

2nd National Flash Drought Workshop
May 2-4, 2023 | Boulder, Colorado ([UCAR Center Green](#))
DRAFT AGENDA

Workshop Objectives

1. Bring together the flash drought research community and practitioners to learn from one another, build stronger connections and increase coordination.
2. Establish the state of the science on flash drought research, monitoring, prediction, planning, and communication, and share new and emerging areas of flash drought research.
3. Build a better understanding of practitioner needs for improved flash drought preparedness, response, and communication.
4. Share research, tools, case studies, and regional/seasonal characteristics of flash drought in order to improve management and response.
5. Develop an updated list of outstanding research and information needs since the 2020 workshop for flash drought monitoring, prediction, planning and response.

DAY 1: Tuesday, May 2, 2023 - DRAFT AGENDA		
Time (MT)	Topic	Speaker/Moderator
8:30 AM	Welcome & Introductions	Sylvia Reeves, NOAA/NIDIS
9:00 AM	Progress since 2020 Virtual Workshop	Joel Lisonbee, NOAA/NIDIS
Session 1: State of the Science		
9:20 AM	Framing Flash Drought and Monitoring	Jason Otkin, University of Wisconsin Madison
9:40 AM	Flash Drought Prediction and Predictability	Hailan Wang, NOAA Climate Prediction Center Andy Hoell, NOAA Physical Sciences Laboratory
10:00 AM	Flash Drought Impacts	Amanda Cravens, USGS Forest and Rangeland Ecosystem Science Center
10:20 AM	Break	
10:40 AM	Incorporating Flash Drought into Planning, Policy, and Decision Making	Mark Svoboda, National Drought Mitigation Center
11:00 AM	Projections of Flash Drought in a Warming Climate Across the United States	Jordan Christian, University of Oklahoma
11:20 AM	Group Discussion	Moderator: Trent Ford, University of

		Illinois
12:00 PM	Lunch (Provided)	
Session 2: Practitioner Perspective		
1:00 PM	Practitioner Presentations & Panel Discussion	Panelists: <ul style="list-style-type: none">● Beckie Maddox, Senior Environmental Specialist - Constellation Nuclear (<i>confirmed</i>)● Klaus Albertin, Water Supply Planning Engineer - North Carolina Department of Environmental Quality, Division of Water Resources (<i>confirmed</i>)● Viki Zoltay, Hydrologist - Massachusetts Department of Conservation and Recreation, Office of Water Resources (<i>confirmed</i>)● Miranda Meehan, Extension Disaster Education Coordinator and Livestock Environmental Specialist - North Dakota State University Extension (<i>confirmed</i>)● Sumit Sharma, Extension Specialist for High Plains Irrigation and Water Management - Oklahoma State University Extension (<i>confirmed</i>)
2:30 PM	Group Discussion	Moderator: Pam Knox, University of Georgia Extension
2:55 PM	Introduction to Tools Cafe and Poster Session	Sylvia Reeves, NOAA/NIDIS
3:00 PM	Break	
Session 3: Flash Drought Tools Cafe and Poster Session		
3:20 PM	Flash Drought Tools Cafe and Poster Session	
	Confirmed Tools: <ul style="list-style-type: none">● Climate Engine● Climate Smart Farming● Drought.gov Resources● Drought.gov Soil Moisture Dashboard● Evaporative Drought Demand Index (EDDI)● Evaporative Stress Index (ESI)	

	<ul style="list-style-type: none"> • Midwestern Regional Climate Center Flash Drought Risk Tool (Flash-DRT) • National Drought Mitigation Center Flash Drought Monitor • Soil Moisture Flash Drought Monitor • Standardized Evaporative Stress Ratio (SESR) 	
4:45 PM	Day 1 Close Out	Sylvia Reeves, NOAA/NIDIS
5:00-7:00 PM	Optional Social Event	Location: TBD

DAY 2: Wednesday, May 3, 2023 - DRAFT AGENDA		
Time (MT)	Topic	Speaker/Moderator
8:30 AM	Welcome Back & Overview of Day 2	Sylvia Reeves, NOAA/NIDIS
8:35 AM	Morning Coffee Panel Chat	<p>Panelists:</p> <ul style="list-style-type: none"> • Pam Knox, Agricultural Climatologist - University of Georgia Extension • Dannele Peck, Director - Northern Plains Climate Hub • Art DaGaetano, Professor - Cornell University and Director - Northeast Regional Climate Center • Trent Ford, Illinois State Climatologist - University of Illinois <p>Moderator: Sylvia Reeves, NOAA/NIDIS</p>
Session 4: Case Studies of Flash Drought		
9:30 AM	State of Massachusetts Case Study	Vandana Rao, Massachusetts Executive Office of Energy and Environmental Affairs
9:45 AM	Effective Drought Monitoring and Assessment in South Carolina	Elliot Wickham, South Carolina State Climatology Office
10:00 AM	Break	
10:20 AM	2017-2018 Flash Drought Event in Argentina: Characteristics, Impacts and Lessons Learned	Pablo Spennemann, Servicio Meteorologico Nacional-CONICET, Argentina
10:35 AM	Case Study #4	TBD

10:50 AM	Table Brainstorm & Group Discussion	
11:50 AM	Introduction to Breakout Groups	Marina Skumanich, NOAA/NIDIS
12:00 PM	Lunch (Provided)	
Session 5: Break Out Group Sessions		
1:00 PM	Flash Drought Science to Action at the Regional Level	Lee Ellenberg, University of Alabama Huntsville Meredith Muth, NOAA/NIDIS
1:20 PM	Facilitated Break Out Groups - Part 1	
2:20 PM	Report Out - Group Discussion	
2:40 PM	Break	
3:00 PM	Facilitated Break Out Groups - Part 2	
4:00 PM	Report Out - Group Discussion	
4:20 PM	Day 2 Close Out	Marina Skumanich, NOAA/NIDIS
4:30 PM	Adjourn for the Day	

Day 3: Thursday, May 4, 2023 - DRAFT AGENDA		
Time (MT)	Topic	Speaker/Moderator
8:30 AM	Welcome Back & Overview of Day 3	Sylvia Reeves, NOAA/NIDIS
Session 6: Emerging Flash Drought Science		
8:40 AM	A Framework for Flash Drought Development and Progression	Jeff Basara, University of Oklahoma
8:55 AM	Subseasonal Flash Drought Prediction Skill in the Contiguous United States	Kyle Lesinger, Auburn University
9:10 AM	Assessing the performance of Sub-Seasonal Solar-Induced Fluorescence trajectory as an early warning system for flash droughts in the	Koushan Mohammadi, University of Connecticut

	US regions and Ecosystems	
9:25 AM	Using the El Niño-Southern Oscillation and Madden Julian Oscillation Modes of Variability to Predict Rapid Drought Change	Emma Scott, North Carolina Institute for Climate Studies
9:40 AM	Table Brainstorm & Group Discussion	
10:30 AM	Break	
Session 7: Reflection + Forward Thinking		
10:50 AM	Reflection and Prioritizing Outstanding Needs	Marina Skumanich and Joel Lisonbee, NOAA/NIDIS
11:20 AM	Forward Thinking	Sylvia Reeves and Meredith Muth, NOAA/NIDIS
11:50 AM	Workshop Adjourn	Sylvia Reeves, NOAA/NIDIS