

Second Conference on Attribution Science and Climate Law

June 10-11, 2026 • Columbia University

Full Agenda

Wednesday, June 10

9:00 am **Welcome and Opening Remarks**

9:10 am **Keynote Presentations and Expert Roundtable**

- **Dr. Cynthia Rosenzweig** (NASA Goddard Institute; Columbia Climate School), "Detection is Eas(ier), Attribution is Hard(er)"
- **Michael Gerrard** (Sabin Center for Climate Change Law; Columbia Law School), "The Role of Attribution Science in Climate Litigation"
- **Sheila Foster** (Columbia Climate School; Columbia Law School), "The Translation Gap: From Hazard to Attribution"

Moderator: **Dr. Radley Horton** (Columbia Climate School)

10:25 am **Break**

10:40 am **Status of Research and Key Insights from the Field**

- **Dr. Joyce Kimutai** (Imperial College London), "How Climate Change Affects Societies and How We Know: Extreme Heat in Ten Years of the Paris Agreement"
- **Dr. Kevin Reed** (Stony Brook University), "Extreme Event Storylines: From quantifying the past to informing the future"
- **Dr. Kristie Ebi** (University of Washington), "Health Detection and Attribution Studies Making Advances"
- **Dr. Justin Mankin** (Dartmouth College), "Applications, Opportunities, and Challenges with End-to-End Climate Attribution"

Moderator: **Dr. Andrew Pershing** (Climate Central)

12:10 pm **Lunch**

1:00 pm From Evidence to Action: Attribution Science, Law and Policy

- **Dr. Dina Lupin** (University of Southampton), “From the Hague to Arusha to Durban - The Need for a Human Rights Approach to Science in the Courtroom”
- **Maxine Burkett** (Stanford University), “Loss and Damage and Climate Reparations”
- **Dr. Ivano Alogna** (British Institute of International and Comparative Law), “Corporate Climate Litigation a Changing Evidentiary Landscape: Recent Developments and the Role of Attribution Science”
- **Jessica Wentz** (Sabin Center for Climate Change Law), “Climate Attribution Science and Government Decision Making”

Moderator: **Michael Burger** (Sabin Center for Climate Change Law)

2:30 pm Break

2:45 pm Breakout Sessions – Frontiers in Attribution Science

Extreme Event and Impact Attribution – Auditorium

- **Dr. Kai Kornhuber** (International Institute for Applied Systems Analysis), “Attributing Economic Impacts from Heat and Drought-Induced Crop Losses to Carbon Emitters”
- **Dr. Wim Thiery** (Vrije Universiteit Brussel), "Will You Live an Unprecedented Life?" **[virtual]**
- **Dr. Katja Frieler** (Potsdam Institute for Climate Impact Research), “Climate Impact Attribution within ISIMIP - Can we build a monitoring system for the impacts of climate already occurring today?” **[virtual]**
- **Dr. Alexander Gottlieb** (Dartmouth College), "Continuous Global Storylines for Extreme Event and Impact Attribution"

Moderator: **Dr. Jason Smerdon** (Columbia Climate School)

Source and End-to-End Attribution – Room 315

- **Dr. Carly Phillips** (Union of Concerned Scientists), “Attributing Climate Change to Its Sources: Methods, Milestones, and the Next Steps”
- **Dr. Emily Williams** (University of California, Merced), “Carbon Emissions Exacerbating the Western US Water Crisis”
- **Dr. Paula Romanovska** (Potsdam Institute for Climate Impact Research), "Source Attribution - From National Emissions to Global Loss in Working Hours Due to Heat" **[virtual]**
- **Gillian Moon** (University of New South Wales), "International Standard time? A Science-Based Framework to Quantify Fossil Fuel Harms” **[virtual]**

Moderator: **Dr. Kevin Schwarzwald** (Columbia Climate School)

4:00 pm **Break**

4:15 pm **Breakout Sessions – Frontiers in Attribution Science (continued)**

Health Impacts – Auditorium

- **Dr. Robbie Parks** (Columbia Mailman School of Public Health), “Climate Change-attributable Tropical Cyclone Exposure and Human Health Impacts”
- **Dr. Sabine Undorf** (Potsdam Institute for Climate Impact Research), “Attributing Climate Change Impacts on Child Stunting in India via Agricultural Production”
- **Dr. Jason Rohr** (University of Notre Dame), “Climate Change is Already Reshaping Schistosomiasis Transmission Across Africa”
- **Monique van Cauwenberghe** (University of Groningen), “Attributing Mental Health Impacts of Climate Change: Lessons from Climate Litigation”

Moderator: **Dr. Felipe Colón-Gonzalez** (Wellcome Trust)

Quantifying Climate Damages – Room 315

- **Dr. Ilan Noy** (Victoria University of Wellington), “Is Extreme Event Impact attribution (EEIA) Useful (for Litigation)?”
- **Dr. Mireia Ginesta** (University of Oxford), "Economic Damages Attributable to Climate Change in New England from 2011 Storm Irene"
- **Dr. Shouro Dasgupta** (Euro-Mediterranean Center on Climate Change), "Spatial and Temporal Attribution of Changes in Food Security to Climate Change" [virtual]
- **Dr. Christopher Callahan** (Indiana University), "On the Proportionality of Climate Damages to Emissions from Fossil Fuel Producers"

Moderator: **Cynthia Hanawalt** (Sabin Center for Climate Change Law)

5:30 pm **Adjourn and Reception (5:30 – 7:00 pm)**

Thursday, June 11

9:00 am **Opening Remarks for Day 2**

9:10 am **Defending Science in the Current Political Climate**

- **Rachel Rothschild** (University of Michigan Law School), “Environmental Expertise and the Courts” [virtual]
- **Dr. Andrew Dessler** (Texas A&M), “The Alternate Reality of Climate Skepticism”
- **Dr. Delta Merner** (Union of Concerned Scientists), “Defending, Uplifting, and Advancing Science”
- **Lauren Kurtz** (Climate Science Legal Defense Fund), “Challenges and Best Practices for Scientific Experts”

Moderator: **Romany Webb** (Sabin Center for Climate Change Law)

10:40 am **Break**

11:00 am **Breakout Sessions – Legal Applications**

Harm, Causation, and Responsibility in Climate Litigation – Auditorium

- **Petra Minnerop** (Durham University), “Climate Causality: From Causation to Attribution”
- **Emily Boyd** (Lund University), "See it, Feel it, Speak it: When Suffering Counts - Evidence, Narrative, and the Legal Visibility of Non-Economic Loss in Climate Litigation”
- **Dr. Benjamin Franta** (University of Oxford), “The Role of Historical Culpability in Climate Attribution”

Moderator: **Dr. Kristina Dahl** (Climate Central)

Climate Impacts, Disaster Risk, and Foreseeable Harm – Room 315

- **Dr. Rupert Stuart-Smith** (Oxford Sustainable Law Programme), “Greenhouse Gas Emitters’ Climate Damage Legacies” [virtual]
- **Dr. Ju-Ching (Wendy) Huang** (National Cheng Kung University), “When Exceedance Becomes Foreseeable: Attribution Science, Residual Flood Risk, and the Legal Vulnerability of Flood Adaptation Governance”
- **Dr. Alessandra Lehmen** (CLGI Cambridge/UCS Brazil), “Attribution Science in Climate Disaster Litigation”

Moderator: **Dr. Adam Sobel** (Lamont-Doherty Earth Observatory, Columbia University)

12:00 pm **Lunch and Poster Session**

* See list of posters below

1:20 pm Breakout Sessions – Legal Applications (continued)

Climate Displacement – Auditorium

- **Dr. Gabriela Nagle Alverio** (Duke University), "Modeling Climate Mobility"
- **Yumna Kamel** (Earth Refuge) and **Bella Mosselmans** (Global Strategic Litigation Council), "From Attribution to Accountability: Legal Strategies for Climate (Im)mobility"
- **Gamal Basha** (Qore Legal), "Climate-Attributed Asylum and Human Rights Claims: Practical Lessons"
- **Dr. Katarina Velkov** (University of Padova), "From Probabilistic Harm to Shared Obligation: Attribution Science and the Legal Architecture of Climate-Induced Displacement"

Moderator: **Lauren Grant** (Beyond Climate Collaborative)

Comparative Law Perspectives – Room 315

- **Rafaela Santos Martins Da Rosa** (Federal Judge, Brazil), "Will Attribution Studies Be Decisive in Defining the Legal Fate of Brazil's New Federal Environmental Licensing Law?"
- **Mariana Cirne** (Brazilian Institute of Education, Development, and Research), "Lessons from Brazilian Post-Decision Contextualization Hearings: Institutional Design and the Use of Attribution Evidence in Climate Litigation"
- **Jie Liu** (American University Washington College of Law), "The Admissibility of Climate Attribution Science in Climate Change Litigation in China"
- **Dr. Omondi Owino** (Judge, Environment and Land Court of Kenya), "Attribution Evidence and Corporate Climate Liability in Africa: Legal Challenges and Emerging Jurisprudence"

Moderator: **Dr. Maria Antonia Tigre** (Sabin Center for Climate Change Law)

2:30 pm Break

2:45 pm Afternoon Plenary – Reflections and Future Directions

- **Douglas Kysar** (Yale Law School)
- **Dr. Kristina Dahl** (Climate Central)
- **Dr. Joyce Kimutai** (Imperial College London)
- **Dr. Kristie Ebi** (University of Washington)
- **Sheila Foster** (Columbia Climate School)
- **Dr. Justin Mankin** (Dartmouth College)

Moderator: **Radley Horton** (Columbia Climate School)

4:00 pm Adjourn

Poster Session

- **Amina Bold** (DPhil candidate, University of Oxford), "From Attribution to Adjudication: How Courts Construct Climate Harm and the Public Interest"
- **Emily Boyd** (Lund University), "Climate change litigation and intersectionality: what role for attribution science"
- **Dr. John Doherty** (Environmental Law Institute), "Detection and attribution: A stocktake of the field and its application to climate governance"
- **Nadine Grimm-Pamp** (Potsdam Institute for Climate Impact Research), "Making Climate Impact Attribution Actionable: Insights from decision-makers and practitioners on the usefulness of climate change health impact attribution studies"
- **Robin Happel** (World's Youth for Climate Justice), "Attribution Science & Loss of Chance Doctrine"
- **Dr. Huanping Huang** (Louisiana State University), "Anthropogenic Influence on the Category 5 Hurricane Milton (2024)"
- **Andrew Kruczkiewicz** (Columbia University), "The Human and Social Impacts of Climate Overshoot"
- **Dr. Delta Merner & Dr. Marc Alessi** (Union of Concerned Scientists), "Using Artificial Intelligence to Create a Gridded Climate Extremes Dataset"
- **Nicholas Petkov** (Grantham Research Institute, London School of Economics), "Attribution science, causal chains and the construction of narratives in 'Polluter pays' climate litigation"
- **Paul Rink** (Seton Hall Law School), "The Limits of Temperature Targets for Ensuring Climate Rights"
- **João Tadeu Alves dos Santos** (PhD candidate, University of São Paulo), "Climate-Related Urban Power Outages: Attribution of Social Impacts in São Paulo's Electricity System"
- **Jared Trok** (PhD candidate, Stanford University), "Extreme event attribution for fractional shares of global emissions"
- **Olivia Vashti Ayim** (DPhil candidate, University of Oxford), "How Reliably Can We Estimate Changes in Extreme-Event Probabilities? A Reforecast Ensemble Approach"
- **Dr. Leehi Yona** (Cornell Law School), "What (and Who) Counts? Greenhouse Gas Accounting Gaps"