

GRETCHEN TANNER GOLDMAN

Research Director
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EDUCATION

Aug 2011 **Georgia Institute of Technology.** Atlanta GA. Ph.D. in Environmental Engineering; minor in City Planning.
Aug 2008 **Georgia Institute of Technology.** Atlanta GA. M.S. in Environmental Engineering.
May 2006 **Cornell University.** Ithaca NY. B.S. in Atmospheric Science.

PROFESSIONAL EXPERIENCE

Sept 2016 – Present **Research Director, Center for Science and Democracy, Union of Concerned Scientists,** Washington DC.
Aug 2013 – Sept 2016 **Lead Analyst, Center for Science and Democracy, Union of Concerned Scientists,** Washington DC.
Nov 2011 – Aug 2013 **Analyst, Scientific Integrity Program, Union of Concerned Scientists,** Washington DC.
Aug 2011 – Dec 2011 **Postdoctoral Research Fellow, Georgia Institute of Technology.** Dept. of Environmental Engineering. Atlanta GA
Aug 2006 – Aug 2011 **Graduate Research Fellow, Georgia Institute of Technology.** Dept of Environmental Engineering. Atlanta GA.
May 2004 – May 2006 **Undergraduate Researcher, Northeast Regional Climate Center, NOAA.** Cornell University. Ithaca NY.
Jun 2005 – Aug 2005 **Intern, US Environmental Protection Agency.** National Exposure Research Laboratory. Research Triangle NC.

REFEREED PUBLICATIONS

- **Goldman, G.T.**, and F. Dominici. 2019. Don't abandon evidence and process on air pollution policy. *Science*. March 29. 363 (6434) 1398-1400 DOI: 10.1126/science.aaw9460.
- **Goldman, G.T.**, E. Berman, M. Halpern, C. Johnson, Y. Kothari, G. Reed, and A.A. Rosenberg. 2017. Ensuring Scientific Integrity in the Age of Trump. *Science*. February 17. 355 (6326). DOI: 10.1126/science.aam5733.
- **Goldman, G.T.**, K. Mulvey, P. Frumhoff, R. Sethi, S. Pfirman, and H. Comross. 2017. A Methodology for Assessment of Corporate Responsibility on Climate Change: A Case Study of the Fossil Energy Industry. *Journal of Environmental Investing*. September 22.
- Carroll, C., B. Hartl, **G.T. Goldman**, D.J. Rohlf, A. Treves, J.T. Kerr, E.G. Ritchie, R.T. Kingsford, K.E. Gibbs, M. Maron, J.E.M. Watson. 2017. Defending the Scientific Integrity of Conservation-Policy Processes. *Conservation Biology*. July 25. DOI: 10.1111/cobi.12958.
- Strickland, Matthew J.; Katherine M Gass; **Gretchen T Goldman**; and James A Mulholland. 2015. Effects of ambient air pollution measurement error on health effect estimates in time series studies: a simulation-based analysis. *Journal of Exposure Science and Environmental Epidemiology*, doi: 10.1038/jes.2013.16.
- Rosenberg, A.A., Branscomb, L.M., Eady, V., Frumhoff, P.C., **Goldman, G.T.**, Halpern, M., Kimmell, K., Kothari, Y., Kramer, L.D., Lane, N.F., McCarthy, J.J., Phartiyal, P., Rest, K., Sims, R., and Wexler, C. 2015. Congress's attacks on science-based rules. *Science* 348(6238). doi: 10.1126/science.aab2939.

- Rosenberg A., Phartiyal P., **Goldman G.**, Branscomb L. 2014. Exposing Fracking to Sunlight. *Issues in Science and Technology* 31(1):74-79.
- **Goldman, Gretchen T.**; Mulholland, James A.; Russell, Armistead G.; Gass, Katherine; Strickland, Matthew J.; Klein, Mitch.; Tolbert, Paige E. 2012. Characterization of Ambient Air Pollution Measurement Error in a Time-Series Health Study using a Geostatistical Simulation Approach. *Atmospheric Environment*. 57, 101-108.
- **Goldman, Gretchen T.**; Mulholland, James A.; Russell, Armistead G.; Strickland, Matthew J.; Klein, Mitch.; Tolbert, Paige E.; Waller, Lance.; and Edgerton, Eric. 2011. Impact of Exposure Measurement Error in Air Pollution Epidemiology: Effect of Error Type in Time-Series Studies. *Environmental Health*. 10:61.
- **Goldman, Gretchen T.**; Mulholland, James A.; Russell, Armistead G.; Srivastava, Abhishek.; Strickland, Matthew J.; Klein, Mitch.; Tolbert, Paige E.; Waller, Lance.; and Edgerton, Eric. 2010. Ambient Air Pollutant Measurement Error: Characterization and Impacts in a Time-Series Epidemiologic Study in Atlanta. *Environmental Science & Technology*. 44 (19) 7692-7698.

SCIENCE POLICY PUBLICATIONS

- **Goldman, G.T.** 2019. Trump's plan would make government stupid. *Nature*. June 20. 570, 417 DOI: 10.1038/d41586-019-01961-6
- **Goldman, G.T.** 2019. Trump pulls a page from industry's disinformation playbook. *British Medical Journal*. March 8. Online at <https://blogs.bmj.com/bmj/2019/03/08/gretchen-goldman-trump-pulls-a-page-from-industrys-disinformation-playbook/>
- **Goldman, G.T.**, G. Reed., and J. Carter. 2018. Risks to Science-Based Policy Under the Trump Administration. *Stetson Law Review*. 47 (2) 267-293.
- **Goldman, G. T.**, J. M. Carter, and C. Johnson. 2018. The government sidelines science, but to what extent?, *Eos*, 99, <https://doi.org/10.1029/2018EO093961>. Published on 28 February 2018.
- Carlson C., **G. Goldman**, and K. Dahl. 2016. Stormy Seas, Rising Risks: Assessing Undisclosed Risk from Sea Level Rise and Storm Surge at Coastal US Oil Refineries. In: Drake J., Kontar Y., Eichelberger J., Rupp T., Taylor K. (eds) *Communicating Climate-Change and Natural Hazard Risk and Cultivating Resilience*. Advances in Natural and Technological Hazards Research, vol 45. Springer, Cham
- Gundersen, L., J. Geissman, **G. Goldman**, D. Mogk, N. Schnepf, B. Voss, M. Weiss, and R. Townsend (2014), Spotlight on scientific integrity and geoethics at the 2014 AGU Fall Meeting, *Eos Trans. AGU*, 95(49), 465, doi:10.1002/2014EO490010.
- **Goldman, G.** 2014. Stories of the Shutdown. *Index on Censorship*. March. 43: 101-105.
- **Goldman, G.**; Grifo, F; Rogerson, P; and Gutman, B. 2014. Assessing corporate influence on climate change dialogue. *New Trends in Earth-Science Outreach and Engagement: The Nature of Communication. The Nature of Communication*. Eds, Drake, J. L., Kontar, Y. Y., Rife, G. S. Volume 38. Springer International Publishing: Cham, Switzerland.
- **Goldman, G.**; Carlson, C; and Varga, M. 2013. Shutdowns, Cuts, and Sequesters: Impacts to the Scientists Conducting Government Funded Research. *The Journal of Science Policy and Governance*. November Hot Topics Issue.
- Padhye, Lokesh; **Goldman, Gretchen**; Szeinbaum, Nadia; Rogers, Scott; Goktas, Recep; Kurt, Zohre. 2009. The Online Survey: An Efficient and Effective Means of Engineering Graduate Student Assessment. Manuscript in Conference Proceedings of the 116th Annual Conference of the American Society of Engineering Education, Austin, TX.

AWARDS AND HONORS

2018 Bovay Lecture in Engineering Ethics, Cornell University. April 2018.
2011 Outstanding Doctorate Candidate Award recipient for Environmental Engineering
2011 Student Reflections Commencement Speaker for Georgia Institute of Technology's
August 2011 Commencement Ceremony
2011 Environmental Initiative Award, Earth Day at the Georgia Institute of Technology
2010 Volunteer of the Year Award Recipient, Atlanta Bicycle Coalition
2006 - 2010 Georgia Institute of Technology Presidential Scholar
2004 Myron M. Fuerst '29 Scholarship recipient, Cornell University

COMMUNITY SERVICE AND CAMPUS CONTRIBUTIONS

Jan 2019 – Present Leadership Board, **500 Women Scientists**
Dec 2018 – Present Section K Nominating Committee, **American Association for the Advancement of Science**
Jan 2012 – Present Chair, **Air and Climate Public Advisory Committee, Metropolitan Washington Council of Governments**
Jan 2014 – Present Advisory Board Member, **InfluenceMap**, London, UK.
Aug 2013 – June 2014 Mentor, **Engineers for a Sustainable World's** Initiative on Wicked Problems in Sustainable Engineering: Air Pollution
Jan 2011 - Aug 2011 Chairperson, **Bicycle Infrastructure Improvement Committee**, Georgia Tech Student Government Association
June 2010 - Aug 2011 Vice-President, **Cornell Atlanta Alumni Association**
Sept 2009 - Aug 2011 Lead Teambuilding Facilitator, **Georgia Tech Leadership Challenge Course**
Sept 2007 - June 2008 President, **Association of Environmental Engineers & Scientists at Georgia Tech**
Apr 2004 - Jul 2006 Lead Teambuilding Facilitator, **Cornell Team & Leadership Center**

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science
American Geophysical Union
International Association for Promoting Geoethics
Ecological Society of America
Society for Conservation Biology
International Society of Environmental Epidemiologists
American Association of Aerosol Research
American Meteorological Society