

Extreme Event and Impact Attribution: Challenges, Opportunities, and Applications - A Workshop

April 1-2, 2025

[CLICK HERE TO REGISTER \(VIRTUAL OR IN PERSON\)](#)

LOCATION: **Huntington Room
Arnold and Mabel Beckman Center,
100 Academy Way
Irvine, CA 92617**

Purpose

- Discuss issues and challenges associated with the attribution of impacts from extreme events
- Identify cross-cutting challenges that propagate between physical extreme event attribution, impacts attribution, and applications and uses of EEA.
- Discuss ways that research can better support user and stakeholder needs and improve communication of results.

APRIL 1, 2025 (ALL TIMES IN PDT)

Huntington Room, Arnold and Mabel Beckman Center, Irvine, CA

Session 1: Extreme Events Impact Attributions--Challenges, Opportunities, and Applications

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|-------------------|---|
| 10:00 am | Welcome, Introduction, and Framing |
| 10:10 am | Overview of Extreme Event Impact Attribution (20 min + discussion)
Daithi Stone, NIWA (virtual) |
| 10:40 a.m. | Session 1A: Methods, Tools, and Data for Attributing Impacts of Extreme Events to Climate Change
<i>Short presentations (~7-10 min. ea.) on approaches to impact attribution followed by panel discussion on limitations and opportunities</i>
Marshall Burke , Stanford University (virtual)
Kris Ebi , University of Washington (in person)
Mark New , University of Cape Town (virtual)
Frances Davenport , Colorado State University (in person)
Moderator: Joyce Kimutai |
| 12:00–1:00 | Lunch |
| 1:00 pm | Session 1 B: Methods, Tools, and Data for Attributing Impacts of Extreme Events to Climate Change
<i>Short presentations (~7-10 min. ea.) on approaches to impact attribution followed by panel discussion on limitations and opportunities</i>
Sarah Perkins-Kirkpatrick , Australian National University (virtual)
Ilan Noy , Victoria University of Wellington (virtual) |

Park Williams, UCLA (virtual)
Sol Hsiang, Stanford (virtual)
Moderator: Tannecia Stephenson

2:20 pm **Overarching panel discussion: Reflections on priorities for impact attribution**

3:15 **Break**

Session 2: Applications of Extreme Event and Impact Attributions

3:30 **Use of Attribution Information and Outputs**

Flash talks ~5-8 min each followed by panel Q&A

***Darren Bonfantine**, California Department of Water Resources (in person)*

***Jessica Wentz**, Sabin Center for Climate Change Law, Columbia University (virtual)*

***Roop Singh**, Red Cross Crescent Climate Center (in person)*

***Andrea Staid**, Electric Power Research Institute (in person)*

***Mekala Krishnan**, McKinsey & Company (virtual)*

Moderator: James Done

5:00 **Day 1 Recap**

5:15 pm **Adjourn**

5:15-8 pm **Reception/Dinner** *(members of the public must register and pay by March 23rd to participate, please contact KCrews@nas.edu)*

APRIL 2, 2025 (ALL TIMES PDT)

Huntington Room, Arnold and Mabel Beckman Center, Irvine, CA

Session 3: Public Perception, Communication, and Shared Understanding Across EEA

- 8:30 am** **Welcome and Recap of Day 1, objectives for day 2**
- 8:40 am** **Experiences and lessons learned from professional climate communicators**
~7-10 min talks followed by panel discussion
Shel Winkley, *Climate Central (in person)*
Shannon Osaka, *Washington Post (virtual)*
Jeff Masters, *Yale Climate Connections (virtual)*
Gunjan Jain, *Climate Trends (virtual)*
Moderator: Jenn Marlon
- 10:00 am** **Break**
- 10:15 am** **Insights from risk communication and social science**
~7-10 min talks followed by panel discussion
Lorraine Whitmarsh, *University of Bath (virtual)*
Max Boykoff, *University of Colorado (in person)*
Dana Fisher, *American University (virtual)*
Lisa Fazio, *Vanderbilt University (virtual)*
Joseph Ripberger, *University of Oklahoma (virtual)*
Moderator: Hilary Boudet
- 11:45 am** **Workshop wrap-up**
- 12:00 noon** **ADJOURN (lunch provided for speakers)**