

CIESRDS Science Review Agenda

CU Boulder Sustainability, Energy, and Environment Community (SEEC)
MacAllister Research Center, 4001 Discovery Dr., Boulder, CO 80303

Tuesday, March 17, 2026

8:30 AM Review Panel Meet and Greet

Session #1 CIESRDS and CU Boulder Overview

8:45 AM Welcome and Introductions

Dr. Waleed Abdalati, CIESRDS Director (15 min)

9:00 AM Introductions by NOAA

Dr. Roger Pulwarty, CIESRDS Technical Program Manager, Acting Director of the Physical Sciences Laboratory and Jennifer Mahoney, Acting Deputy Assistant Administrator for Science at OAR (15 Min)

9:15 AM Address from CU Boulder

Dr. Ann Stevens, Provost and Executive Vice Chancellor for Academic Affairs (10 min)

9:25 AM Address from the CU Boulder Research and Innovation Office (RIO)

Dr. Massimo Ruzzene, Senior Vice Chancellor for Research & Innovation and the Dean of the Institutes (10 min)

Session #2 CIESRDS Overview: Campus and Government Partnerships

9:35 AM CIESRDS Overview

Dr. Waleed Abdalati, CIESRDS Director (30 min)

10:05 AM Discussion and Q&A on CIESRDS Overview

Dr. Waleed Abdalati, CIESRDS Director (30 min)

10:35 AM Break (10 min)

Session #3 Science Talks and Panels: Theme 1 - Future Atmosphere (10:45 - 11:40) *Note that talks marked with an asterisk will be longer, 12-minute talks, and the rest will be shorter talks, to leave time for discussion.*

10:45 AM Introduction of theme (5 min)

AEROMMA*

Dr. Ilana Pollack, CIESRDS Research Scientist

SABRE

Dr. Adam Ahern, CIESRDS Research Scientist

Impact of aged wildfire smoke on urban ozone

Wyndom Chace, CIESRDS Graduate Student

Measuring Coupled Fire-Atmosphere Dynamics (CalFiDE)

Dr. Brian Carroll, CIESRDS Research Scientist

Discussion

11:40 AM Lunch with Admin Staff (60 min)
SEEC Sievers Room

Session #4 Science Talks and Panel: Theme 2 - Earth system data science, stewardship, and application (1:00 - 1:50)

1:00 PM Introduction of themes (5 min)
Impact-Based Decision Support Services Engine*
Michael Rabellino, CIESRDS Senior Associate Scientist
Coastal Mapping, MABLE, Crowdsourced Bathymetry
Kevin Lally, CIESRDS Associate Scientist
Lee Shoemaker, CIESRDS Associate Scientist
Greenhouse Gas Measurements
Dr. Xin Lan, CIESRDS Research Scientist
GeoMag: World Magnetic Model
Dr. Arnaud Chulliat, CIESRDS Senior Research Scientist, CIRES Fellow
Discussion

1:50 PM Break (10 min)

Session #5 Science Talks and Panel: Themes 3 & 4 - Climate Science and Prediction and Regional Science and Application (2:00 - 3:00)

2:00 PM Introduction of Themes (5 min)
Drought Emergency Warning System, Soil Moisture Project*
Dr. Amanda Sheffield, Senior Associate Scientist
Hunga Tonga
Dr. Yunqian Zhu, CIESRDS Research Scientist
Arctic Report Card - Sea Ice
Walter Meier, Senior Research Scientist at NSIDC
CarbonTracker
Dr. Andy Jacobson, CIESRDS Research Scientist
Revealing the Drivers of Arctic Cloud Regimes and their Surface Impacts
Dr. Kara Hartig, CIESRDS Visiting Postdoctoral Fellow
HORUS
Steven Borenstein, CIESRDS Senior Associate Scientist
FEWSNet
Dr. Mike Hobbins, CIESRDS Senior Research Scientist
Discussion

3:00 PM Break (10 min)

Session #6 Science Talks and Panel: Theme 5 - Weather Research and Forecasting (3:10 - 4:10)

- 3:10 PM Introduction of themes (5 min)
 SPLASH Campaign and VORTEX-SE*
 Dr. Bianca Adler, CIESRDS Research Scientist
 Winter Storm Severity Index (WSSI)
 Dr. Dana Tobin, CIESRDS Research Scientist
 Night Fox
 Joey Taylor, CIESRDS Associate Scientist
 Hazard Services
 Dr. Suneng Zhuo, CIESRDS Senior Associate Scientist
 Expanding 20th Century Reanalysis for Fire Weather
 Dr. Gilbert Compo, CIESRDS Senior Research Scientist
 Project EAGLE and HRRRcast
 Dr. Daniel Abdi, CIESRDS Research Scientist
 Discussion
- 4:10 PM Break and transition (15 min)

Session #7 Meet with CIESRDS Graduate Students, Post-Docs, and Visiting Fellows

- 4:25 PM CIESRDS Graduate Student, Post-Doc, VFP Meet and Greet
 SEEC (60 min, light refreshments provided)
- 5:30 PM **Adjourn**

Wednesday, March 18, 2026

8:00 AM Morning logistics/Schedule overview (10 min)

Session #8 Science Talks and Panel: Themes 6 & 7 - Ecosystem Science and Prediction and Space Weather and Prediction (8:10 - 8:50)

8:10 AM Introduction of themes (5 min)

Space Weather Observations at SWPC*

Jeffrey Johnson, CIESRDS Senior Associate Scientist

Ensemble Coronal Mass Ejection Prediction

Dr. Mark Miesch, CIESRDS Research Scientist

Impacts of Wildfire and Prescribed Fire on Cultural Ecosystem Services and Related Social Ecological Outcomes

Dr. Kyle Manley, CIESRDS Visiting Postdoctoral Fellow

Discussion

8:50 AM Break and transition to shuttle (10 min)

Session #9 Travel to NOAA

9:00 AM Travel to NOAA (30 min)

9:30 AM **Science on a Sphere Demonstration**

Beth Russell, Hilary Peddicord, Shilpi Gupta (20 min)

9:50 AM **Global Monitoring Laboratory Visit (20 min)**

POC is Dr. Irina Petropavlovskikh, Welcome by Dr. Vanda Grubisic, GML Director

10:10 AM **Chemical Sciences Laboratory Visit (20 min)**

POC is Dr. Eric Ray, Welcome by Dr. David Fahey, CSL Director

10:30 AM **NOAA Directors Meeting with Panel Members**

NOAA DSRC Conference Room 3B504 (60 min)

11:30 AM Travel to SEEC (30 min)

12:00 PM Lunch (45 min)

SEEC Sievers Room

Session #10 Education and Outreach (12:45 - 1:45)

12:45 PM Overview of Education and Outreach

Dr. Waleed Abdalati, CIESRDS Director (20 min)

Exploring the Learning of Earth Science Concepts and Context for NOAA Science on a Sphere

Dr. Grace Bennett-Pierre, CIESRDS Visiting Postdoctoral Fellow

NWS Forecaster Training on WPC Ensemble Clustering/Sensitivity Tools

Dr. Austin Coleman, CIESRDS Research Scientist

Discussion

1:45 PM Break (15 min)

Session #11 CIESRDS Science Management (2:00 - 2:50)

2:00 PM **CIESRDS Science Management and Support**

Dr. Waleed Abdalati, CIESRDS Director, and Kari Bowen, CIESRDS Admin and Science Manager (30 min)

Discussion

2:50 PM Break and transition (10 min)

Session #12 CIESRDS Poster Session

3:00 PM Unattended Poster Session and panel with CIESRDS Lab/Center Leads and Senior Scientists

Light refreshments (60 min)

Session #13 Review Panel Executive Session

4:00 PM Review Panel Executive Session (30 min)

Session #14 Wrap-up Q&A

4:30 PM Q&A with CIESRDS and Panel Members (60 min)

5:30 PM **Adjourn**