2025 National Soil Moisture Pre-Workshop Meeting: Operations and Maintenance Challenges for Soil Moisture Networks

June 2, 2025

1:00 p.m. - 4:00 p.m. MT

Nutrien Room 163, Colorado State University, Fort Collins, CO 80521

This workshop is jointly hosted by NOAA National Integrated Drought Information System (NIDIS), Colorado State University IN-RICHES, and USDA Agricultural Research Service (ARS)

Please refer to the website for continued updates: 2025 O&M NCSMMN Meeting Webpage

Monday, June 2, 2025 – Pre-Workshop Meeting		
Time (MT)	Торіс	Speaker/Moderator
1:00 p.m.	Welcome and Meeting Overview Group Introductions	Elise Osenga (CIRES, CU Boulder) Helen Silver (Ground Up Consulting, LLC/IN-RICHES, Colorado State University)
1:30 p.m.	An Approach to Defining Community Needs Around O&M, Funding, and Value – Discussion	Moderator: Elise Osenga
1:45 p.m.	Identifying Current O&M Costs and Structures – Activity	Moderator: Helen Silver
2:15 p.m.	Break	
2:30 p.m.	Data Applications and Value – Introduction to Topic	Elise Osenga, Mike Cosh (USDA – Agricultural Research Service)
2:45 p.m.	Data Applications and Value – Breakout Group Discussion	Moderator: Elise Osenga
3:15 p.m.	Data Applications and Value – Report Out; Group Discussion	Moderator: Elise Osenga
3:45 p.m.	Wrap-Up and Next Steps	Helen Silver, Elise Osenga, Mike Cosh
4:00 p.m.	Go Enjoy Fort Collins!	

Further Information About Discussion Topics

The following topics may be components of discussion throughout this workshop and in the white papers that are an intended outcome of this effort. We encourage you to review the bullets below and consider them prior to the June 2 meeting.

Operations & Maintenance (O&M):

- What are the biggest challenges to sustaining O&M for your network?
- Where are you currently succeeding in your O&M approach? (e.g., partnerships/division of labor, paying more up front for more durable equipment, etc.)
- What are some of the largest costs associated with O&M for your network? (e.g., data storage, physical equipment/sensors, skilled labor, etc.)
- What level of data quality feels sustainable for your network? (Data Tier System p. 57–59, <u>Soil Moisture Data Quality Guidance</u>)

Applications, Funding, & Value of Data:

Context to consider:

- Who uses your data?
 - How do you know?
- What applications or decisions are your data used for?
 - What quality of data are needed for this use?