



2017 ANNUAL CONFERENCE

2017 PROGRAM AGENDA

Tuesday, May 16th

5:00-6:00PM Registration/Check-In – Main Administration Building

5:00-7:00PM Dining Hall Open for Dinner

6:30PM Evening Activity – Short Park Tour -- Meet at Main Administration Building

Wednesday, May 17th

7:00-9:00AM Dining Hall Open for Breakfast

8:30 AM WERA Kick-off
Welcome – *Michael H. Harrington, WERA 1012 Advisor, Colorado State University*

Introductions, surviving at 8700 feet, YMCA logistics, goals and objectives for the meeting. *Henry Reges and Nancy Selover*

8:40 AM **SESSION 1 – CoCoRaHS Annual Status Report and Update**
CoCoRaHS –Review of the Network.
Nolan Doesken, CoCoRaHS National Office, CO State Climatologist

- 9:10 AM Participation Trends and Statistics
Tony Bergantino, WY State Coordinator, WY State Climate Office
- 9:40 AM CoCoRaHS IT Update including New Products on the website
Julian Turner, CoCoRaHS National Office
- 10:30 AM Break
- 10:45 AM **SESSION 2 – Drought**
Amanda Farris – CISA – Condition Monitoring: A New System for Drought Impacts Reporting through CoCoRaHS
- The CoCoRaHS Soil Moisture Measurement
Peter Goble, Nolan Doesken, Noah Newman – CoCoRaHS National Office
- National Drought Mitigation Center – *Brian Fuchs – NDMC*
- 12:15 PM Lunch (Dining Hall open for Lunch 11:30AM-1:30PM)
- 1:30 PM **SESSION 3 Education/Training/Equipment**
Education Activities, Social Media – *Training & Education Committee representative.*
- Precipitation Protocols - *Tony Bergantino, Chair*
- An automated CoCoRaHS Rain Gauge Prototype
Katie Laro, MetStat, Inc., Fort Collins, CO
- CoCoRaHS Hail Pads - *Nolan Doesken.*
- 3:15 PM Break
- 3:30 PM **SESSION 4 Coordinators**
- Coordinator Support
Henry Reges, National CoCoRaHS Coordinator, *CoCoRaHS National Office Report on Coordinator Support*
- Matt Spies – Connecticut State Coordinator – *Mentoring Coordinators and Subsidizing gauges.*
- Recruiting and Retention Committee Report
Henry Reges, CoCoRaHS National Coordinator, Tony Bergantino

Innovation and Development Committee Report
*Adnan Akyuz, Chair, ND State Coordinator, ND State Climatologist,
NDSU*

5:15 PM Adjourn for the day

Thursday, May 18th

8:30 AM **SESSION 5 – Partner Presentations**

*NCEI – Bryant Korzeniewski, National Centers for Environmental
Information – Remote Presentation (10:30 am EDT)*

*NWS COOP Update– Frank McMenimen COOP Program Manager,
Office of Observations/Surface and Upper Air Division/Programs
Management Branch, National Weather Service*

CoCoRaHS Expansion - Henry Reges

*Collaboration Committee
Mary Knapp, Kansas State Coordinator, Kansas State University*

10:10 AM Break

10:30 AM **SESSION 6 – Engaging Tribes & Partners**

*Engaging the Tribes – Tony Merriman – Flagstaff NWS Office – Remote
presentation*

*CoCoRaHS Canada – Ian Nichols or Myles Wieshar,
Environment Canada, Weather Innovations*

Western Water Assessment – Jeff Lukas

SouthWest Climate Hub – USDA – Caitriana Steele - NMSU

12:10 PM Lunch (Dining Hall open for Lunch 11:30AM-1:30PM)

1:30 PM **SESSION 7 – Demonstrating Value – with discussion**

PRISM – Chris Daly, PRISM Climate Group, Oregon State University

*Multi-Day reports – PRISMS and as research data source. Discussion:
Julian, Chris Daly, Nancy what do we need?*

CoCoRaHS Data Usage through MADIS and NWS Distribution

- 3:30 PM Break and group photo
- 4:00 PM **SESSION 8 Data QA/QC**
*Steve Hilberg, QA/QC Chair, Illinois State Coordinator,
MRCC/ISWS/University of Illinois*
- 5:15 PM Adjourn for the day

Friday, May 19th

- 8:30 AM **SESSION 9 – Where do we go from here?**
Summarizing listing and prioritizing action items for the database, the webpage – Headquarters. Julian – what came up that we need to add to the list?
- 9:45 AM Break (check out)
- 10:15 AM **SESSION 10**
Committee membership – need for new committees?, change committee charges? Change committee leadership?
- Sustainability – Path to the Future and planning for WERA 1012 renewal at end of 2018. *Nolan Doesken, CoCoRaHS National Office*
- 12:00 PM WERA Conference adjourns – see you next year!
Lunch (Dining Hall open for Lunch 11:30AM-1:30PM)

What does WERA stand for?

III. WESTERN MULTISTATE PROJECTS

A. Research Projects (W)

Multistate Research Projects involve cooperative, jointly planned research employing multidisciplinary approaches in which SAESs, working with the ARS, or other college or university, cooperate to solve problems that concern more than one state and, usually, more than one region. Cooperative Extension and academic faculty are encouraged to participate if and where appropriate to meeting joint objectives.

B. Coordinating Committees (WCC)

Coordinating Committees provide a mechanism for addressing critical regional issues where multistate coordination or information exchange is appropriate within a function (i.e. research, education or extension); have expected outcomes; convey knowledge; and are peer reviewed. The work of Western Coordinating Committees can be classified into the following categories:

- Multistate research, education or extension programs with clearly established, outcome oriented, goals where research results are already available. Knowledge is conveyed utilizing methodology which results in increased understanding and effective resolution of identified needs.
- Multistate research, education or extension coordination resulting in increased communication between faculty, avoidance of unnecessary duplication and gained efficiencies in the use of resources and shared ideas.

C. *Education/Extension and Research Activity (WERA)*

These activities serve to integrate two or more functions (i.e., education, extension and research) on a particular topic where multistate coordination or information exchange is appropriate; have expected outcomes; convey knowledge; and are peer reviewed. The work of Western Education/Extension and Research Activity Committees can be described as follows:

- *Fully integrated research, education and extension program coordination with clearly defined, impact-oriented objectives, where results are effectively embodied in educational efforts to assist those in need.*

WERA 1012 Attendees 2017

Name	e-mail address	Affiliation
Adnan Akyuz	adnan.akyuz@ndsu.edu	ND State Univ.
Tony Bergantino	antonius@uwyo.edu	Univ. of Wyoming
Mike Borengasser	Michael.borengasser@arkansas.gov	AR Dept of Natural Resources
Chris Daly	chris.daly@oregonstate.edu	PRISM/Oregon State Univ.
Nolan Doesken	nolan@atmos.colostate.edu	Colorado State Univ.
Stan Engle	sengle@nmsu.edu	NM Climate Center/NMSU
Amanda Farris	afarris@sc.edu	CISA/Univ. of SC
Brian Fuchs	bfuchs2@unl.edu	NDMC
Michael Harrington	michael.harrington@colostate.edu	Colorado State Univ./WERA
Steve Hilberg	hberg@uiuc.edu	MRCC/Illinois State Water
Windy Kelley	wkelly1@uwyo.edu	UW Extension/NP Climate Hub
Mary Knapp	mknapp@ksu.edu	Kansas State Univ.
Katie Laro	klaro@metstat.com	MetStat, Inc.
Frank McMenimen	frank.mcmenimen@noaa.gov	NWS Headquarters
Jon Meyer	jon.meyer@usu.edu	Utah State Univ.
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Matt Spies	matt.spies@att.net	CT CoCoRaHS State Coordinator
Caitriana Steele	caiti@nmsu.edu	NMSU/SW Climate Hub
Kevin Stewart	kstewart@udfcd.org	Urban Drainage & Flood Control
Jim Zdrojewski	james.zdrojewski@noaa.gov	NWS Headquarters
 <u>CoCoRaHS Staff</u>		
Peter Goble	peter@cocorahs.org	
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Henry Reges	hreges@atmos.colostate.edu	
Carol Stolz	carol@cocorahs.org	
Dani Talmadge	qc@cocorahs.org	
Julian Turner	Julian.turner@colostate.edu	

CURRENT WERA 1012 COMMITTEES (2016-17)

CoCoRaHS Collaborations

*Harry Hillaker, Mary Knapp, Angie Knowles/Ian Nichols,
Tim Kearns, Jim Williams and Jim Zdrojewski*

Coordinator Support

*Tony Bergantino, David Glenn, Steve Hilberg, Henry Reges, Dave Robinson and Jim
Zdrojewski*

Innovation and Development (Creation of added-value products)

*Adnan Akyuz, Tony Bergantino, Chris Daly, Cindy Lutrell, Ian Nichols, Nancy Selover,
Bill Sorensen, and Julian Turner*

Precipitation Protocols

Adnan Akyuz, Tony Bergantino, Nolan Doesken, Matt Kelsch and Zach Schwalbe

Quality Assurance/Quality Control

*Tony Bergantino, Tim Kearns, Bryant Korzeniewski, Mat Gerbush, Steve Hilberg, Zach
Schwalbe, Bill Sorensen, Dani Talmadge and Julian Turner*

Recruitment/Retention (Replaces March Madness)

*Tony Bergantino, Laura Edwards, Stan Engle, Noah Newman, Henry Reges and Dave
Robinson*

Sustainability/Funding

Nolan Doesken, Chris Daly, Mary Knapp and Henry Reges

Training/Education

Adnan Akyuz, Melissa Griffin, Mary Knapp and Noah Newman