

Daniel Edward Callies

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RESEARCH

AOS: Applied Ethics (Environmental & Biomedical), Social and Political Philosophy

AOC: Normative Ethics, Philosophy of Technology

EDUCATION

2018 Ph.D., Goethe University Frankfurt: Philosophy – *magna cum laude*
Dissertation: “Climate Engineering: A Normative Perspective”
Committee: Darrel Moellendorf (chair) and Rainer Forst

2016–17 Predoctoral Research Fellowship, Harvard University
John F. Kennedy School of Government

2012 M.A., San Diego State University: Philosophy
Thesis: “Equality, Responsibility, and Climate Policy”

2008 B.A., San Diego State University: Philosophy / Spanish
Graduated *cum laude*, Phi Beta Kappa

2006 Spanish Language Certificate, Universidad Nebrija, Madrid
Concentration in Spanish grammar, conversation, and culture

ACADEMIC EMPLOYMENT

2020– Instructor
Palomar Community College – Behavioral Sciences Department (Philosophy)

2018– Postdoctoral Scholar
University of California, San Diego – Institute for Practical Ethics

2017–18 Postdoctoral Fellow (Wissenschaftlicher Mitarbeiter)
Goethe University Frankfurt – Chair of International Political Theory

2017 Bernheim Postdoctoral Fellow in Social Responsibility
Université catholique de Louvain – Hoover Chair of Economic and Social Ethics

2013–17 Predoctoral Fellow (Wissenschaftlicher Mitarbeiter)
Goethe University Frankfurt – Excellence Cluster Normative Orders

2009–11 Teaching Assistant / Graduate Assistant
San Diego State University – Institute for Ethics and Public Affairs

PUBLICATIONS

Books

1. *Climate Engineering: A Normative Perspective*, Lexington Books (2019).

Journal Articles

9. “Justifying an Intentional Species Extinction: The Case of *Anopheles gambiae*,”
Environmental Values (forthcoming). Co-author: Yasha Rohwer.

8. “Assessing Climate Policies: Catastrophe Avoidance & the Right to Sustainable Development,” *Politics, Philosophy & Economics* (forthcoming). Co-author: Darrel Moellendorf.
7. “Bednets or Biotechnology: To Rescue Current Persons or Research for the Future?” *Fudan Journal of the Humanities and Social Sciences* (forthcoming).
6. “The Ethical Landscape of Gene Drive Research,” *Bioethics* (2019).
5. “The Slippery Slope Argument against Geoengineering Research,” *Journal of Applied Philosophy* (2019).
4. “The Potential for Climate Engineering with Stratospheric Sulfate Aerosol Injections to Reduce Climate Injustice,” *Journal of Global Ethics* (2018). Co-authors: Toby Svoboda, Peter Irvine, Masa Sugiyama.
3. “Institutional Legitimacy and Geoengineering Governance,” *Ethics, Policy, & Environment* (2018).
2. “Solar Geoengineering and Democracy,” *Global Environmental Politics* (2018). Co-authors: Joshua Horton, Jesse Reynolds, Holly Jean Buck, Stefan Schaefer, David Keith, Steve Rayner.
1. “Brain Drain, Contracts, and Moral Obligation,” *Moral Philosophy and Politics* (2016).

Book Chapters

2. “Climate Engineering,” in Pellegrino & Di Paola (eds.) *Handbook of the Philosophy of Climate Change*, Springer (in progress).
1. “Gene Drive Ethics,” for Rebeca Carballar-Lejarazú (ed.) *Mosquito Gene Drives and the Malaria Eradication Agenda*, Jenny Stanford Publishing (in progress).

Articles under Review

1. “The Risks and Benefits of COVID Challenge Trials.” Co-authors: Athmeya Jayaram & Jacob Sparks.

Works in Progress (drafts available upon request)

2. “On the Conceptual Plausibility of Intergenerational Legitimacy.”
1. “Legitimacy Assessments: Identifying, Specifying, and Balancing Normative Criteria.”

Book Reviews

3. Review of Toby Svoboda’s *The Ethics of Climate Engineering, Ethics, Policy, & Environment* (2019).
2. Review of Aaron Maltais and Catriona McKinnon’s *The Ethics of Climate Governance, in Environmental Ethics* (2017).
1. Review of David Keith’s *A Case for Climate Engineering* & Mike Hulme’s *Can Science Fix Climate Change?* in *Global Justice: Theory, Practice, Rhetoric* (2015).

Public Writing (see my webpage for links)

9. “Gene Drive Policy” *Agenda for International Development* (2019).
8. “Researching at the Top of a Slippery Slope?” *Forum for Climate Engineering Assessment* (2019).

7. “How to Legitimately Govern Geoengineering,” *Carnegie Climate Geoengineering Governance Initiative* (2019).
6. “1.5°C: What’s the Big Deal?” *Agenda for International Development* (2019).
5. “Future Climate Policy and the Right to Sustainable Development,” *Agenda for International Development* (2018).
4. “Technologies for a Stable Future Climate,” *Agenda for International Development* (2017). Co-author: Dominic Lenzi.
3. “US Climate Policy under President Trump: Why the Sky is Dark but not Falling,” *Agenda for International Development* (2016).
2. “Combating Climate Change with Geoengineering,” *Agenda for International Development* (2016).
1. “Adaptation after the Paris Negotiations: Who Ought to Foot the Bill?” *Agenda for International Development* (2015).

Podcasts (see my webpage for links)

2. “Climate Change: The Alternatives to Mitigation and Adaptation” *Agenda for International Development* (2020).
1. “El Acuerdo de Paris,” Interview (in Spanish) with Paula Campos of Radio Universidad Chile (2016).

TEACHING

As Lead Instructor at Palomar College

- Introduction to Ethics (Online Undergraduate Course): Spring, 2021 (*planned*).
- Introduction to Ethics (Online Undergraduate Course): Fall, 2020.
- Critical Thinking (Hybrid Undergraduate Course): Spring, 2020.

As Lead Instructor at Goethe University Frankfurt

- Biomedical Ethics (Undergraduate Course): Summer, 2018.
- Environmental Ethics (Undergraduate Course): Winter, 2017.
- American Political Thought (Graduate Course): Summer, 2016.
- Environmental Ethics (Undergraduate Course): Winter, 2015.
- Legitimacy and Justice (Undergraduate Course): Summer, 2015.

As Teaching Assistant at San Diego State University

- Morality of War & Peace, (Online Undergraduate Course): Summer, 2011.
- Critical Thinking and Composition (Undergraduate Course): Fall, 2010.
- Morality of War & Peace (Online Undergraduate Course): Summer, 2010.

As Guest Lecturer

- Risks and Benefits of Geoengineering (Graduate Course – Duke University): Fall, 2019.
- Environmental Ethics (Undergraduate Course – UC San Diego): Spring, 2019.
- Environmental Ethics (Undergraduate Course – Goethe University): Winter, 2014.

Climate Change Justice (Undergraduate Course – Goethe University): Summer, 2014.

CEIP Martinez Parras (Public School in Spain)

Multiple-Subject ESL Courses (Primary School and High School Courses): 2008–2009.

PRESENTATIONS

Conference / Workshop Presentations (Refereed)

“Bednets or Biotechnology: Rescuing Current Persons or Researching for the Future?” Global Justice Conference, Fudan University, Shanghai (June, 2019).

“Bednets or Biotechnology: Rescuing Current Persons or Researching for the Future?” American Philosophical Association, Vancouver (April, 2019).

“Morally Assessing Alternative Climate Policies,” Western Political Science Association, San Diego (April, 2019) – Presented by Co-Author: Darrel Moellendorf.

“Morally Assessing Alternative Climate Policies,” European Consortium for Political Research General Conference, Hamburg (August, 2018).

“Procedural Justice and Geoengineering,” International Society for Environmental Ethics, Anchorage (July, 2018).

“Climate Engineering and Playing God,” Warwick Graduate Conference on Political and Legal Theory, University of Warwick, England (February, 2016).

“Moral Hazards, Slippery Slopes, and Playing God: Assessing Three Arguments against Geoengineering,” International Society for Environmental Ethics, Kiel, Germany (July, 2015).

“Intergenerational Legitimacy,” Warwick Graduate Conference on Political and Legal Theory, University of Warwick, England (January, 2015).

“Is It *Really* Not My Fault? Climate Change and Individual Obligations,” University of Graz, Austria (August, 2014).

“Equality, Responsibility, and Climate Policy,” Student Research Symposium, San Diego State University (September, 2010).

Invited Presentations

“Assessing Climate Policies: Catastrophe Avoidance and the Right to Sustainable Development,” California State University, Long Beach’s “Virtual Earth Week” (April, 2020).

“The Ethics of Geoengineering,” Solar Radiation Management Governance Initiative Workshop, University of Buenos Aires, Argentina (November, 2019).

“Intentionally Eradicating a Species,” Gene Drive Working Group, UCSD (November, 2019).

“Bednets or Biotechnology: Rescuing Current Persons or Researching for the Future?” Gene Drive Conference, University of California, San Diego (May, 2019).

“Morally Assessing Alternative Climate Policies,” Morality and Policy of Negative Emissions, Senckenberg Natural History Museum, Frankfurt, Germany (May, 2018).

“Distributive Justice and Geoengineering,” Graz - Louvain Workshop, Université catholique de Louvain (November, 2017).

“Institutional Legitimacy and Geoengineering Governance,” Geoengineering and Legitimacy Conference, University of Washington, Seattle (November, 2017).

- “Procedural Justice and Geoengineering,” Secondary Climate Injustices Workshop, University of Warwick, England (September, 2017).
- “Equity, Climate Policy, and Geoengineering,” Harvard Political Theory Workshop, Harvard University (November, 2016).
- “Institutional Legitimacy and Geoengineering Governance,” Science, Technology, and Public Policy Workshop, Harvard University (November, 2016).
- “Institutional Legitimacy and Geoengineering Governance,” Climate Scholars’ Conference, University of Reading, England (November, 2016).
- “Climate Engineering: Disrespecting Nature?” ISOE: Institute for Social-Ecological Research, Frankfurt, Germany (June, 2016).
- “Climate Engineering and Playing God,” Climate Ethics and Economics Workshop, Goethe University Frankfurt (March, 2016).
- “Moral Hazards, Slippery Slopes, and Playing God: Assessing Three Arguments against Geoengineering,” Goethe University Frankfurt (October, 2015).
- “Moral Hazards, Slippery Slopes, and Playing God: Assessing Three Arguments against Geoengineering,” San Diego State University (September, 2015).
- “Intergenerational Legitimacy,” Justitia Amplificata International Legitimacy Conference, Bad Homburg, Germany (July, 2015).
- “Respect for Nature: Should we Research Climate Engineering?” Cluster of Excellence CliSAP, Hamburg, Germany (January, 2015).
- “Intentionally Manipulating the Climate: The Ethics and Governance of Geoengineering,” Internationales Graduiertenprogramm Kolloquium, Goethe University Frankfurt (December, 2014).
- “Equality, Responsibility, and Climate Policy,” Stephen L. Weber Graduate Conference in Ethics, San Diego State University (May, 2012).

Commentaries

- “Equality and Efficiency,” Workshop on Chris Armstrong’s *Global Justice and Natural Resources*, Goethe University Frankfurt (January, 2016).
- “Contracts and Moral Obligation,” Debating Brain Drain with Gillian Brock and Michael Blake, Goethe University Frankfurt (June, 2015).
- “Cosmopolitanism and the Tyranny of the Majority,” Workshop on Leif Wenar’s *Blood Oil: Tyrants, Violence and the Rules that Run the World*, Goethe University Frankfurt (April, 2014).

CONFERENCES / WORKSHOPS (CO-) ORGANIZED

- Climate Change Technologies: Social and Ethical Implications, University of California, San Diego (March, 2020).
- The Ethics and Social Implications of Gene Drive, University of California, San Diego (May, 2019).
- The Ethics and Politics of Climate Change (session), European Consortium for Political Research, Hamburg, Germany (August, 2018).
- The Morality and Policy of Negative Emissions, Senckenberg Natural History Museum, Frankfurt, Germany (May, 2018).

The Ethics and Economics of Climate Change, Goethe University Frankfurt & Duke University (March, 2016).

Overshooting Two Degrees: Moral and Policy Considerations, Goethe University Frankfurt (October, 2015).

Geoengineering Workshop, Senckenberg Museum, Frankfurt, Germany (July, 2014).

Stephen L. Weber Graduate Conference in Ethics (Co-founder), San Diego State University (May, 2011 & 2012).

MEMBERSHIPS & AFFILIATIONS

2019– Philosophers for Sustainability

2016– American Philosophical Association

2016– International Society for Environmental Ethics

2016– Association for Political Theory

2016– European Consortium for Political Research

2015– Agenda for International Development (Head of Energy and Environment cluster)

2010–13 Amnesty International–SDSU Chapter (Co-Founder & Vice-President)

2007– Phi Beta Kappa Honor Society

2007– Golden Key Honor Society

PROFESSIONAL DEVELOPMENT

Online Teacher Training: Completed “Palomar Online Education Training (POET)” course.

ACADEMIC SERVICE

Supervisor for: Marco Raguseo (MA Thesis), “Intergenerational Justice and Climate Change: An Analysis of Derek Parfit’s Non-Identity Problem”; Nicolas Witschen (BA Thesis), “Respect for Nature.”

Referee for: *Journal of Applied Philosophy; Ethics, Policy & Environment; Global Politics; Moral Philosophy & Politics; Internet Encyclopedia of Philosophy; Developing World Bioethics; WIREs Climate Change; Kriterion Journal of Philosophy.*

Coach for: UC San Diego Collegiate Ethics Bowl Team; High Tech High School Ethics Bowl Team.

LANGUAGE PROFICIENCY

English: Native speaker

Spanish: Reading, writing, and conversational fluency

German: Reading, writing, and conversational fluency

REFERENCES

Prof. Darrel Moellendorf

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Prof. Benjamin Hale

Associate Professor of Philosophy and
Environmental Studies
University of Colorado at Boulder
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Prof. Rainer Forst

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