of Industrial Economics, International Journal of Industrial Organization, European Economic Review, International Economic Review, Journal of Economic Behavior and Organization, Quantitative Economics, Economic Theory, Empirical Economics, The Energy Journal, Journal of Environmental Economics and Management, Journal of the Association of Environmental and Resource Economists, Environmental and Resource Economics, Review of Environmental Economics and Policy, Operations Research, Management Science.

OTHER SERVICE

Founder and director of the EconLab at Northwestern for undergraduate research.
 Member of the Advisory Committee of the Alfred P. Sloan Foundation's Energy and Environment Program (2016-2020).
 Organizer of the Midwest Energy Fest, Northwestern (2016, 2018, 2020).
 Organizer of the Industrial Organization Fest, Bay Area conference (2012, 2014).
 Junior Recruiting committee member, Stanford GSB (2012, 2013).
 Faculty Advisor for MBA Study Trip, Stanford GSB (Dominican Republic and Haiti, 2013; China, 2015).

TEACHING EXPERIENCE

Stanford GSB MBA Data and Decisions (2012, 2013, 2015).
 Stanford GSB PhD Resources and Energy Economics (2013, 2015).
 TSE Master's Strategy (2013).
 TSE PhD Industrial Organization (2013).
 Northwestern Energy Economics (2016, 2017, 2019, 2020, 2021).
 Northwestern PhD Industrial Organization (2016, 2019, 2020, 2023).
 BSE Empirical Methods for the Analysis of the Energy Transition (2023)

ADVISING

Graduate

- Whichsinee Wibulpolprasert (Stanford, PhD 2014, Analysis Group).
- James Myatt (Northwestern, PhD 2018, Cornerstone).
- Lola Segura (Northwestern, PhD 2018, Analysis Group).
- Yuta Toyama (Northwestern, PhD 2018, Waseda University).
- Nicky Vreugdenhil (Northwestern, PhD 2019, ASU).
- Current students: Francisco Pareschi, Jingyuan Wang, Ting Wang, Tomás Wilner, Matt O’Keeffe.

Undergraduate/Predocs (EconLab/EnergyHub)

- Sara Johns (2017, Stanford RA, UC Berkeley ARE PhD program)
- Michael Cahana (2018, UChicago EPIC RA)
- Ryan Broll (2020, Stanford RA)
- Tianyu Luo (2020, UChicago EPIC RA, Columbia PhD program)
- Claire Petersen (2021, Marshall Scholar)
- Rui Du (2021, Stanford GSB PhD program)
- Yixin Zhou (2021, UChicago EPIC RA)
- Ruoyi Li (2022, PSE M1)
- Alejandro Mizrahi (2022, TSE PhD program)

INVITED SEMINARS AND CONFERENCE PRESENTATIONS

2022 Harvard Kennedy School, Queen Mary, Oxford, Innsbruck, Toulouse School of Economics, CEPR Paris Symposium, Leuven IO Workshop, CSIO-TSE Conference (discussant), Bank of Spain, NBER EEE (discussant), LSE Environment Week, Institut d’Anàlisi Econòmic.

2021 EARIE conference (invited), EEA-ESEM conference (invited), Barcelona Summer Forum, TSE-CSIO (discussant), Cowles (discussant), Macro Annual (discussant), Geneva, Albany, Delaware, Imperial, UPenn, Penn State, Yale, Maryland, UPF, UMass Amherst, NBER IO (discussant).

2020 University of California at Santa Barbara, University of Wisconsin at Milwaukee, Michigan State University, CEPR ViOS, Stockholm School of Economics.

2019 AEA meetings, Washington U. at St. Louis, World Bank, CREST Paris, Jornadas de Economía Industrial (Madrid), University of Toronto, Grantham Institute for Climate Change (LSE), EPIC seminar (UChicago), Environmental Defense Fund.

2018 MIT/Harvard IO Semnar, Columbia SIPA, University of Warwick, University of Virginia, New York University Stern, Carnegie Melon, Columbia University, TSE Workshop on Environmental Regulation and Industrial Performance, Conference on Renewable Energy and Electricity Markets at University of Alberta, Barcelona GSE Summer Forum, Oxford Energy Workshop, Universitat Autònoma de Barcelona, Universidad de Navarra, CEMFI, Universitat Pompeu Fabra, Universitat de Barcelona, UChicago Harris.

2017 Triangle Microeconomic Conference (UNC), Stanford SITE conference, CIRANO-GERAD Workshop on the Applications of Industrial Organization, UC Berkeley, Yale University, Dartmouth College, University of Minnesota, Fifth Green Growth Knowledge Platform Annual Conference (keynote), Universitat Autònoma de Barcelona.

2016 ASSA Meetings, NBER IO Winter meeting, Penn State, Texas A&M, Iowa State, Harvard, Boston College, Maryland, Mannheim Energy Conference (keynote), International Association Energy Economics conference (plenary session), SED conference, Arizona State University, University of Arizona, Colorado Mines, Georgetown University, Chicago Booth, The University of Chicago.

2015 UPenn, Northwestern U, Harvard Kennedy School, U Michigan, UC Davis, CEMMAP Conference (London), Stanford SITE, Econometric Society World Congress (Montreal), CSIO-IDEI Conference (Toulouse), St. Louis Olin School, NDAM Conference (Caltech).

2014 Universitat Autònoma de Barcelona, CESifo Area Conference in Applied Microeconomics, London School of Economics, Enaudi Institute, IFN Stockholm, SITE Stockholm, University of Gothenburg, UCLA Anderson, MIT, Paris School of Economics, École Polytechnique, Kellogg, CEMFI, HEC Montreal, Carnegie Mellon, Wharton, Calgary, Edmonton, Duke Young Microeconomists Jamboree, UIUC, Chicago, Department of Justice, Ohio State, UC Berkeley, 7th Taller de Organización Industrial, Pontificia Universidad Católica de Chile, UBC.

2013 Columbia U, U Michigan, Yale U, IIOC (Boston), North American Summer Meeting Econometric Society (USC), UPF, IESE.

2012 Resources for the Future, Universidad del Pais Vasco, Toulouse School of Economics, UC3M, Minneapolis Federal Reserve, 5th Atlantic Workshop on Energy and Environmental Economics, University of Arizona, AEA Meetings.

2011 London School of Economics, UT Austin, Duke University, Chicago Booth, Toronto at Scarborough, Cornell, Princeton, U Penn, Northwestern, Stanford, Wisconsin-Madison, Toulouse School of Economics, Universitat Autònoma de Barcelona, London Business School, Stockholm School of Economics, CEMFI, UC Berkeley, Yale.

2010 International Industrial Organization Conference (IIOC), XXXV Simposio de Analisis Economico, IESE Barcelona, AEA Meetings.