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GREGORY CASEY

Current Positions:

Associate Professor, Department of Economics, Williams College, 7/2024 – Present
CESifo Research Affiliate (Energy and Climate Economics), 2019 – Present

Previous Positions:

Senior Economist, White House Council of Economic Advisers, 7/2024 – 3/2025
Assistant Professor, Department of Economics, Williams College, 2018 – 2024
Visiting Scholar, Population Training and Studies Center, Brown University, Fall 2023
Visiting Scholar, Federal Reserve Bank of San Francisco, 10/22, 5/23, 3/24, 8/25
Visiting Scholar, Department of Economics, UC Santa Barbara, 2022 – 2023
Short-term Consultant, World Bank, Spring 2022, Summer 2023
Visiting Research Scholar, Institute for Social and Economic Research, Osaka U., 6/19
Contractor, Carnegie Institution for Science (Caldeira Lab), Winter 2016
Analyst, Cornerstone Research, 2010 – 2012

Doctoral Studies:

Brown University, Ph.D. in Economics, 2012 – 2018
Dissertation: "Essays in Economic Growth"

Pre-Doctoral Studies:

M.S., Economic Development Policy, Sir Arthur Lewis Institute for Social and Economic Studies (SALISES), University of the West Indies (UWI), Mona, Jamaica, 2010
B.A., Economics and Mathematics, Hamilton College, Clinton, NY, 2009

Fields: Environmental Macroeconomics, Economic Growth

Teaching Experience:

Primary Instructor

2025 – Present	Climate and Industrial Policy, Williams College
2022 – Present	Macroeconomics, Williams College
2018 – Present	Sustainable Economic Growth, Williams College
2018 – 2022	Topics in Macroeconomics/Growth, Williams College
2019 – 2021	Principles of Macroeconomics. Williams College
2014 – 2016	Intermediate Macroeconomics, Brown University

Graduate Supervisor

Yang Gao (UCSB Ph.D. Dissertation, committee member, Fall 2023 – Present)

Other Activities

2015 – 2016	Teaching Consultant, Sheridan Center for Teaching and Learning, Brown University
2014 – 2015	Participant, Reflective Teaching Certificate Program, Sheridan Center for Teaching and Learning, Brown University

Seminars, Panels, and Discussions:

2026	AEA Annual Meeting (x2), LAEF-UConn, McMaster, Snowmass, Union, Virtual Seminar on Climate Economics. Scheduled: Princeton-Sloan, NBER.
2025	Brookings, Econometric Society/CEPR (ESIF-CLIM), PSU/EPA Workshop on Macro Impacts of Environmental Shocks (discussant), Snowmass, University of Tennessee
2024	AERE summer conference, AERE@ASSA (discussant), AERE@EEA, AERE@MEA, Australian Climate Economics Seminar Series, European Commission (x2), Federal Reserve Bank of Dallas, Federal Reserve Bank of Kansas City, Federal Reserve Bank of San Francisco, SURED
2023	AEA (Panelist for "Climate Change, Economic Inequality, and Economic Growth in the US"), Brown University (x3), Colby College, Federal Reserve Bank of San Francisco, Institute for International Economic Studies, UCSB Bren (x2), UCSB Econ, Virtual Seminar in Climate Economics, Yale University
2022	IMF Conference on Transformational Crises, Federal Reserve Board of Governors, Occasional Environmental Economics Workshop (UCSB), Society for Economic Dynamics, UCSB Econ, University of Arizona, Washington Center for Equitable Growth, Williams College
2021	ASSA (AERE Sessions), STEG-CEPR Annual Conference, Society for Economic Dynamics, Western Economic Association, World Congress of the International Economic Association
2020	Liberal Arts Macro, Sustainable Resource Use and Economic Dynamics
2019	CESifo (Energy and Climate Economics), Midwest Macroeconomics Spring Meeting, North American Winter Meeting of the Econometric Society, Society for Economic Dynamics, Workshop on Economic Dynamics (Wellesley College), Kobe University, Lehigh University, Osaka University, Williams College
2018	Society for Economic Dynamics, Sustainable Resource Use and Economic Dynamics, North American Summer Meeting of the Econometric Society, Liberal Arts Macro Workshop (presenter and discussant), Amherst College, Brown University Growth Breakfast, Darden Business School, Hamilton College, Institute for International Economic Studies, SUNY Albany, University of Copenhagen, University of Warwick, Williams College

2017	Summer Meeting of the Association of Environmental and Resource Economists (AERE), Annual Meeting of the Agricultural and Applied Economics Association (AAEA), Annual Meeting of the Northeast Agricultural and Resource Economics Association (NAREA), Southern Economic Association (SEA), Brown University Macroeconomics Seminar, Brown University Macro Lunch (x2), Brown University Growth Breakfast
2016 & Earlier	NEUDC (presenter and discussant), Zeuthen Conference (University of Copenhagen), Hamilton College, Brown University Macro Lunch

Professional Activities and Service:

Editorial Positions	Associate Editor, Journal of Economic Growth, 2023 – Present
Journal Referee	American Economic Review, American Economic Journal: Macroeconomics, B.E. Journal of Macroeconomics, Canadian Journal of Economics, Contemporary, Ecological Economics, Economic Policy, Econometrica, Economic Inquiry, Economic Journal, Economic Modelling, Energy Economics, Environmental Research Letters, Environmental and Resource Economics, European Economic Review, German Economic Review, Human Ecology, IMF Economic Review, International Economic Review, International Journal of Biometeorology, Journal of Applied Econometrics, Journal of the Association of Environmental and Resource Economists, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of Economic Growth, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Political Economy, Journal of Political Economy Macroeconomics, Journal of Political Economy Microeconomics, Journal of Population Economics, Journal of Public Economics, Language and Communication, Letters in Spatial and Resource Sciences, Macroeconomic Dynamics, Marine Resource Economics, Mathematical Social Sciences, Nature Climate Change, Nature Communications, PLOS One, Political Research Quarterly, Population and Environment, Proceedings of the National Academy of Sciences, Regional Science and Urban Economics, Resource and Energy Economics, Review of Economic Dynamics, Review of Economic Studies, Review of Environmental Economics and Policy, Review of World Economics, Scandinavian Journal of Economics, Scottish Journal of Political Economy, Sustainability
Other Referee	Agence Nationale de la Recherche, Moriguchi Prize, Social Science and Humanities Research Council of Canada, Swiss National Science Foundation, Washington Center for Equitable Growth
Williams College	Hiring Committee, Economics Department, 2025-26, 2026-27
	Economics Working Paper Coordinator, Spring 2023

	Macroeconomics Placement Coordinator, Economics Department, 2020–2022
	Unofficial 'Happiness Czar', Economics Department, Williams College, Spring 2020
	College and Community Advisory Committee, 2019–2020
	Economics Department Recruiting, 2018-present
	Graduate School Advisor, Economics Department, 2018–2019
Brown University	University President's Task Force on Climate Change and Business and Investment Practices, Brown University, 2017-2018
	Brown University Macro Lunch, organizer, 2014

Honors, Fellowships, and Grants:

2025	Tutorial Development Stipend, Williams College ($4,000)
2023	National Science Foundation (NSF) Research Grant ($41,140)
2023	Innovative Research in the Economics of Climate Change Award, IZA
2021	STEG-CEPR Small Research Grant (£11,529, with Stephie Fried and Matthew Gibson)
2021	Washington Center for Equitable Growth Research Grant ($32,065, with Stephie Fried and Matthew Gibson)
2018	George Borts' Prize for best economics dissertation, Brown U.
2017–18	Interdisciplinary Opportunity Fellowship, Watson Institute for International and Public Affairs, Brown U.
2015–18	Student Affiliate, Institute at Brown for Environment and Society, Brown U.
2014–18	Student Fellow, Spatial Studies in the Social Sciences, Brown U.
Spring 2016	Graduate Student Teaching Award, Brown U.
Fall 2015	Graduate Student Teaching Fellowship, Brown U.
Spring 2015	Freiburg Fellowship in International Economics and Finance, Brown U.
Spring 2015	Graduate Student Teaching Award, Brown U.
Spring 2015	Third Year Paper passed with Distinction, Brown U.
Fall 2014	Graduate Student Teaching Fellowship, Brown U.
Spring 2014	Field Exams passed with Distinction, Brown U.
Fall 2010	Most Outstanding Overall M.S. Student, SALISES, UWI
Fall 2010	Most Outstanding M.S. Thesis, SALISES, UWI
Fall 2010	Most Outstanding M.S. Student in Economic Development Policy, SALISES, UWI
2009 – 2010	Fulbright Scholarship to Jamaica, USA State Department

Peer-Reviewed Publications:

"Energy Efficiency Dynamics and Climate Policy", *Journal of the Association of Environmental and Resource Economists* (2026) 13(6): 1543–1574. (with Yang Gao and Peter Kruse-Andersen)

"Building a scalable climate coalition for heavy industry," *Science* (2026) 393(6815): 984–987. (Wolfram, C., J. Aldy, C. Bracher, G. Casey, V. Chaturvedi, K. Clausing, C. Fischer, C. Gollier, A. Hsiao, F. Jotzo, M. Medeiros, K. Meng, A. Muthitacharoen, A. Ockenfels, M. Pangestu, M. Pereboom, A. Rao, I. Rudik, D. Sembene, N. Shimberg, E. Somanathan, D. Tingley)

"The Macroeconomics of Clean Energy Subsidies", *Journal of Environmental Economics and Management* (2026) 138: 103311. (with Woongchan Jeon and Christian Traeger)

"Energy Availability and Economic Growth" *Energy Economics* (2025) 149: 108786.

"Energy Efficiency and Directed Technical Change: Implications for Climate Change Mitigation," *Review of Economic Studies* (2024) 91: 192–228.

"A Generalized Uzawa Growth Theorem and Capital-Augmenting Technical Change," *Journal of Political Economy Macroeconomics* (2024) 2(2): 336–373. (with Ryo Horii)

"Understanding Climate Damages: Consumption versus Investment," *European Economic Review* (2024) 167: 104799. (with Stephie Fried and Matthew Gibson)

"Unemployment and the Direction of Technical Change," *European Economic Review* (2024): (2024) 168: 104802.

"Projecting the impacts of temperature change: The role of macroeconomic dynamics" *IMF Economic Review* (2023) 71: 688–718. (with Stephie Fried and Ethan Goode)

"Historical Instruments and Contemporary Endogenous Regressors," *Journal of Development Economics* (2021): 102586. (with Marc Klemp)

"The Impact of Climate Change on Fertility," *Environmental Research Letters* (2019) 14: 054007. (designated lead author, with Soheil Shayegh, Juan Moreno-Cruz, Martin Bunzl, Oded Galor, and Ken Caldeira)

"Is faster economic growth compatible with reductions in carbon emissions? The role of diminished population growth," *Environmental Research Letters* (2017) 12: 014003. (with Oded Galor)

"Inequality and Fractionalization," *World Development* (2014) 56: 32–50. (with Ann Owen)

"Good News, Bad News and Consumer Confidence," *Social Science Quarterly* (2013) 94: 292–315. (with Ann Owen)

Non-Peer Reviewed Publications:

"Distributional Consequences of Climate Policy," *Nature Climate Change*, April 2026

"Some Macroeconomic Evidence on Substitution between Clean and Dirty Energy," *AEA Papers and Proceedings* (2026) 116: 522-526. (with Yang Gao and Peter Kruse-Andersen)

"Climate Policy and The Long-Run Interest Rate: Insights from a Simple Growth Model," *AEA Papers and Proceedings* (2026) 116: 517-521. (with Stephie Fried and William B. Peterman)

"The 2025 U.S. Clean Competition Act: Economic and Climate Impacts" *Emlab Policy Brief* (with Kyle Meng and Ivan Rudik)

"Review of 'The Growth Story of the 21st Century' By: Nicholas Stern." *LSE Review of Books*, November 10, 2025

"The Impact of US Productivity Losses from Extreme Heat" *FRBSF Economic Letter* 2024-14 (with Stephie Fried and Matthew Gibson)

"How Long Do Rising Temperatures Affect Economic Growth?" *FRBSF Economic Letter* 2023-15 (with Stephie Fried and Ethan Goode)

"Assessing the economic damages of climate change: the role of investment versus consumption" *LSE Business Review,* September 2022 (with Stephie Fried and Matthew Gibson)

"Population and Energy Consumption/Carbon Emissions: What We Know, What We Should Focus on Next," in *International Handbook on Population and Environment,* Springer Nature (2022). (with Brant Liddle)

"Economic Growth and Reductions in Carbon Emissions" *VoxEU*, March 2017 (with Oded Galor)

"Avoiding Trade-Offs: Can population policies promote environmental protection and alleviate poverty?" *MAHB*, January 2017 (with Oded Galor)

"Benefits and Costs of the Population and Demography Targets for the Post-2015 Development Agenda" (2014) Perspective paper prepared for the Post-2015 Consensus Project of the Copenhagen Consensus Center (with Oded Galor)

Working Papers:

"Are Carbon Tariffs Climate Policy?" (with Kyle Meng and Ivan Rudik)

Teaching Publications:

"When is Growth Sustainable? A simple model for undergraduates", *Journal of Economic Educatio*n (2026) 57: 168–181.

"A Note on Teaching Automation in Undergraduate Macroeconomics Courses," *Journal of Economics Teaching* (2025): 52–66.

"A Malthusian Model for Undergraduates," *Journal of Economics Teaching* (2026): 1–16.