



Current as of June 7, 2024

2024 Annual AASC Meeting

Fort Collins, Colorado, June 12 – 14, 2024

Smith Alumni Center, Colorado State University

Tuesday, 11 June

6:00pm – 9:00pm AASC Icebreaker

Chippers Lanes, 217 W Horsetooth Rd Fort Collins, CO

(Bowling lanes are reserved starting at 7pm for those interested; there is also a restaurant and bar so please come mingle even if you aren't interested in bowling!)

Wednesday, 12 June – Day One

8:00am – 8:45am: Breakfast

Welcome Session

8:45am – 9:05am: Welcome and Logistics

*Eric Maloney, Department Head, CSU Department of Atmospheric Science
Colorado Climate Center Staff*

9:05am – 9:15am: Introduction to AASC Business Meeting

John Nielsen-Gammon, AASC President

9:15am – 9:30am: NWS Climate Services Capabilities for Building a Climate Ready Nation

Marina Timofeyeva, NWS

9:30am – 10:00am: Updates from NOAA's National Centers for Environmental Information

Tami Houston, NOAA NCEI

10:00am – 10:15am: NWS/NCEI Discussions

10:15am – 10:35am: A.M. BREAK

Partner Updates & State Reports

- 10:35am – 10:50am: Creation of an AASC Mesonet Recognition Program
Kevin Brinson, DE State Climatologist
- 10:50am – 11:05am: National Cooperative Observer Program Update
Scott McGuire, NWS
- 11:05am – 11:20am: Revitalization of the Wisconsin State Climatology Office
Steve Vavrus, WI State Climatologist
- 11:20am – 11:35am: South Carolina State Climate Report
Hope Mizzell, SC State Climatologist
- 11:35am – 11:50am: Kentucky Climate Center 2024 Update – Research, Outreach, and Services
Jerry Brotzge, KY State Climatologist
- 11:50am – 12:05pm: 2023 South Dakota Climate Summit
Laura Edwards, SD State Climatologist
- 12:05pm – 1:15pm: LUNCH
Lunch presentation: A Catalog of State Climatologists from Pre-1900 to Present: Part 1
Henry Reges, CoCoRaHS National Coordinator

Drought Session

- 1:15pm – 1:30pm: The U.S. Drought Monitor Process: Utilizing the USDM Author and State Climatologist Relationship to the Fullest
Brian Fuchs, National Drought Mitigation Center
- 1:30pm – 1:45pm: Tracking a Decade of Extremes
Michael Anderson, CA State Climatologist
- 1:45pm – 2:00pm: Condition Monitoring Observer Reports (CMOR) help us “see more” drought
Kelly Helm Smith, National Drought Mitigation Center

- 2:00pm – 2:15pm: Rethinking Resilience: Toward Holistic Approaches to Drought Management on Tribal Lands in the Upper Columbia and Missouri River Basins
Crystal Stiles, NIDIS & Natalie Umphlett
- 2:15pm – 2:30pm: Characterizing the sensitivities of hydroclimatic drought indices to climate non-stationarity
Nels Bjarke, Cooperative Institute for Research in Environmental Sciences
- 2:30pm – 2:45pm: SC Drought Planning Guidebook: Providing Resources for South Carolina Utilities to Update their Drought Plans
Elliot Wickham, South Carolina State Climate Office
- 2:45pm – 3:05pm: P.M. BREAK
- 3:05pm – 4:35pm: Stakeholder dialogue on NOAA's USCRN soil moisture network
Veva Deheza, NIDIS & Tami Houston, NOAA NCEI
- 4:35pm – 5:30pm: Walking Tour – CSU weather history and campus weather station tour
Colorado Climate Center Staff

Dinner and Activities on your own

Thursday, 13 June – Day Two

8:00am – 8:45am: Breakfast

National Mesonet Program Partners Meeting, Mesonet Updates

8:45am – 8:50am: Introduction to NMP Partners Meeting

8:50am – 9:05am: Utilizing NC ECONet Data for a Variety of Applications
Sean Heuser, North Carolina State Climate Office

9:05am – 9:20am: Overview of the Alaska Mesonet
Martin Stuefer, AK State Climatologist

9:20am – 9:35am: NM State Climate Office and ZiaMet updates
Dave Dubois, NM State Climatologist, and Natalie Franco, NMSU

9:35am – 9:50am: The Colorado Agricultural Meteorological Network (CoAgMET):
Colorado's Mesonet
*Russ Schumacher, CO State Climatologist & Lane Simmons, CoAgMET
Manager*

9:50am – 10:05am: SEA (Southeast Atlantic Econet): Integrated Environmental Observing,
Modeling, Applications, and Technology Development Across the Marine
to Terrestrial Transition
Paul Gayes, Coastal Carolina University

10:05am – 10:20am: Weather Act Reauthorization and the NMP
Bill Callahan, Synoptic Data PBC

10:20am – 10:35am: Synoptic Data Viewer/Dashboards/Notifications Demo
Elizabeth Wilson, Synoptic Data PBC

10:35am – 10:45am: Q&A and Wrap-up of NMP Partners Meeting

10:45am – 11:05am: A.M. BREAK

Poster Session Introduction

11:05am – 11:50am: Poster Lightning Talks (3 minutes each)

11:50am – 12:45pm: LUNCH

Lunch presentation, A Catalog of State Climatologists from Pre-1900 to Present: Part 2

Henry Reges, CoCoRaHS National Coordinator

Poster Session

12:45pm – 1:45pm: Poster presentations

New York Drought Summit: Building Resilience through Partnerships and Citizen Science
Natalie Umphlett, Northeast Regional Climate Center, Cornell University

Missouri Climate Center Transition and Update
Zack Leasor, University of Missouri | Missouri Climate Center

The Next-Generation Local Climate Analysis Tool
Marina Timofeyeva, NOAA NWS Climate Services Branch

A Southeastern Flash Drought Assessment
W. Lee Ellenburg, Alabama State Climate Office

Massachusetts State Climate Data Resources
Edwin Sumargo, Commonwealth of Massachusetts

Alaska State Climate Report
Martin Stuefer, Alaska Climate Research Center

Tennessee State Climate Report
William Tollefson, Tennessee Climate Office at East Tennessee State University

Weather Ready Farms
Eric Hunt, University of Nebraska Extension

A Wet-Bulb Globe Temperature Climatology of Louisiana
Derek Thompson, Louisiana Office of State Climatology

Soil Moisture for Drought Monitoring in the Upper Missouri River Basin
Nathan Edwards, South Dakota Mesonet (presented by Laura Edwards)

Maryland's Agriculture under Climate Change
Alfredo Ruiz-Barradas, University of Maryland

Business Meeting

1:45pm – 3:40pm: AASC Business Meeting

3:40pm – 4:00pm: P.M. BREAK

Climate Services Session I

4:00pm – 4:15pm: Extreme Metrics of U.S. Climate
John Christy, AL State Climatologist

4:15pm – 4:30pm: Climate-based tools for row and specialty crop production
Melissa Widhalm, Midwestern Regional Climate Center

4:30pm – 4:45pm: Suspect temperature records and the need to standardize measurement processing
Garrett Wheeler, Campbell Scientific

4:45pm – 5:00pm: EPA's Creating Resilient Water Utilities: Service Climatology in Action
Karsten Shein, GDIT

Thursday evening event

6-8:30pm: Social event and learn about the intersection of climate, beer, and wine at the [Odell Brewing Company Wine Project](#), 824 E. Lincoln Ave., Fort Collins, CO 80524

Friday, 14 June – Day Three

8:00am – 8:45am: BREAKFAST

Climate Services Session II

- 8:45am – 9:00am: ACIS Update
Keith Eggleston, Northeast Regional Climate Center
- 9:00am – 9:15am: Using Operational Forecast Model Downscaling to add value to Climate Services
John Meyer, UT Assistant State Climatologist
- 9:15am – 9:30am: City Climate CoLab at University of Texas Austin
Allysa Dallman, University of Texas Austin
- 9:30am – 9:45am: How to be seen in a fire-climate service
Tim Brown, Western Regional Climate Center Director
- 9:45am – 10:00am: The development of an impacts-based high wind climatology that is tailored to social vulnerability
Chip Konrad, Southeast Regional Climate Center Director
- 10:00am – 10:20am: A.M. BREAK
- 10:20am – 10:25am: Introduction of 2024 AASC New Scientist Award Winner
Christopher Daly, PRISM – Oregon State
- 10:25am – 10:50am: Compound hazards from freezing rain and wind gusts across CONUS
Jacob Coburn
- 10:50am – 11:50am: How to survive being a State Climatologist
Martha Durr, NE, and John Nielsen-Gammon, AASC President
- 11:50am – 1:20pm: LUNCH
RCC Breakouts

Research, Outreach, and Observations Session

- 1:20pm – 1:35pm: A New USDA Plant Hardiness Zone Map: Challenges in the Development and Communication of Spatial Cold Hardiness Information
Christopher Daly, PRISM – Oregon State
- 1:35pm – 1:50pm: Growing season bi-weekly forecasts of rangeland plant productivity for the U.S. Great Plains and Southwest using Grass-Cast
William Parton, Colorado State University
- 1:50pm – 2:05pm: New! The CoCoRaHS Data Explorer (DEX) tool
Noah Newman, CoCoRaHS Education Coordinator
- 2:05pm – 2:20pm: Understanding user needs related to projections of future extreme precipitation
Joe Casola, NOAA NCEI Western Regional Climate Services Director
- 2:20pm – 2:35pm: Precipitation Gauge Measurement Comparison: 8” NWS Standard Rain Gauge and the Climalytic TROPO All-weather Precipitation Gauge
Steve Hilberg, CoCoRaHS
- 2:35pm – 2:45pm: Closing Remarks