

Optimizing Research on Experimental Prescribed Fires to Improve Understanding of Wildland Fire and Smoke Behavior – Meeting 1

August 12-13, 2025

2101 Constitution Ave. NW, Washington, DC 20418

TUESDAY, AUGUST 12, 2025

Meeting Objectives

- Provide a public-facing orientation to our process
- Hear from the sponsor regarding the study motivation, background, and request
- Discuss the Statement of Task and considerations for candidate campaigns and models
- Prepare for future meetings, identify information needs, and strategize for report development

OPEN SESSION

- 10:00** **Welcome and Introductions**
Dar Roberts, Committee Chair
- 10:15** **Orientation to the National Academies, Study, and Committee Process**
Stacey Karras, Study Director
- 11:00** **Study Background and Request**
Aaron Piña, U.S. Department of Agriculture, U.S. Forest Service
Kevin Hiers, Department of Defense
Michael Falkowski, National Aeronautics and Space Administration
- 12:00** **Lunch**
- 1:00** **Open Discussion of Study Scope and Task**
 - Clarifying Questions about the Committee's Charge
 - Discussion of relevant data-collection efforts
 - Discussion of relevant modelsCommittee and Guests
- 2:45** **Break**
- 3:00** **Fire and Smoke Model Evaluation Experiment (FASMEE)**
Tim Brown, Desert Research Institute
- 3:45** **Concluding Remarks**
- 4:00** **Open Session Adjourn**

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WEDNESDAY, AUGUST 13, 2025

OPEN SESSION

- 10:00** **Welcome and Introductions**
Dar Roberts, Committee Chair
- 10:15** **Prescribed Fire Combustion-Atmospheric Dynamics Research Experiments (RX-CADRE) and DOD SE Campaigns**
Joe O'Brien, U.S. Department of Agriculture, U.S. Forest Service
- 11:15** **Fire Influence on Regional to Global Environments and Air Quality (FIREX-AQ)**
Joshua Schwarz, National Oceanic and Atmospheric Administration
- 12:00** **Lunch**
- 1:00** **Western wildfire Experiment for Cloud chemistry, Aerosol absorption and Nitrogen (WE-CAN)**
Emily Fischer, Colorado State University
- 1:45** **Closing remarks**
- 2:00** **Open Session Adjourn**