

# JESSE REYNOLDS

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Web: <http://jreynolds.org>

## POSITIONS

- 2021-present **Chief of Staff**  
The Degrees Initiative
- 2021-present **Principal**  
Divided Sky Research and Consulting
- 2022-2023 **Executive Secretary**  
Global Commission on Governing Risks from Climate Overshoot  
**Senior Policy Officer**  
Paris Peace Forum
- 2021-2022 **Principal**  
Divided Sky Research and Consulting
- 2018-2021 **Emmett / Frankel Fellow in Environmental Law and Policy**  
(Assistant professor level)  
University of California, Los Angeles  
School of Law  
Emmett Institute on Climate Change and the Environment
- 2017-2021 **Associate researcher** (2018-2021)  
**Assistant professor** (2018)  
**Post-doctoral researcher** (2017)  
Utrecht University  
Faculty of Law, Economics and Governance  
Utrecht Centre for Water, Oceans and Sustainability Law
- 2014-2021 **Research affiliate** (2018-2021)  
**Occasional visiting researcher** (2014-2017)  
Harvard University  
Center for the Environment  
Harvard's Solar Geoengineering Research Program
- 2010-2017 **Lecturer** (2017)  
**Post-doctoral researcher** (2014-2016)  
**PhD candidate and researcher** (2010-2014)  
Tilburg University  
Faculty of Law  
Department of European and Public International Law  
**Affiliated researcher** (2010-2016)  
School of Economics and Management  
Tilburg Sustainability Center
- 2001-2010 **Program Director and Policy Researcher**  
Center for Genetics and Society
- 2000-2001 **Director**  
Berkeley Foundation for Opportunities in Information Technology

## EDUCATION

- 2014      Ph.D., Tilburg University  
Department of European and Public International Law  
Faculty of Law  
Dissertation: The International Regulation of Climate Engineering  
Supervisors: Han Somsen and Jonathan Verschuuren
- 2000      M.S., University of California, Berkeley  
Department of Environmental Science, Policy, and Management  
College of Natural Resources  
Thesis: Water Resources Development in Santa Clara Valley, California
- 1997      B.A., Hampshire College  
School of Natural Science  
Concentration: Chemistry and environmental sciences  
Transferred from Indiana University (1992-1994)

## ACADEMIC PUBLICATIONS

### Books

- 2019      *The Governance of Solar Geoengineering: Managing Climate Change in the Anthropocene* (Cambridge University Press) [DOI:10.1017/9781316676790](https://doi.org/10.1017/9781316676790)

### Journal articles

- 2023      “If Deliberation Is the Answer, What Is the Question? Objectives and Evaluation of Public Participation and Engagement in Science and Technology,” *Journal of Responsible Innovation* 10(1): 2129543 (as lead author, with Eric B. Kennedy and Jonathan Symons). [DOI:10.1080/23299460.2022.2129543](https://doi.org/10.1080/23299460.2022.2129543) (impact factor = 3.9; published online ahead of print in 2022)
- 2023      “Communication of Solar Geoengineering Science: Forms, Examples, and Explanation of Skewing,” *The Anthropocene Review* 10(2). [DOI:10.1177/20530196221095569](https://doi.org/10.1177/20530196221095569) (impact factor = 4.2; published online ahead of print in 2022)
- 2022      “A Preliminary Framework for Understanding the Governance of Novel Environmental Technologies: Ambiguity, Indeterminateness and Drift,” *Earth System Governance* 12: 100134 (with Sikina Jinnah, Florian Rabitz, Marian Feist, Matthias Honegger, and Joshua Horton). [DOI:10.1016/j.esg.2022.100134](https://doi.org/10.1016/j.esg.2022.100134) (impact factor = 5.5)
- 2022      “Linking Solar Geoengineering and Emissions Reductions: Strategically Resolving an International Climate Change Policy Dilemma,” *Climate Policy* 22(3): 285-300. [DOI:10.1080/14693062.2021.1993125](https://doi.org/10.1080/14693062.2021.1993125) (impact factor = 5.1; published online ahead of print in 2021)
- 2021      “Informing Solar Geoengineering Policy,” *Science* 374(6569): 815-818 (with Joseph E. Aldy, Tyler Felgenhauer, William A. Pizer, Massimo Tavoni, Mariia Belaia, Mark Borsuk, Arunabha Ghosh, Garth Heutel, Daniel Heyen, Joshua Horton, David Keith, Christine Merk, Juan Moreno-Cruz, Katharine Ricke, Wilfried Rickels, Soheil Shayegh, Wake Smith, Simone Tilmes, Gernot Wagner, and Jonathan Wiener). [DOI:10.1126/science.abj6517](https://doi.org/10.1126/science.abj6517) (impact factor = 41.9)

- 2021 "Solar Geoengineering: Scenarios of Future Governance Challenges," *Futures* 133: 102806 (opening article of a special collection, with Edward A. Parson). DOI: [10.1016/j.futures.2021.102806](https://doi.org/10.1016/j.futures.2021.102806) (impact factor = 3.1)
- 2021 "Solar Geoengineering Governance: Insights from a Scenario Exercise," *Futures* 132: 102805 (closing article of a special collection, with Edward A. Parson). DOI: [10.1016/j.futures.2021.102805](https://doi.org/10.1016/j.futures.2021.102805) (impact factor = 3.1)
- 2021 "Earth System Interventions as Technologies of the Anthropocene," *Environmental Innovation and Societal Transitions* 40: 132-146. DOI: [10.1016/j.eist.2021.06.010](https://doi.org/10.1016/j.eist.2021.06.010) (impact factor = 8.4)
- 2021 "Engineering Biological Diversity: The International Governance of Synthetic Biology, Gene Drives, and De-extinction for Conservation," *Current Opinion in Environmental Sustainability* 49: 1-6. DOI: [10.1016/j.cosust.2020.10.001](https://doi.org/10.1016/j.cosust.2020.10.001) (impact factor = 5.7; published online ahead of print in 2020)
- 2021 "Is Solar Geoengineering Ungovernable? A Critical Assessment of Governance Challenges Identified by the IPCC," *Wiley Interdisciplinary Reviews: Climate Change* 12(2): e690 DOI: [10.1002/wcc.690](https://doi.org/10.1002/wcc.690) (impact factor = 6.1; published online ahead of print in 2020)
- 2020 "Taking Technology Seriously: Introduction to the Special Issue on New Technologies and Global Environmental Politics," (as equal co-author, with Simon Nicholson) *Global Environmental Politics* 20(3): 1-8. DOI: [10.1162/glep\\_e\\_00576](https://doi.org/10.1162/glep_e_00576) (impact factor = 3.1) (opening essay for a special collection)
- 2020 "Governing New Biotechnologies for Biodiversity Conservation: Gene Drives, International Law, and Emerging Politics" *Global Environmental Politics* 20(3): 28-48. DOI: [10.1162/glep\\_a\\_00567](https://doi.org/10.1162/glep_a_00567) (impact factor = 3.1)
- 2020 "An Earth System Governance Perspective on Solar Geoengineering," (as equal co-author, with Joshua B. Horton) *Earth System Governance* 3: 100043. DOI: [10.1016/j.esg.2020.100043](https://doi.org/10.1016/j.esg.2020.100043)
- 2020 "Nonstate Governance of Solar Geoengineering Research" (as lead author, with Edward A. Parson) *Climatic Change* 160: 323-342. DOI: [10.1007/s10584-020-02702-9](https://doi.org/10.1007/s10584-020-02702-9) (impact factor = 4.2)
- 2020 "Highly Decentralized Solar Geoengineering," (as equal co-author, with Gernot Wagner) *Environmental Politics* 29(5): 917-933. DOI: [10.1080/09644016.2019.1648169](https://doi.org/10.1080/09644016.2019.1648169) (impact factor = 3.8; published online ahead of print in 2019; earlier draft published as "Decentralized Nonstate Environmental Intervention: The Case of Solar Geoengineering," a Harvard Kennedy School Belfer Center for Science and International Affairs Discussion Paper)
- 2019 "An Economic Analysis of International Environmental Rights," *International Environmental Agreements: Politics, Law and Economics* 19: 557-575. DOI: [10.1007/s10784-019-09454-7](https://doi.org/10.1007/s10784-019-09454-7) (impact factor = 2.3)
- 2019 "Solar Geoengineering to Reduce Climate Change: A Review of Governance Proposals," *Proceedings of the Royal Society A* 475(2229): 20190255, 33 pp. DOI: [10.1098/rspa.2019.0255](https://doi.org/10.1098/rspa.2019.0255) (impact factor = 2.8)

- 2018 "The Politics and Governance of Negative Emissions Technologies," *Global Sustainability* 1:e12, 3 pp. [DOI:10.1017/sus.2018.13](https://doi.org/10.1017/sus.2018.13) (opening essay for a special collection)
- 2018 "Solar Geoengineering and Democracy," (as co-lead author, with Joshua B. Horton, Holly Jean Buck, Daniel Callies, Stefan Schäfer, David W. Keith, and Steve Rayner) *Global Environmental Politics* 18(3): 5-24. [DOI:10.1162/glep\\_a\\_00466](https://doi.org/10.1162/glep_a_00466) (impact factor = 3.4)
- 2018 "Intellectual Property Policies for Solar Geoengineering," (as equal co-author, with Jorge L. Contreras and Joshua D. Sarnoff) *Wiley Interdisciplinary Reviews: Climate Change* 9(2): e512, 6 pp. [DOI:10.1002/wcc.512](https://doi.org/10.1002/wcc.512) (impact factor = 7.1)
- 2017 "Solar Climate Engineering and Intellectual Property: Toward a Research Commons," (as equal co-author, with Jorge L. Contreras and Joshua D. Sarnoff) *Minnesota Journal of Law, Science & Technology* 18(1): 1-110. <https://scholarship.law.umn.edu/mjlst/vol18/iss1/1/>
- 2017 Review of *Climate Justice and Geoengineering: Ethics and Policy in the Atmospheric Anthropocene*, *Climate Law* 7(1): 53-57. [DOI:10.1163/18786561-00701002](https://doi.org/10.1163/18786561-00701002)
- 2016 "Five Solar Geoengineering Tropes That Have Outstayed Their Welcome," (as lead author, with Andy Parker and Peter Irvine) *Earth's Future* 4(12): 562-568. [DOI:10.1002/2016EF000416](https://doi.org/10.1002/2016EF000416) (impact factor = 5.8)
- 2016 "The International Politics of Climate Engineering: A Review and Prospectus for International Relations," (as equal co-author, with Joshua B. Horton) *International Studies Review* 18(3): 438-461. [DOI:10.1093/isr/viv013](https://doi.org/10.1093/isr/viv013) (impact factor = 2.1)
- 2016 "Special Issue on Regulating Climate Engineering in the European Union: Opening Editorial," *European Journal of Risk Regulation* 7(1): 58-59. [DOI:10.1017/S1867299X00005390](https://doi.org/10.1017/S1867299X00005390)
- 2015 "An Economic Analysis of Liability and Compensation for Harm from Large-Scale Solar Climate Engineering Field Research," *Climate Law* 5(2-4): 182-209. [DOI:10.1163/18786561-00504004](https://doi.org/10.1163/18786561-00504004) (reprinted in *Environmental Law and Economics*, Klaus Mathis (Ed.), *Economic Analysis of Law in European Legal Scholarship* series (Springer, 2017))
- 2015 "A Critical Examination of the Climate Engineering Moral Hazard and Risk Compensation Concern," *The Anthropocene Review* 2(2): 174-191. [DOI:10.1177/2053019614554304](https://doi.org/10.1177/2053019614554304) (impact factor = 3.1; published online ahead of print in 2014)
- 2014 "The International Regulation of Climate Engineering: Lessons from Nuclear Power," *Journal of Environmental Law* 26(2): 269-289. [DOI:10.1093/jel/equ006](https://doi.org/10.1093/jel/equ006) (impact factor = 2.3)
- 2014 "Climate Engineering Field Research: The Favorable Setting of International Environmental Law," *Washington and Lee Journal of Energy, Climate, and the Environment* 5(2): 417-485. <https://scholarlycommons.law.wlu.edu/jece/vol5/iss2/6/>

- 2014 "Response to Svoboda and Irvine (Ethical and Technical Challenges in Compensating for Harm Due to Solar Radiation Management Geoengineering)," *Ethics, Policy & Environment* 17(2): 183-185. DOI:10.1080/21550085.2014.926080
- 2013 "Climate Engineering Research: A Precautionary Response to Climate Change?" (as lead author, with Floor Fleurke) *Carbon and Climate Law Review* 7(2): 101-107. DOI:10.21552/CCLR/2013/2/251 (reprinted in *Environmental Law and Climate Change*, Jonathan Verschuuren (Ed.), *The International Library of Law and the Environment* series (Edward Elgar, 2015))
- 2011 "The Regulation of Climate Engineering," *Law, Innovation and Technology* 3(1): 113-136. DOI:10.5235/175799611796399821 (reprinted in *Environmental Law and Climate Change*, Jonathan Verschuuren (Ed.), *The International Library of Law and the Environment* series (Edward Elgar, 2015))
- 1998 "Carbon Isotopes in Aquatic Plants, Long Valley Caldera, California as Records of Past Hydrothermal and Magmatic Activity," (with John B. Reid et al) *Geophysical Research Letters* 25: 2853-2856

#### Book chapters

- 2022 "Emerging Technologies in Biodiversity Governance: Gaps and Opportunities for Action," (with Florian Rabitz and Elsa Tsioumani) in *Transforming Biodiversity Governance*, Ingrid Visseren-Hamakers and Marcel Kok (Eds.) (Cambridge University Press) 137-154 DOI:10.1017/9781108856348.008
- 2021 "Solar Geoengineering Could Be Consistent with International Law," in *Debating Climate Law*, Benoit Mayer and Alexander Zahar (Eds.) (Cambridge University Press) 257-273. DOI:10.1017/9781108879064.020
- 2020 "Elements and Steps for Global Governance," in *International Governance of Climate Engineering*, Marie-Valentine Florin (Ed.), commissioned by Federal Office for the Environment, Switzerland (International Risk Governance Center) 94-110. DOI:10.5075/epfl-irgc-277726
- 2018 "The International Legal Framework for Climate Engineering," in *Geoengineering our Climate? Ethics, Politics and Governance*, Jason Blackstock and Sean Low (Eds.) (Routledge) 125-136. DOI:10.4324/9780203485262
- 2018 "Why the UNFCCC and CBD Should Refrain from Regulating SRM," in *Geoengineering our Climate? Ethics, Politics and Governance*, Jason Blackstock and Sean Low (Eds.) (Routledge) 137-141. DOI:10.4324/9780203485262
- 2018 "International Law," in *Climate Engineering and the Law: Regulation and Liability for Solar Radiation Management and Carbon Dioxide Removal*, Tracy Hester and Michael B. Gerrard (Eds.) (Cambridge University Press) 57-153. DOI:10.1017/9781316661864.003
- 2018 "Governing Experimental Responses," in *Governing Climate Change: Polycentricity in Action?*, Andrew Jordan, Dave Huitema, Harro van Asselt, and Johanna Forster (Eds.) (Cambridge University Press) 285-302. DOI:10.1017/9781108284646.017

- 2017 "Climate Engineering, Law, and Regulation," in *The Oxford Handbook of Technology, Law, and Regulation*, Roger Brownsword, Eloise Scotford, and Karen Yeung (Eds.) (Oxford University Press) 799-822.  
[DOI:10.1093/oxfordhb/9780199680832.013.71](https://doi.org/10.1093/oxfordhb/9780199680832.013.71)
- 2016 "Climate Engineering and International Law," in *Climate Change Law*, Daniel Farber and Marjan Peeters (Eds.), *Encyclopedia of Environmental Law*, Michael Faure (Series ed.) (Edward Elgar) 178-188.  
[DOI:10.4337/9781783477616.1.15](https://doi.org/10.4337/9781783477616.1.15)
- Other**
- 2010-present Maintain Twitter account on environmental, climate change, and technology policy
- 2018-2021 posts to blogs *Legal Planet*, of the University of California, Los Angeles and Berkeley Schools of Law, and [that of Harvard's Solar Geoengineering Research Program](#)
- 2013-2021 Media coverage in *China Dialogue*, *The Hill*, *Geographical*, *Fortune*, *Vice*, *Clean Energy Wire*, *The Indian Express*, *Neue Zürcher Zeitung*, *Vox*, *CBC News*, *Huffington Post*, *Medium*, *MIT Technology Review*, *Elsevier Juist*, *Quest (NL)*, *SciDev.Net*, *Yale Daily News*
- 2021 "Genetically Modifying Wild Species: Could We? Should We?," *Trends* (the electronic newsletter of the Section of Environment, Energy, and Resources of the American Bar Association)  
[https://www.americanbar.org/groups/environment\\_energy\\_resources/publications/trends/2020-2021/may-june-2021/genetically-modifying-wild-species/](https://www.americanbar.org/groups/environment_energy_resources/publications/trends/2020-2021/may-june-2021/genetically-modifying-wild-species/)
- 2019 "Geoengineering: The Need for Governance," (as contributing author), Carnegie Climate Geoengineering Governance Initiative report.  
<https://www.c2q2.net/the-need-for-governance/>
- 2019 "Is There Nothing New under the Sun? Analogs for the Governance of Solar Geoengineering," in *Governance of the Deployment of Solar Geoengineering*, The Harvard Project on Climate Agreements, Robert Stavins and Robert Stowe (Eds.).  
<https://www.belfercenter.org/publication/governance-deployment-solar-geoengineering>
- 2017 Invited letter in forum "Are Cops on the Science Beat?" 34 *Issues in Science and Technology*. <https://issues.org/forum-36/>
- 2017 "The Inchoate Politics of Solar Geoengineering Research," in *Report on the Forum on U.S. Solar Geoengineering Research*, Elizabeth Burns, David Keith, Edward Parson, and Gernot Wagner (Eds.), Harvard's Solar Geoengineering Research Program.  
<https://geoengineering.environment.harvard.edu/publications/report-forum-us-solar-geoengineering-research>
- 2016 "A response to Wil Burns: Common Misunderstandings About SRM Geoengineering," (with Andy Parker and Peter Irvine), Forum for Climate Engineering Assessment Commentary.  
<http://ceassessment.org/wp-content/uploads/2016/11/1b.-A-response-to-Wil-Burns-Common-misunderstandings-about-SRM-geoengineering-1-1.pdf>

2000 "Water Resources Development in Santa Clara Valley, California: Insights into the Human-Hydrologic Relationship," (with T.N. Narasimhan) Lawrence Berkeley National Laboratory white paper 155 pp.

#### **Citation metrics (per Google Scholar)**

Citations 818

h-index 16

i10-index 21

## **PRESENTATIONS**

2021 Seminar "Does Gene Drive Technology Raise Exceptional Ethical Issues," GeneConvene Global Collaborative (invited; online)

2021 Panel "Law and Policy Dimensions of Climate Repair," Climate Law and Governance Day, UNFCCC Conference of Parties (invited; online)

2021 Expert workshop: "Ensuring the Sustainability of Emerging Technology," International Risk Governance Center (invited; online)

2021 Climate Engineering in Context (online)

2021 Sustainability Dialogue: "Desirable Climate Futures? The Geoengineering Dilemma" Utrecht University (invited; online)

2021 Seminar "Why Should Public Participation and Engagement Precede Decision-Making in Science and Technology?" European Consortium for Political Research, Environmental Politics Standing Group (online)

2020 Seminar "Engineered Gene Drives: Regulatory and Policy Considerations," GeneConvene Global Collaborative (invited; online)

2020 Presentation "Managing Climate Risks through Solar Geoengineering: Opportunities and Challenges," Center on Risk in Science & Society, Duke University (invited sole speaker; online)

2020 Earth System Governance virtual forum (online)

2020 Workshop "Solar Radiation Management Dialogue," Resources for the Future, Washington, DC (invited; online)

2020 Workshop "Community Climate Intervention Strategies," National Center For Atmospheric Research and University Corporation for Atmospheric Research, Boulder, CO, USA (invited; online)

2020 Panel "Introduction to the Governance of Solar Radiation Modification," Carnegie Climate Governance Initiative (invited; online)

2020 Workshop "Climate Geoengineering Scenario-Building Virtual Workshop," RAND Corporation, Santa Monica, CA, USA and International Institute for Applied Systems Analysis, Laxenburg, Austria (invited; online)

2020 Workshop on international governance of climate engineering, International Risk Governance Center, Lausanne, Switzerland (invited; online)

2019 Utrecht University, Earth System Governance network

2019	The Institute for Advanced Sustainability Studies, Potsdam, Germany
2019	University of California, Los Angeles, School of Law, CA, USA
2019	University of California, Santa Cruz, Department of Environmental Studies, CA, USA
2019	Harvard University, Kennedy School of Government, Cambridge, MA, USA
2019	Arizona State University and the Forum for Climate Engineering Assessment, Washington, DC, USA
2019	Global Development Network Conference, Bonn, Germany (invited plenary presentation)
2019	European Consortium for Political Research General Conference, University of Wrocław, Wrocław, Poland (one presentation, one session organization and moderation)
2019	European Environmental Law Forum Annual Conference, Utrecht University, Utrecht, The Netherlands
2019	International Council of Academies of Engineering and Technological Sciences, Stockholm, Sweden (invited plenary presentation)
2019	Conference on the Governance of Emerging Technologies and Science, Arizona State University, Phoenix, AZ, USA
2019	European Society of International Law Interest Groups on International Environmental Law and International Bio Law Research Forum, University of Göttingen, Göttingen, Germany
2019	Scenarios Forum, University of Denver, Denver, CO, USA
2018	Earth System Governance, Annual conference, Utrecht University, Utrecht, The Netherlands (one presentation, organizer and moderation of two sessions)
2018	Governance of the Deployment of Solar Geoengineering, Research Workshop Conducted by the Harvard Project on Climate Agreements, Harvard University, Cambridge, MA, USA (invited)
2018	Society for Environmental Law and Economics, Annual meeting, University of Notre Dame, Chicago, IL, USA
2018	International Conference on Negative CO <sub>2</sub> Emissions, Chalmers University of Technology, Gothenburg, Sweden
2017	Ius Commune Research School, Annual conference, Utrecht University, Utrecht, The Netherlands
2017	Keynote presenter, Climate Engineering Regulation and Liability Workshop, Deutsche Forschungsgemeinschaft Priority Programme "Climate Engineering: Risks, Challenges, Opportunities?", University of Kiel, Kiel, Germany (invited)
2017	Climate Engineering Conference: Critical Global Discussions, Berlin, Germany (one presentation, one session organization and moderation)



- 2017 Annual Research Roundtable on Global Climate Change Governance: Geoengineering, Northwestern University, Chicago, IL, USA
- 2017 Keynote moderator, Forum on US Solar Geoengineering Research, co-hosted by Harvard's Solar Geoengineering Research Program, Harvard University and the Emmett Institute on Climate Change and the Environment, University of California, Los Angeles, held at the Carnegie Endowment for International Peace, Washington, DC (invited)
- 2016 Standing Group on Regulatory Governance of the European Consortium for Political Research, Biennial Conference, Tilburg University, Tilburg, The Netherlands
- 2016 Law and Economics Conference, University of Lucerne, Lucerne, Switzerland
- 2015 European International Studies Association Pan-European Conference on International Relations, Giardini Naxos, Italy
- 2015 Plenary speaker, "Gaps in the Air," International Law Discussion Panel, International Law Students Association, Den Haag / The Hague, The Netherlands
- 2015 Deutsche Forschungsgemeinschaft Priority Programme Climate Engineering: Risks, Challenges, Opportunities? Research Symposium, Berlin, Germany
- 2014 Workshop on Climate Engineering Regulation and European Law, Tilburg University, Tilburg, The Netherlands
- 2014 European Consortium for Political Research General Conference, University of Glasgow, Glasgow, Scotland, The United Kingdom (one presentation, one session organization and moderation)
- 2014 Climate Engineering Conference: Critical Global Discussions, Berlin, Germany (three presentations, one session organization and moderation)
- 2014 Workshop on Climate Change Liability, University of Insubria, Como, Italy (invited)
- 2014 Responsible Innovation / Maatschappelijk Verantwoord Innoveren, Netherlands Organisation for Scientific Research / Nederlandse Organisatie voor Wetenschappelijk Onderzoek, Third Conference, Den Haag / The Hague, The Netherlands
- 2014 Pecha Kucha, Night University, Tilburg University, Tilburg, The Netherlands
- 2014 TEDx Tilburg University, Tilburg, The Netherlands
- 2013 Vereniging voor de Sociaalwetenschappelijke Bestudering van het Recht (Association for the Social Study of Law), Challenges of Risk and Technology Regulation track, Doorn, The Netherlands (invited)
- 2012 Responsible Innovation / Maatschappelijk Verantwoord Innoveren, Netherlands Organisation for Scientific Research / Nederlandse Organisatie voor Wetenschappelijk Onderzoek, Second Conference, Den Haag / The Hague, The Netherlands
- 2012 Society for the Study of Nanoscience and Emerging Technologies, Fourth Annual Conference, University of Twente, Enschede, The Netherlands

## TEACHING

- University Teaching Qualification (UTQ) / Basiskwalificatie onderwijs (BKO)
- Economic analysis of law, University of California, Los Angeles, School of Law  
evaluation: 7.4 of 9  
(sole instructor and designer of course)
- International climate law, master's course, Utrecht University  
evaluation: 8.5 of 10  
(sole instructor and re-designer of course)
- Economic analysis of environmental law, master's course, Utrecht University  
evaluation: 7.7 of 10  
(sole instructor and designer of course)
- International and European regulation of biotechnology, master's course, Tilburg University  
evaluations: 95%, 100%, 86%, 91%, 91%  
(sole instructor and re-designer of course)
- Climate law, master's course, Tilburg University  
(sole instructor and re-designer of course)
- Economic analysis of environmental law, instructor for three working groups and their moot courts, first-year bachelor's course, Utrecht University  
evaluations: 4.6, 4.6, 4.5 of 5
- Economic analysis of law, bachelor's honors course, Tilburg University  
(sole instructor and designer of course)
- Economics for lawyers, first-year bachelor's course, Tilburg University  
evaluation: 4.71 of 5  
(co-instructor, and designer of international law module)

## SUPERVISION

- Second supervisor of two PhD dissertations, Tilburg University (ended due to change of employment) and University of Amsterdam (completed)
- Primary supervision of one research masters' thesis, Tilburg University
- Primary supervision of sixteen masters' theses, Tilburg University and Utrecht University
- Second reader of nine masters' theses, Tilburg University and Utrecht University
- Supervisor of four bachelors' theses, Tilburg University
- Teaching assistant, soil science, bachelor's course, University of California, Berkeley
- Lead instructor, Sixth International Geoengineering Governance Summer School
- Occasional guest lecturer on human genetic reproductive technologies, stem cell research, genetic patents, climate change, climate engineering, etc.

## FELLOWSHIPS AND AWARDS

2017	Seed money grant, Pathways to Sustainability theme, Utrecht University
2010-2011	Fulbright Fellow, International Educational Exchange Program, U.S. Department of State
1997-2000	Science to Achieve Results Graduate Fellow, U.S. Environmental Protection Agency
1997	Hewlett Fellowship (offered but declined)
1997	Graduate Fellowship Honorable Mention, U.S. National Science Foundation
1995	Summer Research Fellow, National Institute for Global Environmental Change, Harvard University Forest and Woods Hole Research Center

## UNIVERSITY SERVICE AND OUTREACH

2021-present	Member, Advisory Committee, Governing Solar Geoengineering, Council on Foreign Relations
2019	Member, organizing committee, Sixth International Geoengineering Governance Summer School, University of California, Los Angeles
2017-2018	Research funding coordinator, School of Law, Utrecht University
2017	Member, Future Food Hub proposal writing committee within Pathways to Sustainability theme, Utrecht University
2014-2016	Research funding coordinator for sustainability and climate, Tilburg Law School
2014-2016	Member, Data Science Committee, Tilburg Law School
2014-2015	Coordinator for an international consortium with 18 participating institutions from 10 countries for an 8 million euro grant under the Horizon 2020 Research and Innovation framework programme (successfully passed the first of two stages, second stage rejected)
2014-2015	Coordinator, Environmental Law blog, Tilburg Law School
2011-2014	Organizer, Globalization and Regulation Reading Group, Tilburg Law School

## MEMBERSHIPS AND AFFILIATIONS

2019-present	Member, World Commission on Environmental Law, International Union for Conservation of Nature
2018-present	Senior Research Fellow, Earth System Governance Network
2018-present	Researcher, Transnational Environmental Law program, Ius Commune Research School
2013-present	Member, European Society of International Law
2016-2019	Associate member, Deutsche Forschungsgemeinschaft Priority Programme "Climate Engineering: Risks, Challenges, Opportunities?"

## OTHER ACADEMIC ROLES

2020-2021	Review editor, <i>Frontiers in Climate</i> , Negative Emission Technologies section
2020-2021	Review editor, <i>Frontiers in Political Science</i> , Politics of Technology section
2019-2021	Scientific coordinator, task force on new technologies, Earth System Governance Network
2018-2021	Associate editor, <i>Humanities &amp; Social Sciences Communications</i> (formerly <i>Palgrave Communications</i> )
2012-2021	Peer reviewer, inter alia <i>Anthropocene</i> ; <i>Bulletin of the American Meteorological Society</i> ; <i>Climatic Change</i> ; <i>Climate Law</i> ; <i>Climate Policy</i> ; <i>Current Opinion in Environmental Sustainability</i> ; <i>Earth System Governance</i> ; <i>Earth's Future</i> ; <i>Ecological Economics</i> ; <i>Ecology and Society</i> ; <i>Environmental Politics</i> ; <i>Environmental Pollution</i> ; <i>Environmental Research Letters</i> ; <i>Ethics, Policy &amp; Environment</i> ; <i>European Journal of Risk Regulation</i> ; <i>Frontiers in Climate</i> ; <i>Frontiers in Political Science</i> ; <i>Global Policy</i> ; <i>Global Sustainability</i> ; <i>International Environmental Agreements: Politics, Law and Economics</i> ; <i>International Studies Review</i> ; <i>Mitigation and Adaptation Strategies for Global Change</i> ; <i>Oxford Open Climate Change</i> , <i>Palgrave Communications</i> ; <i>Review of European, Comparative and International Environmental Law</i> ; <i>Science</i> ; <i>Sustainability</i> ; <i>Transnational Environmental Law</i> , <i>Weather, Climate and Society</i> ; the Centre for International Governance Innovation; the Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection; the US National Center for Atmospheric Research, and the US National Science Foundation
2020	Guest editor, special issue "Walking the Tightrope: New Technologies for Environmental Sustainability" of <i>Global Environmental Politics</i>
2018	Guest editor, special issue "The Politics and Governance of Negative Emissions Technologies," <i>Global Sustainability</i>
2017	Lead organizer, International workshop on The Politics and Governance of Negative Emissions Technologies, Innovations in Climate Governance COST Action, Utrecht University, The Netherlands
2014-2016	Participant in the "Faces of Science" public outreach program of the Royal Netherlands Academy of Arts and Sciences / Koninklijke Nederlandse Akademie van Wetenschappen
2013-2016	Book review editor, <i>Law, Innovation and Technology</i>
2016	Guest editor, special issue of four articles on climate engineering regulation and European law, <i>European Journal of Risk Regulation</i>
2015	Invited participant, three-part workshop series "Solar Radiation Management: Foresight for Governance," Institute for Advanced Sustainability Studies, Potsdam, Germany
2015	Invited participant, workshop "Assessing Global Climate Engineering Governance," Perspectives consultancy, Zurich, Switzerland
2014	Organizer, two-day workshop on Climate Engineering Regulation and European Law, Tilburg University, Tilburg, The Netherlands

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| 2014      | Invited participant, workshop “Understanding Process Mechanisms for the Governance of SRM Field Experiments,” Institute for Advanced Sustainability Studies, Potsdam, Germany        |
| 2012-2013 | Advisory board member, <i>Klimaatengineering: Hype, Hoop of Wanhoop?</i> ( <i>Climate Engineering: Hype, Hope, or Desperation?</i> ) report, The Rathenau Institute, The Netherlands |
| 2012      | Participant, Climate Engineering Summer School, University of Oxford, United Kingdom   |

## **NONACADEMIC PUBLICATIONS, PRESENTATIONS, AND MEDIA CITATIONS**

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| 2004 to 2010 | Over 100 media appearances and citations, including the BBC World Service, <i>New York Times</i> , and <i>Los Angeles Times</i>  |
| 2002 to 2010 | Roughly 30 opinion articles and essays in various American news outlets  |
| 2008         | Provided invited testimony before the Milton Marks “Little Hoover” Commission on California State Government Organization and Economy  |
| 2006         | Invited presenter, plenary panel, “California's Stem Cell Initiative: Confronting the Legal and Policy Challenges,” Boalt Hall School of Law, University of California, Berkeley |
| 2006         | Presenter, Physician Advocacy Fellows, annual meeting Institute on Medicine as a Profession  |
| 2005         | Provided invited testimony before the California Legislature’s Joint Informational Hearing on Implementation of Proposition 71   |

## **LANGUAGES**

English: Native proficiency

Dutch: C1 (effective operational proficiency)

## **NATIONALITIES**

American and Netherlands