

**Southwest Extension Climate Change Workshop:
Incorporating Climate Information into Diverse Program Areas
Dec. 6 – 8, 2016
University of Arizona, ENRB2 Building, 1064 E. Lowell St., Tucson, AZ
AGENDA (10/17, subject to revision)**

Purpose of workshop:

To build Extension's capacity to develop climate-change preparedness and mitigation approaches that integrate cutting edge climate science into existing and emerging efforts

Goal of workshop:

To develop a regional partnership to enable us to incorporate climate-change information into our programs successfully

Day 1: Sessions 1-3: Tuesday December 6, 2016 from 1:00pm to 5:15pm MST

Introductions and initial comments [1:00 to 1:20]

Welcome and Purpose of Conference – Mark Walker (UNR Cooperative Extension); Jeff Silvertooth (UA Cooperative Extension)

BRIEF self introductions (position/affiliation, area of interest)

I. The Climate Toolbox: How do we know what we know? (Panel session talks/Facilitated Group Discussion) [1:20 to 2:40]

- Main findings from the US National Climate Assessment (15 min) (Kathy Jacobs)
- Summary of historical climate, current trends and climate projections for the SW (and sources, including SW Climate Assessment) (15 min) (Gregg Garfin)
- Basics re climate projections: global models, scenarios, downscaling techniques (10 min) (Gregg Garfin)
- Summary of historical climate, current trends, and climate projections for the Pacific (and sources) (10 min) (Clay Trauernicht)
- Resources on climate science (brief overview of handouts and reference materials, web resources, seminal literature) (5 min or less) (Provided in advance on website, including NCA, SW Climate Assessment, individual state summaries of climate-related activities, other recommended readings)
- On Extension/Climate Hub partnerships (15 min) (Justin Derner)
- What is “actionable information”? (Introducing discussion that follows) (5 min) (Facilitator, Kathy Jacobs)

II. Extension and Climate Hubs in the context of Climate Change Adaptation and Mitigation: What is our role and how do we do it? What barriers need to be overcome? Who are the current or possible partners, including RISAs, LCCs, CSCs, etc? (Panel session talks) (Facilitator, Kathy Jacobs) [2:40 to 3:25]

- Definitions of Adaptation and Mitigation and motivations for engagement in these topics. How should we address adaptation and mitigation topics and potential actions to enhance resilience? (15 min) (Rob Davies)
- What is the SW Climate Hub? What work is it doing on adaptation and mitigation? (10 min) (Caiti Steele)

- What are possible roles for Extension in addressing adaptation and mitigation? What are its strengths? Where do we fit into the broader adaptation/mitigation world? Group Discussion (20 min) (Mike Crimmins)

REFRESHMENTS: ICED TEA, LEMONADE, COFFEE & SNACKS PROVIDED BY UA/CALS
[Break: 3:25 to 3:40] 15 Minutes

III. Moving from Vulnerability to Resilience: Lessons Learned (Short TED-like Talks, success stories/new ideas/group discussion) 5-minute presentations of not more than 5 slides each, followed by fielding of questions as a panel, then open discussion for the remainder of the session. (Facilitator, Steve Lewis) [3:40 to 5:15] (John Stevenson, Heidi Brown, Rob Davies, Justin Derner) Topics may include:

- Extension work that incorporates climate planning/impacts/mitigation/education
- Connecting with audiences

[5:15pm Close of Day 1]

DINNER AND ACTIVITIES ON YOUR OWN

Day 2: Sessions 4-10: Wednesday December 7, 2016 from 8am to 5pm MST

MEAL: CONTINENTAL BREAKFAST PROVIDED BY UA/CALS [8:00 – 8:30]

IV. Actionable Science: What Works, When, Where, and Why? Group sharing of lessons learned, building on last session from Tuesday. Within each program area, what can individuals and extension agents do to address climate change? (Panel session talks in program areas/Facilitated Group Discussion) [8:30 – 10:00] (Facilitator: Mark Walker)

- Youth and Family programs (10 min) (Martha Monroe)
- Natural resources: Water, floods and drought (10 min) (Ted Grantham or John Cobourn)
- Natural Resources: Fire, range, and forestry (10 min) (Susie Kocher)
- Agriculture (10 min) (Mark Battany)
- Urban Programs (master gardeners, xeriscape programs/water conservation, urban horticulture, etc.) (10 min) (Heidi Kratsch)
- Discussion (40 min)

V. How To Get Started Back Home (introduction) — [10:00 – 10:15]

Questions to prime the pump: program objectives that are good fits for climate adaptation/mitigation. This exercise will help participants come up with questions or comments to pose to the group (15 min) (Steve Lewis)

REFRESHMENTS: ICED TEA, LEMONADE, COFFEE & SNACKS PROVIDED BY UA/CALS
[Break: 10:15 to 10:30] 15 Minutes

VI. Lessons Learned in Climate Communications (Panel Session, Group Discussion) [10:30 to noon] (Facilitator: Steve Lewis; with Rob Davies, Chris Jones, Mike Crimmins, Martha Monroe, John Stevenson) (What is Extension's role in communicating climate information in a contested context and/or how to approach mitigation (carbon management) topics.

- How to address naysayers (use role-playing)
- Who can agents/specialists work with to get more info/put more projects into action?

- What is appropriate for communicating to different Extension audiences?
- Are some audiences more suited to mitigation education than others? Do some audiences require handling adaptation and mitigation differently?

MEAL: LUNCH PROVIDED by UA/CALS [Lunch: noon to 1:00]

Wednesday Afternoon

VII. Topical Breakouts I: Integrating Climate-Resilient Thinking into Program Areas
(World Café) [1:00 to 1:50] Assign people to groups based on their program areas.

- Youth and Family Programs (Martha Monroe, session VII only)
- Natural Resources: Water, floods and drought (Kathy Jacobs)
- Natural Resources: Fire, range, and forestry (Clay Trauernicht)
- Agriculture (Steve Lewis)
- Urban Programs (master gardeners, xeriscape programs/water conservation, urban horticulture, etc.) (Chris Jones)

[Break: 1:50 to 2:05] 15 Minutes

VIII: Topical Breakouts II: Same as VI, participants move to a second topic, facilitators remain in their rooms (World Café) [2:05 to 2:45] (same facilitators as above, minus Martha Monroe) (Facilitators/recorders for VII and VIII use networking break to prepare reports)

REFRESHMENTS: ICED TEA, LEMONADE, COFFEE & SNACKS PROVIDED BY UA/CALS; EXTENDED NETWORKING PERIOD
[2:45 to 3:25] 40 Minutes

IX: Summary reports from World Café Facilitators [3:25 to 4:15] (Facilitator: Kathy Jacobs)

X. Action Planning (brainstorming breakout session) [4:15 to 5 pm] What can I do when I get home? Participants discuss ways to structured work on identifying needs, resources, and barriers as a breakout group, using an idea sheet to identify initial steps for incorporating climate change into programs. (Facilitators: Steve Lewis (lead), John Cobourn (lead), Kathy Jacobs, Kerri Jean Ormerod, Caiti Steele/Julian Reyes)

- Initial steps
- Opportunities and barriers
- Needs and resources
- Volunteers share their ideas for incorporating climate science into local programming

[5:00pm Close of Day 2]

DINNER AND ACTIVITIES ON YOUR OWN

Day 3: Sessions 11-14: Thursday December 8, 2016 from 7:30am to 1pm MST
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MEAL: CONTINENTAL BREAKFAST PROVIDED by UA/CALS [***7:30*** – 8:00]

XI: Building a Strategy for a Southwestern Regional Network/Community of Practice [8:00 to 8:45] (10 min. intro, followed by panel response) (Facilitator: Mark Walker; Panelists: John Stevenson, Mike Crimmins, Jim Hollyer, Gregg Garfin). Theoretical discussion with focus on interstate or regional partnership building.

- What is the problem we hope to solve?
- What do we hope to accomplish with a Regional Network?
- What products could the Southwest Climate Hub provide?
- How do partners/states stay connected?
- Characteristics of successful interstate Extension Partnerships
- What is most needed that may require funding?

XII: Actions and Outcomes: Where to Next for the Partnership? (Plenary session with group brainstorming, sticky wall) (Steve Lewis, facilitator) [8:45 to 10:15] Possible topics:

- Strategies for building and expanding capacity
- What strengths should Extension build on?
- How to partner with existing, evolving, or disappearing climate efforts?
- Mechanisms to keep our partnership moving forward, planning future trainings, sharing lessons learned, etc. Interstate working groups by Program Area? Forums?
- Best uses for our new partnership website on the Climate Hub site
- Products: Proceedings, Report, etc.
- Lessons learned
- Scaling up and the path forward

REFRESHMENTS: ICED TEA, LEMONADE, COFFEE & SNACKS PROVIDED BY UA/CALS
[Break: 10:15 to 10:30] 15 Minutes

XIII: State groups convene together, assess what has been learned, steps they'll take going forward [10:30 to 11:10]

XIV: Concluding Session [11:15 to noon); Next steps in partnership/collaboration; summary of what has been accomplished/learned (Summary comments and suggestions from Mark Walker, Kathy Jacobs)

- What actions should we agree to take?
- Responsibilities and milestones: Who does what and timeline

MEAL: BOX LUNCH PROVIDED by UA/CALS

Working lunch: [12:00 to 1:00] Final thoughts on the conference, evaluations, next steps. Feedback on conference format and outcomes.

[1:00pm Close of Day 3 for participants needing to depart]

(Note: We welcome members of the planning committee, as well as any participants who are available to join us for a post-workshop debriefing and initial drafting of workshop report on Thursday afternoon, 2 to 4 pm.)