

CIWRO SCIENCE REVIEW AGENDA

National Weather Center, University of Oklahoma
120 David L. Boren Blvd, Norman, OK 73072 and Virtual (**All times in CST**)

Tuesday, April 22, 2025

8:00 AM Review Panel Executive Session, Virtual

Session #1 CIWRO and OU Overview, 1st Floor Boardroom and Virtual

8:30 AM Welcome & Introductions (10 min)
Greg McFarquhar, CIWRO Director

8:40 AM Introduction from the TPM (5 min)
DaNa Carlis, NOAA NSSL

8:45 AM OU Research Environment (10 min)
Carol Silva, Vice President for Research and Partnerships

8:55 AM College of Atmospheric and Geographic Sciences (CAGS) (10 min)
Petra Klein, Interim Dean CAGS

9:05 AM National Weather Center (NWC) (10 min)
Robert Palmer, Interim Director, National Weather Center

9:15 AM Overview of CIWRO, Science Planning and Initiatives (45 min)
Greg McFarquhar, CIWRO Director

10:00 AM Break (15 min)

Session #2 CIWRO Overview and Consortium Partners, 1st Floor Boardroom and Virtual

10:15 AM Consortium Partner Overview (30 min)
Greg McFarquhar, CIWRO Director with input from consortium partners

10:45 AM Q&A and Discussion on CIWRO Science Planning and Initiatives (30 min)
Greg McFarquhar, CIWRO Director

11:15 AM Meeting with CIWRO Undergraduate Students (30 min)

11:45 AM Lightning Talks presented by CIWRO Researchers and Students (30 minutes)
Travis Smith, CIWRO Senior Research Associate Chair

12:15 PM Lunch (60 min)

Session #3 CIWRO Major Projects, 1st Floor Boardroom and Virtual

1:15 PM Phased Array Radar (15 min)
Sebastián Torres, CIWRO Assistant Director

1:30 PM Warn on Forecast System (15 min)
Nusrat Yussouf, CIWRO Senior Research Scientist

1:45 PM Multi-Radar Multi-Sensor System (15 min)
Steve Martinaitis, CIWRO Research Associate

2:00 PM Hazardous Weather Testbed (15 min)
David Jahn, CIWRO Research Scientist

- 2:15 PM Vortex Program (15 min)
Ben Schenkel or Sarah Stough, CIWRO Research Scientists
- 2:30 PM Q&A on CIWRO Major Science Themes (30 min)
CIWRO Researchers
- 3:00 PM Break (15 min)

Session #4 Lightning Talks, 1st Floor Boardroom and Virtual

- 3:15 PM Lightning talks presented by CIWRO Researchers, Students (60 min)
Travis Smith, CIWRO Senior Research Associate, Chair

Session #5 Meeting with CIWRO Graduate Students and Postdoctoral Researchers 1st Floor Boardroom and Virtual

- 4:15 PM Meeting with CIWRO Graduate Students and Postdoctoral Researchers (45 min)

Session #6 Panel Executive Session, Virtual

- 5:00 PM Panel Executive Session (60 min)

Wednesday April 23, 2025

- 8:00 AM Review Panel Executive Session, Virtual (25 min)

Session #7 Select CIWRO Science Presentations, 1st Floor Boardroom and Virtual (120 min)

- 8:30 AM CIWRO Social Science Overview
David Hogg, CIWRO Research Associate
- 8:42 AM CIWRO OCLO Teams Training Activities
Andy Wood, CIWRO Research Associate
- 8:54 AM Severe Convective Radar Applications
Terry Schuur, CIWRO Senior Research Scientist
- 9:06 AM CIWRO S2S Activities
Kim Hoogewind, CIWRO Research Scientist
- 9:18 AM SPC Activities and Fire Weather
David Harrison, CIWRO Research Scientist
- 9:30 AM Threats in Motion and AI in CIWRO
Thea Sandmael, CIWRO Research Associate
- 9:42 AM Field Work in CIWRO: Lightning, UAS and VORTEX
Sarah Stough, CIWRO Research Scientist
- 9:54 AM WoFSCAST
Monte Flora, CIWRO Research Scientist

- 10:06 AM CIWRO Hydrology and Flash Flood Studies
Steve Martinaitis, CIWRO Research Associate
- 10:18 AM Wind turbine clutter for NEXRAD
Feng Nai, CIWRO Research Scientist
- 10:30 AM Break (15 min)

Session #8: Demonstrations, 1st Floor Boardroom and Virtual (75 minutes)

- 10:45 AM Demonstrations (75 min)
Tornado Simulation Exercise at WDTD
Dale Morris, Andy Wood and Chris Spannagle
Storm Prediction Center
David Jahn and David Harrison
Hazardous Weather Testbed
Adrian Campbell and Kent Knopfmeier
- 12:00 PM Lunch (60 min)

Session #9 Building Partners, Education and Outreach, 1st Floor Boardroom (130 minutes)

- 1:00 PM Building Partner Panel (30 min)
Cameron Homeyer, Director, School of Meteorology (to be confirmed)
Amy McGovern, Director, Artificial Intelligence for the Environmental Sciences (AI2ES)
Xuguang Wang, School of Meteorology Professor
Chris Fiebrich, Director Oklahoma Climatological Survey (OCS)
Robert Palmer, Director Advanced Radar Research Center (ARRC)
- 1:30 PM Overview of Education & Outreach and Goals (10 min)
Greg McFarquhar, CIWRO Director
- 1:40 PM Education and Outreach Activities (30 min)
Annette Price, CIWRO Education & Outreach Coordinator
Andrew Wade, CIWRO Research Scientists
Adam Werkema, CIWRO Research Associate
Michael Stock, CIWRO Research Scientist
- 2:10 PM CIWRO Scientific Management (60 min)
Greg McFarquhar, CIWRO Director and Sebastián Torres, CIWRO Assistant Director
- 3:10 PM Break (10 min)

Session #10 Lightning Talks, 1st Floor Boardroom and Virtual (60 minutes)

- 3:20 PM Lightning talks presented by CIWRO Researchers and Students (60 min)
Travis Smith, CIWRO Senior Research Associate, Chair

Session #11 Review Panel Executive Session, Virtual (60 minutes)

- 4:20 PM Review Panel Meeting to Develop any Final Questions

Session #12 Wrap-Up Session, 1st Floor Boardroom and Virtual

- 5:20 PM Final Q&A and Conversation with CIWRO Leadership