

Justin Staller Mankin

Department of Geography
Dartmouth College
Hanover, New Hampshire 03755

Email: mankin@dartmouth.edu
Website: <http://jsmankin.github.io>
Phone: (603) 646-3381

APPOINTMENTS

2023-present	Associate Professor, Department of Geography, Dartmouth
2018-present	Adjunct Associate Research Scientist, Lamont-Doherty Earth Observatory, Columbia University
2018-present	Faculty Affiliate, Department of Earth & Planetary Sciences, Dartmouth
2018-present	Faculty Affiliate, Ecology, Evolution, Environment & Society, Dartmouth
2018-2023	Assistant Professor, Department of Geography, Dartmouth
2015-2018	Earth Institute Postdoctoral Fellow, Lamont-Doherty Earth Observatory, Columbia University
2015-2017	Postdoctoral Fellow, NASA Goddard Institute for Space Studies

EDUCATION

2015	PhD in Environment & Resources, School of Earth Sciences, Stanford University
2010	MPA in Environmental Science & Policy, Earth Institute, Columbia University
2008	MSc in Global Politics & Development, London School of Economics
2004	BA in Political Science, Columbia University

HONORS, AWARDS, & FELLOWSHIPS • (SELECTED, LAST TWO YEARS)

2025	MIT & Woods Hole Oceanographic Institution, H. Burr Steinbach Scholar
2024	American Geophysical Union, Global Environmental Change Early Career Award
2024	Keynote, National Academies of Science, Engineering, & Medicine, “Climate Change & Human Migration”
2024	Nature Cover Article: Gottlieb & Mankin, “Evidence of human influence on Northern Hemisphere snow loss”
2024	World Climate Research Programme & Future Earth: Callahan & Mankin, <i>Science</i> (2023) named one of the 10 New Insights in Climate Science (10NICS)
2023-2024	Petitt Family Fellowship, Dartmouth
2023	Climate Science Leader, Climate Judiciary Project, Environmental Law Institute

PEER-REVIEWED JOURNAL ARTICLES • (SELECTED, LAST 2 YEARS)

Total peer-reviewed papers published: 60; total citations: ~6400; Google h-/i-10 index: 38/49

* Denotes research where Mankin is lead or senior author per the Vancouver Protocol; underlined are: PI-advised (P)ostdoc, (G)rad student, (U)ndergrad, and (R)esearch Assistant

2025	*Mankin, J. S., N. Siebert (R), J. E. Smerdon, B. I. Cook, R. Seager, A. P. Williams, C. Lesk, (P), Z. Li (P), H. Singh (R), E. Martinez (U), Nonlinear carbon feedbacks diminish future freshwater availability, in press, <i>Journal of Climate</i> , DOI: 10.31223/X51Q67.
2025	* Callahan, C. (G) & J. S. Mankin, Carbon majors and the scientific case for climate liability, in press, <i>Nature</i> , DOI: 10.1038/s41586-025-08751-3.
2025	*Lesk, C. (P), J. Winter, & J. S. Mankin, Projected runoff declines from plant physiological effects on precipitation, <i>Nature Water</i> , DOI: s44221-024-00361-z.
2024	*Li, Z. (P), J. E. Smerdon, R. Seager, N. Siebert (R), & J. S. Mankin, Emergent trends complicate interpretation of the United States Drought Monitor, <i>AGU Advances</i> , DOI: 10.1029/2023AV001070.
2024	*Gottlieb, A. (G) & J. S. Mankin, Evidence of human influence on Northern Hemisphere snow loss, <i>Nature</i> , DOI: s41586-023-06794-y.
2023	*Callahan, C. (G) & J. S. Mankin, Persistent effect of El Niño on global economic growth, <i>Science</i> , DOI: 10.1126/science.adf2983.

2023 *Callahan, C. (G), N. J. Dominy, J. M. DeSilva, & J. S. Mankin, Global warming, home runs, and the future of America's pastime, *Bulletin of the American Meteorological Society*, DOI: 10.1175/BAMS-D-22-0235.1.

OTHER WRITING • (SELECTED)

2024 *Mankin, J. S., The people have a right to climate data, *The New York Times*, Section A, Page 22.
2023 *Mankin, J. S. & C. Callahan (G), The other climate change, *The Los Angeles Times*, page A11.
2022 *Mankin, J. S. & C. Callahan (G), The Scientific Case for Climate Liability and Loss and Damage Claims, *Lawfare*.
2021 *Mankin, J. S., The American West's drought isn't a disaster. It's our new, permanently arid normal, *The Washington Post*.

SERVICE

TO THE DISCIPLINE • (SELECTED, LAST 2 YEARS)

2024-present Graphics Lead Author, U.S. Sixth National Climate Assessment
2024-present Drought Lead, Water Cycle Priorities, NASA Decadal Survey
2023-present Editor, *Earth's Future*, a Journal of the American Geophysical Union (AGU)
2022-present Associate Editor, *Journal of Climate*, a Journal of the American Meteorological Society (AMS)
2020-present Member, American Meteorological Society Committee on Climate Variability and Change (AMS CVC)
2020-present Member Representative, University Corporation for Atmospheric Research (UCAR)
2024-present Member, Attribution Science and Climate Law Advisory Committee, Sabin Center for Climate Law
2021-24 Co-lead, National Oceanic & Atmospheric Administration Drought Task Force
2022-2024 Co-chair, "The Future of Terrestrial Water Availability" at the Aspen Global Change Institute
2024 Media Lead, World Climate Research Programme & Future Earth 10 New Insights in Climate Science
2023 Co-chair, 37th Conference on Climate Variability and Change of the American Meteorological Society
2023 Member, *Earth's Future* Editor-in-Chief Search Committee

TO DARTMOUTH

2024-present Member, Dartmouth Climate Collaborative Advisory Council
2024-present Chair, Curriculum Committee, Department of Geography
2024-present Member, Departmental Seminar Committee, Department of Geography
2022-present Member, Curriculum Committee, Dartmouth EEES PhD program
2022-present Member, Design Initiative at Dartmouth (DIAD) Steering Committee
2024 Member, Provost's Strategic Working Group to the Irving Institute
2024 Chair, Dartmouth Climate Futures Initiative Research Colloquium
2023-2024 Member, Dartmouth Climate Solutions Working Group Organizing Committee
2023-2024 Member, Committee on Standards (COS)
2022-2024 Member, Irving Institute Faculty Advisory Board
2022-2023 Member, Search Committee, Department of Geography
2022-2023 Member, Ad Hoc Group on Energy for Dartmouth's Our Green Future
2021-2023 Member, Program Chair Selection Committee, Dartmouth EEES PhD program
2020-2022 Chair, Curriculum Committee, Dartmouth EEES PhD program
2020-2021 Member, Committee on the Faculty (COF)

GRANTS • (ONGOING ONLY)

\$1.3M in external support over last 4 years, \$1.5M pending
2024-2026 Rockefeller Family Fund, sole PI, \$450,000 to Dartmouth
2023-2026 NSF Climate & Large Scale Dynamics, co-PI, with Syracuse University, \$128,000 to Dartmouth
2021-2025 Department of Energy, co-PI, with Columbia University, \$333,000 to Dartmouth
2021-2024, NCE NOAA Modeling, Analysis, Predictions and Projections, lead-PI, \$421,000 to Dartmouth