

# Hélène Benveniste

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## Education

**Ph.D.** in Science, Technology and Environmental Policy, 2021  
Princeton University, School of Public and International Affairs  
Dissertation Committee: M. Oppenheimer (Chair), D. Anthoff, M. Fleurbaey, A. Moravcsik, E. Weber

**M.A.** in Science, Technology and Environmental Policy, 2018  
Princeton University, School of Public and International Affairs

**M.Sc.** in Engineering, Minor in Geostatistics and Applied Probabilities, 2012  
Ecole Nationale Supérieure des Mines de Paris (Mines Paris)

## Expertise

Subfields: Environmental Policy, International Political Economy, International Relations

Interests: Climate-related Human Migration, Global Environmental Governance, Politics of Decarbonization

## Current Academic Appointments

- 2024– Assistant Professor, Department of Environmental Social Sciences and  
Steven and Roberta Denning Faculty Fellow in Global Governance for Sustainability  
Stanford University, Doerr School of Sustainability
- 2025– Faculty Affiliate, Woods Institute for the Environment, Stanford University
- 2024– Faculty Affiliate, King Center on Global Development, Stanford University
- 2025–2026 Associate Editor, Climate-Induced Human Displacement & Migration Topical Synthesis Report,  
California's Fifth Climate Change Assessment Editorial Board

## Past Academic Appointments & Research Experience

- 2023–2024 Postdoctoral Fellow, Center for the Environment & Salata Institute for Climate and Sustainability  
Harvard University
- 2022–2023 Lead Author, Ch.5, Special Report on Environmental change, conflicts and human migration  
Mediterranean Experts on Climate and environmental Change (MedECC)
- 2021–2023 Environmental Fellow, Center for the Environment & Harvard Kennedy School  
Harvard University
- 2020–2021 IvyPlus Exchange Scholar, Energy Policy Institute, University of Chicago
- 2019 Young Scientist Summer Program, World Population & Energy groups  
International Institute for Applied Systems Analysis (IIASA)
- 2018 IvyPlus Exchange Scholar, Energy and Resources Group, University of California Berkeley
- 2012 Research fellow, National Center for Atmospheric Research & Colorado State University &  
Laboratoire des Sciences du Climat et de l'Environnement (LSCE)

## Publications

### Working Papers

"When Do Aspirational Goals Matter? Using the History of Global Environmental Governance to Benchmark the Paris Agreement." **H. Benveniste**, A. Moravcsik, M. Oppenheimer. Under review.

"Governing Climate Migration: A Right to a Livable Space in the Paris Agreement". **H. Benveniste**, S. Capisani. Under review.

"Climate Influences Migration, Armed Conflicts Rarely Follow". B. Sedova, S. Lohr, L. Thalheimer, **H. Benveniste**, M. Brzoska, H. Buhaug, F. Cottier, J. Crespo Cuaresma, R. Hoffmann, T. Ide, V. Koubi, K. Petrova, J. Scheffran, J. Schewe, A.R. Siders, F. Thornton, H. Upadhyay, K. van der Geest, K. Vinke, N. von Uexkull, S. Zena Walegn, M. Oppenheimer. Under review.

"Weather Shocks And the Migration Journey: Departures, Returns, And Repeat Trips in the Mexico–U.S. Corridor." **H. Benveniste**, S. Capisani, S. Constantino, F. Garip. In prep.

"The Effect of Non-Work Income on Migration in the Wake of Environmental Shocks: Evidence From Bangladesh." **H. Benveniste**, J. Freihardt, V. Koubi. In prep.

"From Nuclear Distrust to Renewable Endorsement: The Political Economy of Germany's Energy Transition." **H. Benveniste**, E. Dewitte. In prep.

"Who Policies Move in a Warming World: Demographic Heterogeneity and the Future of Climate-Migration Policy." **H. Benveniste**. In prep.

### Peer-Reviewed Journal Articles

"Broadening Climate Migration Research Across Impacts, Adaptation, and Mitigation." C. Cattaneo, S. Shayegh, C. Albert, M. Alsina-Pujols, **H. Benveniste**, M. Borderon, B. Conte, C. Deuster, J.-S. Görlach, T. Haer, R. Hoffmann, R. Muttarak, M. Ronco, J. Schewe, A. Wiśniowski (2026). *Nature Climate Change*. doi: 10.1038/s41558-025-02545-1.

"Global Climate Migration Is a Story of Who and Not Just How Many." **H. Benveniste**, P. Huybers, J. Proctor (2025). *Nature Communications*, 16, 7752. doi: 10.1038/s41467-025-62969-3.

"Climate-Induced Redistribution of People Is Not Inevitable". I. Boas, H. Sterly, C. Farbokto, M. Hulme, **H. Benveniste**, K. Schewel, G. Bettini, M. Borderon, R. Hoffmann, K. van der Geest, D. Durand-Delacre, J. Selby, D. Wrathall, A. Baldwin, A. Benitez Cortez, K.N. Bukari, S.A. Bunchuay-Peth, S. Capisani, S.N.A. Codjoe, R. Dahm, C. Dewan, H. Dijstelbloem, S. Fransen, F. Gemenne, M. dalla Fontana, T. Hillhorst, M. Iyer, M. Leung, B. Mallick, K. Paprocki, M. Parsons, P. Sakdalporak, A. de Sherbinin, F. Sultana, T.P.P. Tanielu, M. Yee, C. Zickgraf (2025). *Environmental Research Letters*. doi: 10.1088/1748-9326/adfdff.

"Prioritizing Involuntary Immobility in Climate Policy and Disaster Planning." L. Thalheimer, F. Cottier, A. Kruczkiewicz, C. Hultquist, C. Tuholske, **H. Benveniste**, J. Freihardt, M. Hemmati, P.M. Kam, N.G. Pricope, J. Van Den Hoek, A. Zimmer, A. de Sherbinin, R.M. Horton (2025). *Nature Communications*, 16 (2581). doi: 10.1038/s41467-025-57679-9.

"Climate Change Increases Resource-Constrained International Immobility." **H. Benveniste**, M. Oppenheimer, M. Fleurbaey (2022). *Nature Climate Change*, 12, 634–341. doi: 10.1038/s41558-022-01401-w.

"Tracing International Migration in Projections of Income Levels and Inequality across the Shared Socioeconomic Pathways." **H. Benveniste**, J. Crespo Cuaresma, M. Gidden, R. Muttarak (2021). *Climatic Change*, 166 (39). doi: 10.1007/s10584-021-03133-w.

"Effect of Border Policy on Exposure and Vulnerability to Climate Change." **H. Benveniste**, M. Oppenheimer, M. Fleurbaey (2020). *Proceedings of the National Academy of Sciences*, 117 (43), 26692–26702. doi: 10.1073/pnas.2007597117.

"Impacts of Nationally Determined Contributions on 2030 Global Greenhouse Gas Emissions: Uncertainty Analysis and Distribution of Emissions." **H. Benveniste**, O. Boucher, C. Guivarch, H. Le Treut, and P. Criqui (2018). *Environmental Research Letters* 13, 1. doi: 10.1088/1748-9326/aaaob9.

"In the Wake of Paris Agreement, Scientists Must Embrace New Directions for Climate Change Research." O. Boucher, V. Bellassen, **H. Benveniste**, P. Ciais, P. Criqui, C. Guivarch, H. Le Treut, S. Mathy, and R. Sférian (2016). *Proceedings of the National Academy of Sciences*, 113, 7287-7290. doi: 10.1073/pnas.1607739113.

### Other Publications

*Princeton Energy Dialogues*. Executive Summary. H. Warren, A. Daraeepour, G. Davies, J. Lane, **H. Benveniste**, N. Choquette-Levy, R. Majumdar, T. Postma, P. Ramamurthi, M. Nagdee, R. Wagner (2020).

"Nations' Pledges to Reduce Emissions and the 2°C Objective". O. Boucher, **H. Benveniste**, and C. Guivarch (May 17 2016). *EOS*, 97. doi: 10.1029/2016EO052397.

"Les dessous des 2°C" . H. Le Treut, P. Criqui, **H. Benveniste**, O. Boucher, F.-M. Bréon, P. Ciais, T. Gasser, C. Guivarch, F. Lecocq, S. Mathy, E. Prados, D. Salas y Méliá, and R. Sférian (Nov 2015-Jan 2016). *Le Monde*, special issue on COP21.

"COP21 : Pour rejoindre rapidement une trajectoire limitant le réchauffement à 2°C". H. Le Treut, O. Boucher, V. Bellassen, **H. Benveniste**, F.-M. Bréon, P. Ciais, P. Criqui, T. Gasser, C. Guivarch, F. Lecocq, S. Mathy, E. Prados, D. Salas y Méliá, and R. Sférian (Dec 8 2015). *Le Monde*.

## Professional Service and Affiliations

**Member** of the American Political Science Association, the International Studies Association, the Association of Environmental and Resource Economists, the Population Association of America

**Reviewer** for *Science*, *Proceedings of the National Academy of Sciences*, *Nature Climate Change*, *Nature Communications*, *Journal of Political Economy*, *Perspectives on Politics*, *Nature Human Behavior*, *One Earth*, *Environmental Research Letters*, *Population and Environment*, *Climatic Change*, *Migration Letters*, *Environmental Research Communications*, *Vienna Yearbook of Population Research*, *Big Earth Data*

## Scholarships, Awards, Grants

2026-2027: Discovery Grant, Doerr School of Sustainability, Stanford University

2025: Research Fellowship Program, King Center for Global Development, Stanford University

2021–2023: French Environmental Fellowship Fund, Center for the Environment, Harvard University

2019–2020: Fellowship of Woodrow Wilson Scholars (Prize Fellowship in Social Sciences), Princeton University

2019: National Academy of Sciences / National Science Foundation fellowship grant for Young Scientists Summer Program at International Institute for Applied Systems Analysis (IIASA)

2018–2020: Princeton Energy and Climate Scholars, Princeton University

2016–2021: Fellowship, School of Public and International Affairs, Princeton University

## Policy Experience

2021	Consultant, International Organization for Migration (UN Migration)
2015–2016	Research Engineer, Scientific advisory group to the French climate negotiation team Centre National de la Recherche Scientifique (CNRS) & French Ministry of Environment
2012–2014	Deputy Attaché for Energy, French Embassy in Germany Alternative Energies and Atomic Energy Commission (CEA) & French Ministry of Foreign Affairs

## Invited Presentations

2025: Sciences Po Environment & IR seminar. Stanford University Environmental Ethics seminar. Climate and Social Science communities of Nature Portfolio. California Council on Science & Technology. Princeton University International Relations seminar. Pandemic Risk Scenarios for the 21st Century workshop at Yale University. University of British Columbia Food and Resources Economics seminar. American Political Science Association annual meeting. Political Economy of Climate and Environment conference at Simon Fraser University. Labos 1.5 collective. Paris School of Economics. Centre International de Recherche sur l'Environnement et le Développement. University of Bologna Statistics Department. Stanford University Public and Environmental Economics seminar. University of California Berkeley Economy and Society Initiative. Immigration Policy Lab at Stanford University. Climate Change, Green Backlash, and Democracy workshop at University of California San Diego. Political Economy of International Organization conference at Harvard University.

2024: Political Economy of Climate Change workshop at Science Po Paris. Organisation for Economic Cooperation and Development Directorate for Public Governance. Migration and Climate Nexus workshop at Université Paris 1 Pantheon Sorbonne. Climate migration modeling intercomparison workshop at Princeton University. Politics of Climate and the Environment conference at University of Pennsylvania. American Political Science Association annual meeting. Centro Euro Mediterraneo sui Cambiamenti Climatici Workshop on Climate Migration. Princeton University Climate Mobilities conference. International Studies Association annual conference. University of Michigan School for Environment and Sustainability.

2023: Duke Nicholas School of the Environment. Lehigh University International Relations Department. Harvard Kennedy School of Government. Brown Watson Institute for International and Public Affairs and Political Science Department. Cornell University Political Science Department. Stanford Doerr School of Sustainability. University of California Riverside School of Public Policy. Canada Government School of Public Service. American Political Science Association annual meeting. Political Economy of Climate and Environment conference at University of California Los Angeles. Managed Retreat conference at Columbia University. Preparing for a Changing Climate conference at Stanford University. University of California San Diego International Relations seminar. Population Association of America annual meeting. Harvard Kennedy School Energy Policy seminar.

2022: Climate (Im)mobility & Conflict expert workshop at Potsdam Institute for Climate Impact Research. Georgetown Just Sustainability Transitions seminar. Toronto Conference on Earth System Governance. American Political Science Association annual meeting. World Bank and Columbia University expert consultation on Modeling Methods for Forecasting Climate Mobility in Small Island Developing States. Annual conference on Environmental Politics and Governance. Scenarios Forum. IIASA 50th Anniversary Meeting at Boston University. Harvard University Planetary Health Colloquium.

2021: Integrated Assessment Modeling Consortium annual meeting. Brown University Climate Pipeline Workshop. University of Chicago Center in Paris Climate Migrations Conference. University of California Los Angeles Climate Adaptation Research Symposium. European Association of Environmental and Resource Economists annual conference. Association of Environmental and Resource Economists summer conference. Population Association of America annual meeting. Massachusetts Institute of Technology Department of Urban Studies & Planning and Schwarzman College of Computing. Denver University Korbel School of International Studies.

2020: Yale School of the Environment. American Geophysics Union fall meeting. Integrated Assessment Modeling Consortium annual meeting. University of California Berkeley Environmental Science, Policy, & Management Department and Energy & Resources Group. European Association of Environmental and Resource Economists annual conference. Association of Environmental and Resource Economists annual conference. Princeton University Fellowship of Wilson Scholars seminar.

2019: American Geophysics Union fall meeting. Princeton Energy and Climate Scholars seminar. International Institute for Applied Systems Analysis Young Scientists Summer Program colloquium.

2018: Paris School of Economics Climate Change Summer School. Columbia University workshop in Sustainable Development.

2016: UN Framework Convention on Climate Change, Subsidiary Body for Scientific and Technological Advice, Research Dialogue.

2015: French Ministry of Environment.

## Teaching, Mentoring, and Outreach

2026: "Global Environmental Governance: Politics, Institutions, and Change". Professor, Stanford University

2026: "Earth at a Crossroads: the Politics of Global Environmental Governance". Professor, Stanford University

2025: "Technology, National Security, and Sustainability" (P. Edwards). Guest lecturer, Stanford University

2025: "Climate, Crops, and Food Security" (P. Huybers). Guest lecturer, Harvard University

2025: "Science for Sustainable Solutions" (S. Davis). Guest lecturer, Stanford University

2025: "Conflict and Climate Change" (K. Schultz). Guest lecturer, Stanford University

2022–2024: "Human Environmental Data Science" (P. Huybers). Guest lecturer, Harvard University

2023: "Migrations" (R. Vega-Duran). Guest lecturer, Harvard University

2022: "Climate Mobility" (A. de Sherbinin). Guest lecturer, Columbia University

2022: "International Law & Global Justice" (K. Sikkink). Guest lecturer, Harvard University

2021: "Sociology of Climate Change" (J. Beckfield). Guest lecturer, Harvard University

2019: "Climate Change Impacts, Adaptation & Policy" (M. Oppenheimer). Teaching asst, Princeton University

2025–2026: Senior thesis adviser (M. Awan), Earth Systems, Stanford University

2024–2025: Senior thesis co-adviser (S. Donnellan), International Relations, Stanford University

2023–2024: Senior thesis adviser (A. Baxter), Social Studies, Harvard University

2018–2020: Outreach program coordination at high schools in Princeton and Trenton, NJ

2015–2016: Outreach events on the Paris Agreement at middle/high schools/town halls across France