



*2017 ANNUAL CONFERENCE*

**2017 PROGRAM AGENDA**

**Tuesday, May 16<sup>th</sup>**

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 17<sup>th</sup>**

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 SAEs, 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**

<b>Name</b>	<b>e-mail address</b>	<b>Affiliation</b>
Adnan Akyuz	<a href="mailto:adnan.akyuz@ndsu.edu">adnan.akyuz@ndsu.edu</a>	ND State Univ.
Tony Bergantino	<a href="mailto:antonius@uwyo.edu">antonius@uwyo.edu</a>	Univ. of Wyoming
Mike Borengasser	<a href="mailto:Michael.borengasser@arkansas.gov">Michael.borengasser@arkansas.gov</a>	AR Dept of Natural Resources
Chris Daly	<a href="mailto:chris.daly@oregonstate.edu">chris.daly@oregonstate.edu</a>	PRISM/Oregon State Univ.
Nolan Doesken	<a href="mailto:nolan@atmos.colostate.edu">nolan@atmos.colostate.edu</a>	Colorado State Univ.
Stan Engle	<a href="mailto:sngle@nmsu.edu">sngle@nmsu.edu</a>	NM Climate Center/NMSU
Amanda Farris	<a href="mailto:afarris@sc.edu">afarris@sc.edu</a>	CISA/Univ. of SC
Brian Fuchs	<a href="mailto:bfuchs2@unl.edu">bfuchs2@unl.edu</a>	NDMC
Michael Harrington	<a href="mailto:michael.harrington@colostate.edu">michael.harrington@colostate.edu</a>	Colorado State Univ./WERA
Steve Hilberg	<a href="mailto:hberg@uiuc.edu">hberg@uiuc.edu</a>	MRCC/Illinois State Water
Windy Kelley	<a href="mailto:wkelley1@uwyo.edu">wkelley1@uwyo.edu</a>	UW Extension/NP Climate Hub
Mary Knapp	<a href="mailto:mknapp@ksu.edu">mknapp@ksu.edu</a>	Kansas State Univ.
Katie Laro	<a href="mailto:klaro@metstat.com">klaro@metstat.com</a>	MetStat, Inc.
Frank McMenimen	<a href="mailto:frank.mcmenimen@noaa.gov">frank.mcmenimen@noaa.gov</a>	NWS Headquarters
Jon Meyer	<a href="mailto:jon.meyer@usu.edu">jon.meyer@usu.edu</a>	Utah State Univ.
Kerri Jean Ormerod	<a href="mailto:kormerod@unr.edu">kormerod@unr.edu</a>	Univ. of Nevada - Reno
Nancy Selover	<a href="mailto:selover@asu.edu">selover@asu.edu</a>	Arizona State Univ.
Bill Sorensen	<a href="mailto:wsorensen1@unl.edu">wsorensen1@unl.edu</a>	High Plains Regional Climate Ctr
Matt Spies	<a href="mailto:matt.spies@att.net">matt.spies@att.net</a>	CT CoCoRaHS State Coordinator
Caitriana Steele	<a href="mailto:caiti@nmsu.edu">caiti@nmsu.edu</a>	NMSU/SW Climate Hub
Kevin Stewart	<a href="mailto:kstewart@udfcd.org">kstewart@udfcd.org</a>	Urban Drainage & Flood Control
Jim Zdrojewski	<a href="mailto:james.zdrojewski@noaa.gov">james.zdrojewski@noaa.gov</a>	NWS Headquarters

### **CoCoRaHS Staff**

Peter Goble	<a href="mailto:peter@cocorahs.org">peter@cocorahs.org</a>
Noah Newman	<a href="mailto:noah@cocorahs.org">noah@cocorahs.org</a>
Henry Reges	<a href="mailto:hreges@atmos.colostate.edu">hreges@atmos.colostate.edu</a>
Carol Stoltz	<a href="mailto:carol@cocorahs.org">carol@cocorahs.org</a>
Dani Talmadge	<a href="mailto:qc@cocorahs.org">qc@cocorahs.org</a>
Julian Turner	<a href="mailto:Julian.turner@colostate.edu">Julian.turner@colostate.edu</a>

## **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*