

**Roger Pielke Jr.**

University of Colorado – Boulder  
Colorado 80309

[pielke@colorado.edu](mailto:pielke@colorado.edu)  
<http://rogerpielkejr.com>  
<https://rogerpielkejr.substack.com/>  
[@RogerPielkeJr](#)

**GOOGLE SCHOLAR METRICS:**

<https://scholar.google.com/citations?user=WtqpmDIAAAAJ>

<i>Citation indices</i>	All	Since 2018
Citations	26,740	7978
h-index	66	42
i10 index	169	98

**CURRENT POSITION at the UNIVERSITY OF COLORADO BOULDER**

Professor, 2004- Environmental Studies Department

**OTHER CURRENT PROFESSIONAL APPOINTMENTS****Current**

2022- Honorary Professor, University College London  
 2021- Member, Board of Directors, Environmental Progress (Berkeley, CA)  
 2017- Research Associate, Risk Frontiers (Sydney, Australia)  
 2016- Distinguished Fellow, Institute of Energy Economics (Tokyo, Japan)

**Past**

2017-2020 Faculty Affiliate, Center for Science and Technology Policy Research  
 2017-2019 President, Board of Directors, FC Boulder  
 2015-2019 Member, Board of Directors, FC Boulder  
 2016-2019 Director, Sports Governance Center, CU Athletics  
 2009-2019 Distinguished Visiting Scholar, Arizona State University, Consortium for Science, Policy, and Outcomes (Washington, DC)  
 2008-2018 Senior Fellow, The Breakthrough Institute  
 2011-2017 Research Fellow, Risk Frontiers, Macquarie University, Sydney, Australia  
 2013-2016 Director, CIRES Center for Science and Technology Policy Research  
 2003-2016 Director, Graduate Certificate Program in Science and Technology Policy  
 2001-2016 Fellow, Cooperative Institute for Research in the Environmental Sciences  
 2008-2016 Advisory Board Member, The Breakthrough Institute  
 2010-2012 Visiting Fellow, Mackinder Institute, London School of Economics, London, UK  
 2008-2009 Associate Fellow, Oxford University, Said Business School, Oxford Institute for Science, Innovation and Society  
 2007 Visiting Fellow, Oxford University, Said Business School, James Martin Institute for

	Science and Civilization
2004-2009	Affiliated Scholar, Arizona State University, Consortium for Science, Policy, and Outcomes
2004-2007	Affiliate Scientist, Institute for the Study of Society and Environment, National Center for Atmospheric Research
2001-2007	Director, Center for Science and Technology Policy Research, University of Colorado/CIRES
2002-2004	Associate Director, University of Colorado, Environmental Studies Program
2002-2004	Director of Graduate Studies, University of Colorado, Environmental Studies Program
1998-2004	Academic Advisory Board, Columbia University, Center for Science, Policy and Outcomes
1998-2001	Adjunct Scientist, University of Illinois, Illinois State Water Survey
2000-2004	Faculty Associate, Columbia University, Center for Science, Policy and Outcomes
1997-2000	Affiliate Professor, University of Colorado, Department of Political Science

## ACADEMIC DEGREES

2012	Doctor Honoris Causa, Linköping University Linköping, Sweden
1994	Ph. D., Political Science, University of Colorado Boulder Dissertation: <b>Completing the Circle: Global Change Science and Usable Policy Information</b> Fields of Emphasis: Public Policy, American Politics, Methodology
1992	M.A., Public Policy, University of Colorado Boulder Thesis: <b>The Space Shuttle Program: A Policy Appraisal</b>
1990	B.A., Mathematics, University of Colorado Boulder

## AWARDS and RECOGNITION

2022	Inaugural Professorship Lecture, University College London, London
2021	Regius Lecturer, University of Essex (UK)
2019	Service Commendation, CU System Privilege & Tenure Committee
2018	Shortlisted Finalist, John Maddox Prize, Sense About Science (London)
2017	C.J. “Pete” Silas Lecturer in Ethics and Leadership, Georgia Tech
2017	Service Commendation, CU System Privilege & Tenure Committee
2015	George Mitchell Lecturer, University of Maine
2013	Fellow, Geological Society of America
2012	Public Service Award, Geological Society of America
2012	Doctorate honoris causa (Honorary Doctorate), Linköping University, Sweden
2011	Visiting Scholar, Linköping University, Sweden
2009	Distinguished Visiting Scholar, Aston University, Birmingham, UK
2008	Bruno Kreisky Forum for International Dialogue Lectureship, Vienna, Austria
2007	James Martin 21 <sup>st</sup> Century Fellow, Oxford University
2006	Eduard Brückner Prize for Outstanding Achievement in Interdisciplinary Climate Research, Munich, Germany
2006	7 <sup>th</sup> Annual Roger Revelle Commemorative Lecture, Ocean Sciences Board, National Research Council
2002	Elected to Electorate Nominating Committee AAAS Section Y, General Interest in Science and

## Technology

2002 International Association for Meteorological and Atmospheric Sciences Lecturer, Innsbruck, Austria  
 2001 Outstanding Graduate Faculty Advisor, Department of Political Science, University of Colorado  
 2000 Sigma Xi Distinguished Lecturer  
 2000 Keunhast Lecturer, University of Minnesota  
 1994 Robert Vernon Stover Scholarship, University of Colorado  
 1994 Graduate Student Creative Work and Research Award, University of Colorado  
 1993 Dayton McKean Paper Award, Department of Political Science, University of Colorado  
 1993 NASA Earth Science Summer School Fellowship  
 1993 University of Colorado Dissertation Grant  
 1986 National Merit Scholar

**EDITORIAL BOARD MEMBERSHIP**

2007- Member, Editorial Board, *Minerva*  
 2007- Member, Editorial Board, *Nature & Culture*  
 2006-2015 Member, Editorial Board, *Environmental Hazards*  
 2006-2015 Member, Editorial Board, *Water Resources Research*  
 2004-2015 Member, Editorial Board, *Environmental Science and Policy*  
 2004-2015 Member, Editorial Board, *Darwin*  
 2001-2015 Member, Editorial Board, *Policy Sciences*  
 2001-2015 Member, Editorial Board, *Natural Hazards Review*  
 2006-2013 Member, Editorial Board, *Global Environmental Change: Human and Policy Dimensions*  
 2008-2011 Member, Editorial Board, *Wiley Interdisciplinary Reviews: Climate Change*  
 2001-2007 Member, Editorial Board, *Bulletin of the American Meteorological Society*  
 2003-2005 Member, Editorial Board, **International Encyclopedia of Science, Technology and Ethics**

**NATIONAL and INTERNATIONAL BOARD and COMMITTEE SERVICE**

2022- Member, BioAgora Advisory Board (Helsinki, Finland)  
 2022- Member, Advisory Board for the INGSA Europe INCLUSIVE project (Oxford, UK)  
 2021- Member, Task Force on Sport in a Post-Binary World, Women Sport International  
 2021- Member, Board of Directors, Environmental Progress, Berkeley, CA  
 2021- Advisory Board, Society for Strengthening & Transferring Evidence for Policies & Politics (STEPPs), The Hague, Netherlands  
 2017- Member, President's Leadership Council, Denver Museum of Nature and Science  
 2017- Member, Advisory Board  
       Institute for Science & Policy, Denver Museum of Nature and Science  
 2021-2022 Member, Play the Game 2022 program committee  
 2018-2019 Member, Play the Game 2019 program committee  
 2017-2019 Member, Enlightenment 2.0 steering committee, European Commission  
 2016-2017 Member, Play the Game 2017 program committee  
 2009-2016 Member, Science Advisory Board, CliSAP, University of Hamburg, Germany  
 2011-2015 Member, Committee on Responsible Science, National Research Council  
 2010-2015 Member, Scientific Advisory Board, RELKLIM, University of Innsbruck, Austria  
 2008-2009 Member, Committee on Science for Policy, Bipartisan Policy Center, Washington, DC  
 2007-2010 Member, International Advisory Board, QUEST, University of Bristol, UK

- 2006-2008 Member, Steering Committee, The Nation's Coasts: A Vision for the Future, H. John Heinz III Center for Science, Economics and the Environment
- 2005-2007 Member, Advisory Committee, Societal Impacts Group, National Center for Atmospheric Research
- 2003-2005 Advisory Panel, Program on Societal Dimensions of Engineering, Science and Technology, National Science Foundation
- 2003-2008 Member, Advisory Committee, Pacific ENSO Applications Center
- 1998-2003 Member, Science Steering Committee, World Weather Research Programme, World Meteorological Organization
- 2001-2003 Consultant, National Academy of Sciences, Board on Environment and Natural Resources, Committee on Public-Private Partnerships in Weather and Climate Services
- 2001-2003 Member, Expert Social Science Review Panel, National Oceanic and Atmospheric Administration, Science Advisory Board
- 2001-2006 Member, Board of Directors, WeatherData, Inc.
- 2001 Chair, Review Committee of National Oceanic and Atmospheric Administration, Office of Global Programs, CLIMAS Program
- 2000-2001 Member, National Academy of Sciences, Board on Ocean Sciences Committee on Abrupt Climate Change
- 1999-2002 Member, Board on Atmospheric Sciences and Climate, National Academy of Sciences
- 1999 Member, Program Review Team, Battelle Pacific Northwest National Laboratory Climate and Global Change Program, 10-11 June, 1999, Washington, DC.
- 1999 Member, National Center for Environmental Prediction/University Corporation for Atmospheric Research Review Team of the NCEP Storm Prediction Center, 24-25 February, 1999, Norman, Oklahoma.
- 1998-2002 Member, Climate and Global Change Review Panel, Office of Global Programs National Oceanic and Atmospheric Administration, Member of Executive Committee (2000-2002)
- 1999-2002 Chair, Committee on Societal Impacts, American Meteorological Society
- 1999-2001 Member, Diversity Task Force, University Corporation for Atmospheric Research
- 1998-1999 World Meteorological Organization Member, Science Steering Committee, Joint U.S.-Chinese Symposium on Climate, Environmental Change, and Regional Impacts and Workshop on the Impacts of Ocean Variability and Climate, NOAA/CMA/COA
- 1998-2000 Chair, U.S. Weather Research Program, Weather Impacts and Use Assessment Committee
- 1998-1999 Member, Scientific Steering Committee, Symposium on Climate, Environmental Change, and Regional Impacts, National Oceanic and Atmospheric Administration and Chinese Meteorological Agency
- 1998 Member, Workshop Organizing Team, NASULGC/BOA, NOAA, UCAR, and IBHS Workshop on Developing and Effectively Using Tools to Reduce Our Vulnerability to Coastal Hazards, April, Washington, DC
- 1997-2000 Member, Science Steering Committee, U.S. Weather Research Program
- 1997-1999 Member, Panel on Risk, Vulnerability, and the True Costs of Coastal Hazards, The H. John Heinz III Center for Science, Economics, and the Environment
- 1997-1999 Member, Task Committee on Mitigating Hydrological Disasters, American Society of Civil Engineers
- 1997 Member, Workshop Organizing Team, U.S. Weather Research Program, Workshop on Hurricane Landfall, Miami, FL.

- 1997 Member, National Weather Service Disaster Survey Team on Flooding on the Red River of the North, North Dakota/Minnesota.
- 1997 Member, Program Committee, U.S. National Assessment of Climate Change, Southeast Regional Workshop on Climate Variability and Water Resources, Nashville, TN
- 1996-1999 Member, Committee on Societal Impacts, American Meteorological Society

### UNIVERSITY SERVICE (*italics* = presently active)

- 2021 Member ENVS PUEC Committee (Dale Miller)
- 2020- *Member, ENVS Faculty Peer Evaluation Committee*
- 2020- *ENVS Post-tenure Review Committee*
- 2020-2021 Conference on World Affairs, Anti-Racism in America Committee
- 2020- *Member, ENVS Club Committee*
- 2020-2022 *Elected Member, BFA Intercollegiate Athletics Committee*
- 2020- *Member, ENVS Honors Council*
- 2019 Member, CU System P&T Committee, Level 2 hearing panel
- 2019-2020 Member, Budget committee, Arts & Sciences Council
- 2019-2020 ENVS representative, Arts & Sciences Council
- 2019 Member, ENVS PUEC Committee (Steve Vanderheiden)
- 2019 Member, ENVS PUEC Committee (Jill Litt)
- 2019-2020 Chair, ENVS teaching evaluation committee
- 2016-2019 Director, Sports Governance Center
- 2016-2018 Chair, SGC Professional Master's Degree Planning Committee
- 2016 Chair, SGC Strategic Planning Core Team
- 2016 Chair, CIRES Innovative Research Program Committee
- 2016-2017 Member, Student Athlete Working Group
- 2015- *Member, Privilege & Tenure Committee, CU-System*
- 2014- *Member, CU-Boulder Fulbright Scholarship interview committee*
- 2013-2016 Member, Advisory Board, Ethnic Studies Undergraduate Certificate Program in Critical Sports Studies
- 2013-2014 Member, CIRES Career Track Committee
- 2013-2014 Member, CIRES ESOC Director Search Committee
- 2013-2014 Member, ENVS PUEC Committee (Max Boykoff)
- 2013 Chair, ENVS Policy Secondary Core Review Committee
- 2012 ENVS Program By-Laws Revision
- 2012 Member, ENVS PUEC Committee (Max Boykoff)
- 2012 CIRES GRA Fellowship Committee
- 2011 Chair, ENVS Self-Study Committee
- 2011 Member, ENVS PUEC Committee (Ben Hale)
- 2011 Chair, ENVS PUEC Committee (Jill Litt)
- 2010 ENVS Graduate Committee
- 2009-2011 Steering Committee, Geosciences Initiative
- 2008-2009 Chair, CIRES Science Policy Faculty Search Committee
- 2008-2010 CIRES Executive Committee
- 2008 (fall) Interim Director, ENVS Graduate Program
- 2007-2011 ENVS Executive Committee
- 2006-2007 Chair, CIRES/ENVS Science Policy Faculty Search Committee

2006-2007	CIRES New Fellows Committee
2006	CIRES External Review Committee
2006	Environmental Studies Graduate Curriculum Committee
2005-2006	CIRES PRP Committee
2004-2006	ENVS-PSCI Faculty Search Committee
2004-2005	CIRES Career Track Committee
2004-2005	CIRES Anthropogenic Perturbations Faculty Search Committee
2004-2005	CIRES Director Search Committee
2004-2006	Chancellor's Federal Relations Advisory Committee
2004-2005	Environmental Studies Curriculum Committee
2003-2004	Chair, CIRES Visiting Fellows Committee
2003-2005	Director's Advisory Committee for the CU-Boulder Environmental Program
2003	University of Colorado Homeland Security Taskforce
2003	University of Colorado Environmental Awards Committee
2003-	CIRES Integrating Activities Theme Leader
2002-	Director, ENVS Graduate Program Policy Secondary Core
2002-2004	Director, ENVS Graduate Program
2002-2004	CIRES Visiting Fellows Committee
2001-2005	Western Water Assessment Management Team
2001-2004	Environmental Studies Executive Committee
2001-2004	Environmental Studies Graduate Curriculum Committee
2002	CIRES Innovative Research Program Review Committee
2001-2003	Beverly Sears Graduate Student Grant Committee

## EXTERNAL FUNDING

(note dates and amounts approximate, and unless otherwise noted, Pielke was PI)

- 1994: NSF \$300k, Atmosphere Sciences, Extreme Mesoscale Events and Impacts (Glantz PI)
- 1996: NSF \$100k, Atmospheric Sciences, U.S. Weather Research Program (note grant was \$100k per year on an on-going basis added to NCAR NSF base funding) for Societal Aspects of Weather
- 1997: NSF, \$100k Societal Dimensions of Engineering, Science, and Technology, Use and Misuse of Predictions in Decision Making (Sarewitz PI)
- 1998: NOAA: \$50k, Coastal Services Center, Hurricane Camille 30-Year Retrospective
- 1999: NOAA: \$150k, Office of Global Programs, Program on Climate Change Data and Detection, Reanalysis of economic data on damaging floods in the United States
- 2000: NSF: \$80k, Engineering, Extreme events: developing a research agenda for the 21<sup>st</sup> century (Sarewitz PI)
- 2000: NOAA: \$300k, Office of Global Programs, Program on Climate and Societal Interactions, Science and Technology Policy Center (Avery PI)
- 2000: NSF: \$80k, Research Experiences for Undergraduates, Global Climate Change and Society (Frodeman, PI)
- 2001: NSF: \$75k, Atmospheric Sciences, U.S. Weather Research Program, Atmospheric Sciences Policy Education and Network
- 2002: NOAA: \$125k, Office of Global Programs, Carbon Cycle Research Program, Carbon Cycle Supply and Demand
- 2002: NSF: \$150k, Societal Dimensions of Engineering, Science, and Technology, Ethnography of carbon cycle science (Lahsen PI)

- 2002: ICAT Managers (private company) \$50k, Evaluation of catastrophe models for insurance and reinsurance decision making
- 2004: MISTRA Foundation (Sweden), 3 million Swedish Krona (~\$420k), Climate Science and Policy 2012+ (Öberg PI)
- 2004: NSF, \$2.4M, Science Policy Assessment and Research on Climate, Decision Making Under Uncertainty
- 2004: NWS, \$30k, Policy Evaluation of Public-Private Partnership in Level II Radar Data
- 2006: NSF, \$36k, Decision Making Under Uncertainty and Pragmatism, Ethics and Values of Science, Engineering, and Technology
- 2008: NSF: \$50k, Scholar's Award, Basic Research as a Political Symbol, Science of Science and Innovation Policy
- 2008: NSF: \$40k, Joint US-Norway Workshop on the Role of SciSIP Research in Science Policy Decision Making, Science of Science and Innovation Policy
- 2009: NSF, \$250k, Science Policy Assessment and Research on Climate, Decision Making Under Uncertainty
- 2013: Nathan Cummings Foundation, \$100k, How Philanthropy can Improve its Effectiveness in Policy and Politics
- 2016-2017: Sports Governance Center, \$50,000 (various donations, R. George, PI)
- 2020-2021: NSF, \$154,000, EScAPE: Evaluation of Science Advice in a Pandemic Emergency, RAPID

## PUBLICATIONS

### Books

- Pielke, Jr., R. (in preparation), **Uncomfortable Knowledge: Making Use of Science in Policy and Politics**, (Cambridge University Press).
- Sarewitz, D. (in preparation), (R. Pielke Jr., editor). **How Good is Science? Pathways Toward Truth and Progress in a Quarrelsome World** (TBD).
- Sarewitz, D. (ed.) 2018. (Pielke, Jr., R. contributor). **New Tools for Science Policy, Volume I**, (CSPO: ASU).
- Pielke, Jr. R. 2018. **The Rightful Place of Science: Disasters and Climate Change**, 2<sup>nd</sup> edition (CSPO: ASU).
- Lloyd, J. et al. 2017. (Pielke, Jr., R., contributor) **The Rightful Place of Science: Climate Pragmatism** (CSPO: ASU).
- Pielke, Jr., R. 2016. **The Edge: The Quest for Competitive Advantage in the Cutthroat World of Elite Sports**, Roaring Forties Press (San Francisco, CA).
- Pielke, Jr. 2015. **Pielke's Perspective: A Collection of Articles from Bridges, OST's Publication on Science & Technology Policy.**, 93 pp., Center for Science and Technology Policy Research, Published July 2015.
- Pielke, Jr. R. 2014. **The Rightful Place of Science: Disasters and Climate Change** (CSPO: ASU).

Pielke, Jr., R. A. 2011 (paperback) and 2010 (hardback). **The Climate Fix: What scientists and politicians won't tell you about global warming** (Basic Books).

Pielke, Jr. R. A. and R Klein, (editors) 2010. **Science, Policy, and Politics in the White House: Conversations with Presidential Science Advisors 1964-2008** (Springer, The Netherlands)

Pielke, Jr., R. A. 2007. **The Honest Broker: Making Sense of Science in Policy and Politics**, (Cambridge University Press).

Pielke, Jr., R. A. 2005. **Scienza e Politica. La lotta per il consenso** (in Italian), (Rome: Latzera).

Pielke, Jr., R. A. and R. A. Pielke, Sr. (editors). 2000. **Storms**, a volume in the nine-volume series of **Natural Hazards & Disasters Major Works** published as a contribution to the International Decade for Natural Disaster Reduction (London: Routledge Press).

Sarewitz, D., R. A. Pielke, Jr., and R. Byerly, (editors) 2000. **Prediction: Science, Decision Making and the Future of Nature** (Washington, DC: Island Press).

Pielke, Jr., R. A. and R. A. Pielke, Sr. 1997. **Hurricanes: Their Nature and Impacts on Society** (London: John Wiley and Sons Press).

Columns, Newsletters and Blogs (*italics = currently active*)

- *The Honest Broker, Substack Newsletter, 2020-*
- Editor, EScAPE Blog, 2020-2022
- Columnist, Sports, 2020 Forbes Sports
- Columnist, Energy & Climate, 2019-2020, Forbes
- *Editor and contributor, 2016- Roger Pielke Jr. <http://rogerpielkejr.com>*
- Newsletter, 2017-2018 Pielke on Climate (quasi-monthly), <http://theclimatefix.wordpress.com>
- Editor and contributor, 2016-2018 The Honest Broker Blog, <http://thehonestbroker.org>
- Editor and contributor, 2012-2018 The Least Thing Blog, <http://leastthing.blogspot.com>
- Columnist, 2016 *The Daily Camera* (Boulder)
- Columnist, 2013-2018 *The Guardian Political Science*,  
<https://www.theguardian.com/profile/roger-pielke-jr>
- Columnist, 2014-2018 *Sporting Intelligence*, <http://www.sportingtintelligence.com>
- Contributor, 2014, FiveThirtyEight, <http://www.fivethirtyeight.com>
- Columnist, 2012-2014 *The Breakthrough Journal* <http://www.thebreakthrough.org>
- Columnist, 2005-2014 *Bridges* the Embassy of Austria's Office of Science and Technology Publication on Science & Technology Policy, Washington, DC. <http://www.ostina.org>
- Editor and contributor, 2009-2014 Roger Pielke Jr.'s Blog, <http://rogerpielkejr.blogspot.com>
- Editor, 2013-present and 2003-2007 *Ogmios*, Newsletter of the CIRES Center for Science and Technology Policy Research, University of Colorado,  
<http://sciencepolicy.colorado.edu/ogmios/archives/>
- Editor and contributor, 2004- 2009 *Prometheus: The Science Policy Weblog*, CIRES Center for Science and Technology Policy Research, University of Colorado,  
<http://sciencepolicy.colorado.edu/prometheus>



- Editor, *WeatherZine*, Newsletter of the Atmospheric Sciences Policy Education and Network (ASPEN) Program, 1996-2002.

### Special Journal Issues

Pielke, Jr., R. A. 2021- Guest editor, Special Collection, COVID-19 and Science Advice, *Humanities and Social Science Communication*.

Pielke, Jr., R. A., 2011. Guest Editor, Special Issue: Science Policy Research in Science Policy Decision Making, *Policy Sciences*.

Pielke, Jr., R. A. and D. Sarewitz, 2007. Guest Editors, Special Issue: Reconciling the Supply of and Demand for Science: The Case of Carbon Cycle Research, *Environmental Science and Policy*, V. **10**, No. 1.

Pielke, Jr., R. A. and S. Rayner, 2004. Guest Editors, Special Issue: Science, Policy, and Politics: Learning from Controversy over The Skeptical Environmentalist, *Environmental Science and Policy*, V. 7, No. 5.

### Articles and Book Chapters

Stenseth, N. et al. 2023 (in press). How to avoid a local epidemic becoming a global pandemic?, *Proceedings of the National Academy of Sciences*.

Pielke Jr., R. 2023 (in press). Improve how science advice is provided to governments by learning from “experts in expert advice,” *PLoS Biology*.

Simmonds, R. and R. Pielke Jr. 2023 (in press). Sport at the Climate Crossroads, Chapter in Storm et al. (eds.) **Research Handbook on Major Sporting Events** (Edgar Elgar Publishers).

Burgess, M. G., Pielke Jr, R., & Ritchie, J. (2022). Catastrophic climate risks should be neither understated nor overstated. *Proceedings of the National Academy of Sciences*, 119(42), e2214347119.

Pielke Jr., R. 2022. Making Sense of Debate Over Transgender Athletes in Olympic Sport, Chapter in H. Lenskyj and A. Greey 2022, eds. **Sport, Sex, and Difference: The Struggle for Trans Athletes’ Justice in the 21st Century**, (Emerald Publishers).

Pielke Jr, R., Burgess, M. G., & Ritchie, J. 2022. Plausible 2005-2050 emissions scenarios project between 2 and 3 degrees C of warming by 2100. *Environmental Research Letters*.

G Stebbings, A Herbert, S Heffernan, R Pielke Jr, A Tucker, R., Williams, 2021. The BASES Expert Statement on Eligibility for Sex Categories in Sport: Trans Athletes, *The Sport and Exercise Scientist*.

G Stebbings, A Herbert, S Heffernan, R Pielke Jr, A Williams, 2021. 2021. The BASES Expert Statement on Eligibility for Sex Categories in Sport: DSD Athletes, *The Sport and Exercise Scientist*

Pielke Jr, R., Burgess, M. G., & Ritchie, J. 2021. Most plausible 2005-2040 emissions scenarios project less than 2.5 degrees C of warming by 2100, <https://osf.io/preprints/socarxiv/m4fdu> .

Pielke Jr, R., & Ritchie, J. 2021. How Climate Scenarios Lost Touch With Reality, *Issues in Science and Technology*, Summer: 74-83.

Pielke Jr, R., & Ritchie, J. 2021. Distorting the view of our climate future: The misuse and abuse of climate pathways and scenarios. *Energy Research & Social Science*, 72, 101890.

Pielke, Jr., R. and S. Harris. 2021. Sport Research and the Policy Movement, *European Journal for Sport and Society*, 18:135-152.

Pielke, Jr., R. 2021. Economic “Normalization” of Disaster Losses 1998-2020: A Literature Review and Assessment, *Environmental Hazards*, 20:93-111.

Burgess, M. G., Langendorf, R. E., Ippolito, T., & Pielke, R., Jr. (2021, January 6). Optimistically biased economic growth forecasts and negatively skewed annual variation. <https://doi.org/10.31235/osf.io/vndqr>

Pielke, Jr., R. 2020. [A “Sedative” for Science Policy](#), *Issues in Science and Technology Policy*, Fall.

Pielke Jr., R., Catastrophes of the 21st Century (July 25, 2020). Available at SSRN: [https://ssrn.com/abstract=papers.cfm?abstract\\_id=3660542](https://ssrn.com/abstract=papers.cfm?abstract_id=3660542)

Saltelli, A., et al. (2020). Five ways to ensure that models serve society: a manifesto. *Nature*.

Pielke Jr, R., D. Collins, R. Crompton, P. Klotzbach, R. Musulin & J. Weinkle, 2020. Reply to: Improving normalized hurricane damages, *Nature Sustainability*, 8 June. (A reply to Martinez 2020)

Pielke, R. and Ritchie, J., Systemic Misuse of Scenarios in Climate Research and Assessment (April 21, 2020). Available at SSRN: <https://ssrn.com/abstract=3581777> or <http://dx.doi.org/10.2139/ssrn.3581777>

Burgess, M. G., J. Ritchie, J. Shapland, and R. Pielke, Jr. 2020. “IPCC Baseline Scenarios Over-project CO2 Emissions and Economic Growth.” *SocArXiv*. February 18. <https://osf.io/preprints/socarxiv/ahsxw/>

McAneney, J., B. Sandercock, R. Crompton, T. Mortlock, R. Musulin, R. Pielke, Jr., and A. Gissing. 2019. Normalised Insurance Losses from Australian Natural Disasters: 1966-2017, *Environmental Hazards*. <https://doi.org/10.1080/17477891.2019.1609406>

Pielke, Jr., R. 2019. [Caster Semenya ruling: sports federation is flouting ethics rules](#), *Nature*, doi: 10.1038/d41586-019-01606-8

Pielke, Jr., R. and M. Pape, 2019. [Science, Sport, Sex, and the Case of Caster Semenya](#), *Issues in Science and Technology*, Fall.

Pielke Jr., R. 2019. After Peak Football: Trends in and Scenarios for the Future of America’s Most Popular Sport. SportRxiv, <https://doi.org/10.31236/osf.io/t5qsd>

Pielke Jr., R., S. Harris, J. Adler, S. Sutherland, R. Houser and J. McCabe, 2019. An Evaluation of the Governance of US National Governing Bodies for Olympic Sport. *European Sport Management Quarterly*. <https://doi.org/10.1080/16184742.2019.1632913>

Pielke, Jr., R. and E. Boye, 2019. Scientific Integrity and Anti-Doping Regulation, *International Journal of Sport Policy and Politics*. <https://www.tandfonline.com/doi/full/10.1080/19406940.2019.1596968>

Pielke Jr., R. and B-O. Linnér, 2019. From Green Revolution to Green Evolution: A Critique of the Political Myth of Averted Famine, *Minerva*. <https://link.springer.com/article/10.1007/s11024-019-09372-7>

Pielke, Jr. R., R. Tucker and E. Boye, 2019. Scientific Integrity and the IAAF Testosterone Regulations, *International Sports Law Journal*. <https://link.springer.com/article/10.1007/s40318-019-00143-w>

Pielke, Jr., R. 2019. Response to Briggie, *Issues in Science and Technology*, Winter. <https://issues.org/forum-41/>

Pielke, Jr., R. 2019. Tracking Progress on the Economic Costs of Disasters Under the Indicators of the Sustainable Development Goals, *Environmental Hazards* 18:1-6. <https://doi.org/10.1080/17477891.2018.1540343>

Pielke, Jr., R. 2019. Seven Things Everyone Should Know About Climate Policy, pp. 40-46 in IEEJ Energy Journal: Special Issue.

Pielke, Jr. R. 2018. Opening Up the Climate Policy Envelope. *Issues in Science and Technology*, 34, no. 4 (Summer). <https://issues.org/opening-up-the-climate-policy-envelope/>

Weinkle, J., R. Pielke, Jr., C. Landsea, D. Collins, R. Musulin, R. P. Crompton and P. J. Klotzbach, 2018. Normalized Hurricane Damage in the Continental United States: 1900-2017, *Nature Sustainability*. <https://www.nature.com/articles/s41893-018-0165-2>

Pielke, R. 2018. Assessing Doping Prevalence is Possible. So What Are We Waiting For?. *Sports Medicine*, 48:207-209.

Sarewitz, D. and R. Pielke, Jr. 2018. The Neglected Heart of Science Policy: Reconciling Supply of and Demand for Science, pp. 3-42 in D. Sarewitz (ed), **The Rightful Place of Science: New Tools for Science Policy**, (ASU: CSPO).

Pielke, Jr. R., D. Sarewitz and H. R. Byerly, Jr. 2018. Decision Making and the Future of Nature: Understanding and Using Predictions, pp. 71-108 in D. Sarewitz (eds), **The Rightful Place of Science: New Tools for Science Policy**, (ASU: CSPO).

Weinkle, J. and R. Pielke, Jr. (2018). Weather and Climate Damage Studies, *Oxford Bibliographies: Geography*, DOI: 10.1093/OBO/9780199874002-0194.

Pielke Jr, R. 2017. Sugar, spice and everything nice: how to end ‘sex testing’ in international athletics. *International Journal of Sport Policy and Politics*, 1-18.

Pielke, Jr. R. 2017. Climate Change as Symbolic Politics in the United States, *IEEJ Journal* (October, pp. 11-15).

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Pielke, Jr., R. A., C. Simonpietri, and J. Oxelson 1999. **Thirty Years After Hurricane Camille: Lessons Learned, Lessons Lost**, Environmental and Societal Impacts Group, National Center for Atmospheric Research.

Pielke, Jr., R. A., B. Enosh, A. Gutierrez, and M. Mercer 1999. **Extreme Weather Sourcebook: An Educational Report on Damages in the United States Related to Tornadoes, Floods and Hurricanes**, Environmental and Societal Impacts Group National Center For Atmospheric Research, February.

Pielke Jr., R. A. 1996. **Midwest Flood of 1993: Weather, Climate, and Societal Impacts**, Environmental and Societal Impacts Group, National Center for Atmospheric Research, October 22, 159 pp.

Pielke Jr., R. A. 1995. **Hurricane Andrew in South Florida: Mesoscale Weather and Societal Responses**, Environmental and Societal Impacts Group, National Center for Atmospheric Research, June 1, 244 pp.

#### Workshop Reports

Pielke, Jr., R. A. and E. Lövbrand, 2009. Report of the Workshop on Reconciling the Supply of and Demand for Research: Who benefits? When? How? And Why? Linköping, Sweden. Center for Science and Technology Policy Research, University of Colorado.

January 2023 – Curriculum Vitae (Pielke)

Pielke, Jr., R. A. and M. Jacob, 2009. Report of the Workshop on Reconciling the Supply of and Demand for the Science of Science and Innovation Policy (SciSIP), Oslo, Norway. Center for Science and Technology Policy Research, University of Colorado.

Pielke, Jr., R. A., R. Crompton, E. Faust, J. Gratz, M. Lonfat, Qian Ye, S. Raghavan, 2006. Report of Section 5.1, Factors contributing to human and economic losses, International Workshop on Tropical Cyclones VI, WMO Tropical Meteorology Research Programme Report Series..

Pielke, Jr., R. A. and P. Hoeppe (eds.) 2006. Report of the Workshop on Climate Change and Disaster Losses: Understanding and Attributing Trends and Projections, Center for Science and Technology Policy Research, University of Colorado, Boulder, CO.

McNie, E., R. A. Pielke, Jr., and D. Sarewitz, 2006. Report of the Workshop on RISA Science Policy, Center for Science and Technology Policy Research, University of Colorado, Boulder, CO.

Pielke, Jr., R. A., D. Sarewitz, L. Dilling, 2004. Report of the Workshop on Carbon Cycle Science: Reconciling Supply and Demand, Understanding and enhancing the linkages between decision making and carbon cycle research, Center for Science and Technology Policy Research, University of Colorado, Boulder, CO.

Pielke, Jr., R. A. and R. Klein 2003. Report of the Symposium on Science Technology and Security: Knowledge for a Post 9/11 World, Center for Science and Technology Policy Research, University of Colorado, Boulder, CO.

Pielke, Jr., R. A. 2001. Report of the Workshop on Risk-Benefit Assessment of Observing System Decision Alternatives, National Aeronautics and Space Administration, June 2000, Boulder, CO.

Pielke, Jr., R. A. 2001. Report of the Workshop on the Weather Research Needs of the Private Sector, U.S. Weather Research Program, Palm Springs. CA, December 2000.

Sarewitz, D. and R. A. Pielke, Jr. 2000. Report of the Workshop on Extreme Events, Environmental and Societal Impacts Group, National Center for Atmospheric Research and Columbia University Center for Science, Policy and Outcomes, Boulder, CO, July.

Pielke, Jr., R. A. 1999. Background paper, “Hurricane and Flood Losses in the Mid-Atlantic Region: A Paper Prepared as a Contribution to the U.S. National Climate Assessment,” prepared at the request of Ann Fischer, Pennsylvania State University, 5 January.

Pielke, Jr., R. A., D. Sarewitz, and R. Byerly, 1998. Report of the Workshop on Prediction in the Earth Sciences: Use and Misuse in Policy Making, Environmental and Societal Impacts Group, National Center for Atmospheric Research and The Geological Society of America, Boulder, CO, July.

Pielke, Jr., R. A., K. McGuffie, L. Avila, and C. Landsea, 1998. Report of Section 5.0, Societal Impacts, International Workshop on Tropical Cyclones IV, WMO Tropical Meteorology Research Programme Report Series, Report No. 59, WMO/TD - No. 875.

## January 2023 – Curriculum Vitae (Pielke)

Pielke, Jr., R. A. and D. Sarewitz, 1997. Report of the Case Study Workshop on the Use and Misuse of Predictions in the Earth Sciences, Environmental and Societal Impacts Group, National Center for Atmospheric Research and The Geological Society of America, Boulder, CO, July.

Pielke, Jr., R. A. 1997. Report of the Workshop on the Social and Economic Impacts of Weather, Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO, May.

Contributing author to D. Malmquist (ed.), 1997. *Tropical Cyclones and Climate Variability: A Research Agenda for the Next Century* (Risk Prediction Initiative, Bermuda Biological Station for Research).

Pielke, Jr. R. A., J. Kimpel, C. Adams, J. Baker, S. Changnon, K. Heideman, P. Leavitt, R. N. Keener, J. McCarthy, K. Miller, A. Murphy, R. S. Pulwarty, R. Roth, E. M. Stanley, Sr., T. Stewart, T. Zacharias, 1997. Societal aspects of weather: report of the sixth prospectus development team of the U.S. weather research program to NOAA and NSF, *Bulletin of the American Meteorological Society* **78**:867-876.

Pielke Jr., R. A., 1995. Report of the Weather Impacts Assessment Workshop, 8-9 August, Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO, 11 September.

## WORKSHOPS ORGANIZED

Pielke, Jr. R. A. (with M. Garfinkel), 2010. **Gordon Research Conference on Science and Technology Policy**, Waterville Valley Resort, NH.

Pielke, Jr. R. A. (with Eva Lövbrand), 2009. **Workshop on Reconciling the Supply of and Demand for Research: Who benefits? When? How? And Why?** Linköping Universitet, Linköping, Sweden.

Pielke, Jr. R. A. (with M. Jacob). 2009. **Reconciling the supply of and demand for research in the science of science and innovation policy**, 12-14 May, University of Oslo and Norwegian Research Foundation, Oslo, Norway.

Pielke, Jr., R. A. (with J. Fisher). 2008. **Balanced Earth: A Conversation with Governors of Colorado, West Virginia, and Wyoming**, 14 September, University of Colorado.

Pielke, Jr., R. A. (with P. Hoeppe). 2006. **Climate Change and Disaster Losses: Understanding and Attributing Trends and Projections**, 25 and 26 May, Hokenhammer, Germany, sponsored by the National Science Foundation, Munich Re, GKSS Research Center, and the Tyndall Centre for Climate Change.

Pielke, Jr. and D. Sarewitz, 2005. **Science Policy Decisions in the NOAA RISA Programs**, 15-17 August, sponsored by the National Science Foundation, Honolulu, HI.

Pielke, Jr., R. A. (with D. Sarewitz). 2004. **Reconciling Supply of and Demand for Carbon Cycle Science**, 16-17 September 2004, Fort Collins, CO, sponsored by the National Oceanic and Atmospheric Administration.

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Pielke, Jr., R. A. 2002. **Science, Technology and Security: Knowledge for a Post-9/11 World**, 10-11 October, Boulder CO, Sponsored by University of Colorado (Boulder, Denver, Colorado Springs, Health Sciences Center), Colorado State University, Denver University and the Alfred P. Sloan Foundation.

Pielke, Jr., R. A. 2001. **NASA Workshop on Risk-Benefit Assessment of Observing System Decision Alternatives**, 18-20 June, Boulder, CO. Sponsored by the National Aeronautics and Space Administration.

Pielke, Jr., R. A. 2000. **Weather Research Needs of the Private Sector**, 29 November – 1 December, Palm Springs, CA. Sponsored by the U.S. Weather Research Program.

Pielke, Jr., R. A., (with D. Sarewitz). 2000. **Extreme Events: Developing a Research Agenda for the 21<sup>st</sup> Century**, 7-9 June, Boulder, CO. Sponsored by the National Science Foundation.

Pielke, Jr., R. A., (with D. Sarewitz, R. Byerly, and D. Jamieson), 1998. **Workshop on the Use and Misuse of Prediction in the Earth Sciences for Policy Making**, 10-12 September, Estes Park, Boulder, CO. Sponsored by the National Science Foundation.

Pielke, Jr., R. A., (with D. Sarewitz), 1997. **Case Study Workshop on the Use and Misuse of Prediction in the Earth Sciences for Policy Making**, 10-12 July, National Center for Atmospheric Research, Boulder, CO. Sponsored by the National Science Foundation and the Geological Society of America.

Pielke, Jr., R. A., (with J. Kimpel), 1997. **Workshop on the Social and Economic Impacts of Weather** 2-4 April, National Center for Atmospheric Research, Boulder, CO. Sponsored by the U.S. Weather Research Program, Electric Power Research Institute, University Corporation for Atmospheric Research, American Meteorological Society, White House Subcommittee on Natural Disaster Reduction, and National Center for Atmospheric Research.

Pielke, Jr. R. A., (with J. Kimpel), 1996. **U.S. Weather Research Program Prospectus Development Team on Social and Economic Aspects of Weather**, 13-15 May, National Science Foundation, Arlington, VA. Sponsored by the U.S. Weather Research Program.

Pielke Jr., R. A., 1995. **Weather Impacts Assessment Workshop**, 8-9 August, Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO. Sponsored by the Environmental and Societal Impacts Group at NCAR.

## CLASSES TAUGHT

2019, 2021. Energy, Policy and Society, ENVS 3261

This course focused on developing basic understandings of energy units, scale, access and geopolitics in the context of climate policy and politics.

2021, 2022 Science, Policy and Politics. ENVS 5100

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This class is unique every time taught. In 2021 it was focused on a class project to produce a report on the lack of diversity among CU undergraduates. In 2022 it focused on various topics of science and technology policy.

2020, 2022      Climate Science, Policy and Politics, ENVS 4800

This class is unique every time taught. In 2021 it focused on the uses the Kaya identity as the basis for understanding dynamics associated with population, GDP, energy intensity of the economy and carbon intensity of energy and how they contribute to carbon dioxide emissions from the burning of fossil fuels. A key focus of this course is to develop skills of quantitative analysis and reasoning. In 2022 the class focused on controversies in environmental policy and politics, and took on the origins of Covid, natural disasters, energy policy and the emerging issues associated with Russia's invasion of Ukraine.

2020      Science in Policy, Politics and Society, ENVS 5100

This course introduces students to academic literature and professional practices in science and technology policy, science and technology studies and quantitative methods of policy analysis.

2005, 2010-2012, 2019      Quantitative Methods of Policy Analysis, ENVS 5120

A course focused on surveying and introducing a range of quantitative methods of policy analysis and their application in particular cases. Course included a focus on topics including microeconomics, linear programming, cost-benefit analysis, federal budgeting, statistics and probability, linear regression, uncertainty analysis, surveys, expert elicitation and the graphical display of information.

2016-2019      Introduction to Sports Governance, ETHN 3104

This is the first course offered under the newly developed Sports Governance Center at the University of Colorado's Department of Athletics. The course had 84 students and included more than 20 different majors. The course focused on contemporary policy questions related to the governance of national and international sport. Issues discussed included technological augmentation, gender policies, doping, and the rights of college athletes. The course focused on critical thinking skills and an introduction to policy analysis. Guest speakers have included Lance Armstrong, Travis Tygart, Oliver Luck, Jack Graham, Mara Abbott and Kara Goucher.

2012, 2018      Science and Society: An Introduction to Science and Technology Studies

A core course Graduate Certificate Program in Science and Technology Policy. This course focuses on the social science of science and technology, which is typically called "science and technology studies." This course provides an overview of key literature and debates in the STS literature.

2017      Olympic Sports Governance (SPTM 4250, co-taught with S. Harris at UCCS)

The aim of this course is to develop a critical understanding of the governance, structure and policies of International and Olympic Sport as well as examine a range of issues that challenge

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the governance of sport. The class focused on three areas of study: (i) the historical development of modern sport and the history, role and value of the Olympic movement, (ii) the governance, structure and policies of sport globally and within the United States, and (iii) a range of key issues that challenge the governance of international and Olympic sport.

2004-2007, 2010, 2012, 2015    Science and Technology Policy, University of Colorado, ENVS 5100-002

A core course Graduate Certificate Program in Science and Technology Policy. Course focuses on United States science and technology policies, including the topics such as the federal budget process, technology transfer, the role of the university, and science and technology policy careers.

2014                    The Governance of Sport

This course, a part of the proposed undergraduate certificate in Critical Sports Studies, focused on contemporary policy questions related to the governance of national and international sport. Issues discussed included technological augmentation, gender policies, doping, and the rights of college athletes. The course focused on critical thinking skills and an introduction to policy analysis.

2002-2011            Policy, Science and the Environment, University of Colorado ENVS 5000

Required introductory course to the University of Colorado Graduate Program in Environmental Studies. The courses focuses on an introduction to policy research, the roles of science in environmental policy making, and cases studies in applying the tools of the policy sciences to particular environmental issues. Course homepage at:  
<http://sciencepolicy.colorado.edu/pielke/envs5000/index.html>

2009                    Making Sense of the Climate Debate, University of Denver, Denver , Colorado.

This course was an enrichment course for career professionals and others. It focused on mitigation, adaptation and the science and politics of the climate debate.

2008, 2009            Science, Policy and Politics of Climate Change, Zeppelin University, Friedrichshafen, Germany

This course focuses on understanding the basic dimensions of the climate issue with a focus on the carbon cycle, mitigation policy, adaptation policy, and the role of science in policy and politics. The course was offered as part of ZU's International Week to a class of approximately 25 upper level undergraduates from various German universities.

2007                    Making Decisions in a Complicated World, University of Colorado, ENVS 4800

This course was designed to fulfill the critical thinking requirement for upper-level undergraduates. The course was focused on replicating the "Copenhagen Consensus" exercise in which students are divided into groups with a mandate to allocate \$50 billion among 12 of the world's most pressing problems. Students began by identifying the problems and then concluded the course with a presentation on the methodology that they used to prepare their allocations.



2004            The Use, Misuse, and Abuse of Science in Policy and Politics, University of Colorado,  
                      ENVS 4800

A new course focused on developing and applying criteria for understanding the misuse of science in decision making focused on the administrations of George H. W. Bush and William J. Clinton. The course focused on distinguishing policy and politics, and the various roles of science in each.

2003-2004    Introduction to the Policy Sciences: The Problem Orientation, University of Colorado,  
                      ENVS 5730

Designed and taught core graduate level seminar on public policy decision making. Course focuses on normative and functional aspects of decision.

1999 and 2000 Policy Responses to Global Environmental Change: University of Colorado, ARSC 5020

Co-designed and co-taught (with Kathleen Miller and Susan Avery) graduate level course on global environmental change as part of the University's Environmental Certificate Program. The course focused on climate change, ozone depletion, and the hydrologic cycle.

1997-2000    Introduction to the Policy Sciences: The Decision Process, University of Colorado, PSCI  
                      5036/7036

Designed and taught core graduate level seminar on public policy decision making. Course focuses on normative and functional aspects of decision.

1998    Policy Responses to Global Environmental Change: Post-Kyoto Perspectives on Climate Change,  
University of Colorado, ARSC 5020

Co-designed and co-taught (with Peter Webster) graduate level course on global environmental change as part of the University's Environmental Certificate Program. The course focused on lectures by prominent experts on the science and policy of climate change following the Third Conference of Parties held in Kyoto, Japan in December, 1997.

1997    Policy Responses to Global Environmental Change: Science, Values, and Institutional Dynamics in the Environmental Policy Process, University of Colorado, ARSC 5020

Co-designed and co-taught (with Lloyd Burton) graduate level course on global environmental change as part of the University's Environmental Certificate Program. Topics covered included Superfund implementation, ozone depletion, acid rain, global warming, energy policy, natural hazards, and international trade.

1996    Methods of Policy Analysis, Denver University, INTS 4967

Designed and taught a graduate-level survey course on quantitative methods for public policy analysis. Topics covered included basic probability and statistics, cost/benefit analysis, forecasting, budgeting, and policy problem structuring.

1995 Science, Climate, and the Policy Process, University of Colorado, ASRC 1510

Designed and taught seminar focused on environmental science and its use in various processes of decision. Students completed units on the policy implications of hurricanes, El Niño, and global climate change.

1995 Science and the Policy Process, University of Colorado, ASRC 1510

Designed and taught seminar focused on environmental science and its use in various processes of decision. Students completed units on the policy implications of stratospheric ozone depletion and El Niño.

1994 Introduction to Public Policy, University of Colorado, PS 2101.

Designed and taught course focused on policy problem definition and policy process analysis. Students completed the Kidney exercise and units on the federal budget and space policy.

1994 Introduction to American Politics, University of Colorado, PS 1101.

Teaching assistant, three recitation sections.

1993 Introduction to American Politics, University of Colorado, PS 1101.

Head teaching assistant, responsible for two recitation sections, coordination of four TAs, test preparation, and class grading.

1993 Introduction to Public Policy, University of Colorado, PS 2101.

Designed and taught course focused on policy problem definition and policy process analysis. The course had three units: federal budget policy, space policy, and environmental policy.

1992-1993 Mentor/Tutor: Academic Counseling, Athletics Department,  
University of Colorado

Subjects taught: all undergraduate mathematics and political science, various other subjects, and general academic skills.

## GRADUATE STUDENT COMMITTEES

S. Muhammad	Ph.D. external evaluation committee, Hong Kong University, School of Energy and Environment, 2020
R. Simmons	Comprehensive exam committee member, ENVS 2019
R. Simmons	Ph.D. co-advisor (with B. Hale), ENVS, University of Colorado 2019
E. Longenecker	Ph.D. Committee Member, GEOG, University of Colorado 2019
O. Pearman	Comprehensive exam committee member, ENVS 2019
A. Tozier de la Poterie	Ph.D. Advisor, ENVS, University of Colorado, 2017
J. Weinkle	Ph.D Advisor, ENVS, University of Colorado, 2013

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K. Hoyt	Ph.D. Committee Member, SOCY, University of Colorado, 2012
R. Crompton	Ph.D. co-Director, Earth Sciences, Macquarie University, Sydney, Australia, 2012
A. Tweedie	M.S. Advisor, ENVS, University of Colorado, 2012
M. Reisman	M.S./M.B.A. Advisor, ENVS University of Colorado, 2012
T. Kötz	Ph.D. Committee Member, University of Barcelona, 2011
R. Meyer	Ph.D. Committee Member, HSD of Science and Technology, Arizona State University, 2011
S. Moleji	Ph.D. Advisor, ENVS, University of Colorado, 2011
D. Cherney	Ph.D. Advisor, ENVS, University of Colorado, 2010
C. Lacasse	M.S. Advisor, ENVS, University of Colorado, 2010
J. Adler	Ph.D. Committee member, GEOG, University of Colorado, 2010
K. In-Seung	Ph.D. Qualifying Paper Committee, PSCI, University of Colorado, 2009
K. Stockton	Ph.D. Committee Member, ENVS, University of Colorado, 2009
E. McNie	Ph.D. Advisor, ENVS, University of Colorado, 2008
G. Maricle	Ph.D. Advisor, ENVS, University of Colorado, 2008
N. Logar	Ph.D. Advisor, ENVS, University of Colorado, 2008
J. Hague	M.S. Advisor, ENVS, University of Colorado, 2007
E. Mulligan	Ph.D. Committee member, Psychology, University of Colorado, 2006
J. Vogel	Ph.D. Committee member, ENVS, University of Colorado, 2006
A. Briggie	Ph.D. Committee member, ENVS, University of Colorado, 2006
E. Fisher	Ph.D. Committee member, ENVS, University of Colorado, 2006
J. Gratz	M.S. Advisor, ENVS, University of Colorado, 2006
E. Noble	M.S. Advisor, ENVS, University of Colorado, 2005
B. Lowham	Ph.D. Committee Member, Political Science, University of Colorado, 2005
G. Maricle	M.S. Advisor, ENVS, University of Colorado, 2005
J. Lang	M.S. Advisor, ENVS, University of Colorado, 2004
E. Von Herberstein	M.S. Advisor, ENVS, University of Colorado, 2004
S. Tegen	M.S. Advisor, ENVS, University of Colorado, 2003
M. Boland	Ph.D. Committee Member, Geology, Colorado School of Mines, 2004
L. McCain	Ph.D. Committee Member, Political Science, University of Colorado, 2003
B. Gravell	Master's Thesis Committee Member, Public Policy, University of Colorado, 2002
D. Warn	Master's Thesis Committee Chair, Public Policy, University of Colorado, 2001
N. Rosmarino	Ph.D. Committee Member, Political Science, University of Colorado, 2001
C. Brooker	Master's Thesis Committee Member, Public Policy, University of Colorado, 2001
Z. Miller	Master's Thesis Committee Chair, Public Policy, University of Colorado, 2001
T. Kestin	Ph.D., Dissertation Reader, Climatology, Monash University, Adelaide, Australia, 2000
D. Warn	EPA STAR Fellowship Advisor, Chemistry, University of Colorado, 2000
K. Ohman	Master's Thesis Committee Chair, Public Policy, University of Colorado, 1998
R. Klein	Master's Thesis Committee Member, Public Policy, University of Colorado, 1998
C. Gent	Master's Thesis Committee Member, Political Science, University of Colorado, 1998
E. Noble	SOARS Student, 2004, University of Colorado
P. Heard	SOARS Student, 2000, University of Indiana

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N. Cofield	SOARS Student, 1998, Alabama A&M
Q. Franco	SOARS Student, 1996 and 1997, Harvard University

### UNDERGRADUATE THESIS SUPERVISED

G. O'Brien	Environmental Studies, University of Colorado, 2007
J. Gratz	Meteorology, Pennsylvania State University, 2003

### CONFERENCE AND WORKSHOP PRESENTATIONS, LECTURES AND TALKS

I have given hundreds and hundreds of presentations and talks around the world, at universities, for businesses and non-profits and to the general public. I stopped tracking these many years ago when the list grew to over 20 pages as part of this vitae, but if there is interest I can provide a recent list of examples. Some of my recent talks can be found on YouTube and on my websites.

### OTHER PROFESSIONAL SERVICE AND ACTIVITIES

Professional Affiliations (recent, may not be current)

Play the Game  
International Network of Doping Research  
Society for the Social Studies of Science  
European Association for the Study of Science and Technology

Refereeing and Reviewing (this list is not current, I perform about one review per month)

Referee:

- Aquatic Sciences*
- Bulletin of the American Meteorological Society*
- Climatic Change*
- Climate Research*
- Environmental Hazards*
- Environmental Health Perspectives*
- Global Environmental Change*
- GSA Today*
- Journal of Applied Meteorology*
- Journal of the American Water Resources Association*
- Journal of Climate*
- Journal of Geophysical Research - Atmospheres*
- Journal of the Pennsylvania Academy of Science*
- Meteorological Applications*
- Minerva*
- National Weather Digest*
- Natural Hazards*
- Natural Hazards and Earth System Sciences*
- Natural Hazards Review*
- Nature*
- Physics Today*
- Policy Sciences*

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*Political Geography*  
*Political Research Quarterly*  
*Proceedings of the Royal Society*  
*Risk Analysis*  
*Science*  
*Science and Public Policy*  
*Sport Management Review*  
*Sports Medicine*  
*Tellus*  
*Water International*  
*Weather and Forecasting*

Referee: American Geophysical Union  
Cambridge University Press  
Capstone Press  
Columbia University Press  
Earthwatch Press  
Intergovernmental Panel on Climate Change  
John Wiley & Sons Press  
Kluwer Academic Publishers  
Lehigh University Press  
Massachusetts Institute of Technology Press  
National Geographic Books  
Routledge Press  
Springer-Verlag Press  
University of California Press  
University of Toronto Press  
Worldwatch  
Yale University Press

Reviewer: Intergovernmental Panel on Climate Change, SREX, Special Report on Extreme Events  
Intergovernmental Panel on Climate Change, AR4 Working Group II, Chapters 18 and 19  
Intergovernmental Panel on Climate Change, TAR Working Group II, Financial Services  
Millennium Ecosystem Assessment  
National Academy of Sciences, Board on Atmospheric Sciences and Climate  
National Academy of Sciences, Climate Research Committee  
National Academy of Sciences, Committee on Ecosystems, Infectious Disease, and Health  
National Academy of Sciences, Committee on Weather Research for Surface Transportation: The Roadway Environment  
National Academy of Sciences, Ocean Studies Board  
National Academy of Science, Water Sciences and Technology Board  
National Science Foundation, Biocomplexity Panel Review  
National Science Foundation, Education and Human Resources  
National Science Foundation, Geography and Regional Science  
National Science Foundation, Program on Science, Technology and Society

National Science Foundation, Division of Atmospheric Sciences  
National Science Foundation, Program on Decision, Risk, and Management Sciences  
National Science Foundation, Office of Integrative Activities  
National Science Foundation, Office of Polar Programs, Arctic Social Sciences Program  
National Science Foundation, Societal Dimensions of Engineering, Science, and  
Technology Program  
National Science Foundation, Statistics and Probability Program  
National Oceanic and Atmospheric Administration, Office of Global Programs, Climate  
Change Data and Detection  
National Oceanic and Atmospheric Administration, Office of Global Programs, Human  
Dimensions Program  
National Oceanic and Atmospheric Administration, Office of Global Programs,  
GAPP/GEWEX  
Rand Corporation, Program on Science and Technology Policy  
Social Science and Humanities Research Council of Canada

## **OTHER POSITIONS HELD**

2001-2004	Associate Professor, University of Colorado, Environmental Studies Program
1993-2001	Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO Scientist III (2000), Scientist II (1998), Scientist I (1996), Visiting Scientist (1994)
1995	Instructor, Graduate School of International Studies, Denver University, Denver, CO.
1993-2000	Instructor, Department of Political Science, University of Colorado
1991	Intern, Committee on Science, Space, and Technology, U.S. House of Representatives, Washington, DC.
1990-1993	Graduate Research Assistant, Center for Public Policy Research and Center for Space and Geosciences Policy, University of Colorado, Boulder, CO.
1990	Undergraduate Research Assistant, Center for Space and Geosciences Policy, University of Colorado, Boulder, CO.
1988-1990	Undergraduate Research Assistant, Atmospheric Chemistry Division, National Center for Atmospheric Research, Boulder, CO.
1986-1988	Undergraduate Research Assistant, Department of Atmospheric Science, Colorado State University, Fort Collins, CO.

## **REFERENCES AVAILABLE UPON REQUEST**