

Communicating Science – A State Climatologist Perspective

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American Association of State Climatologists

The screenshot shows the AASC website at stateclimate.org. The header includes the AASC logo and navigation links for About Us, Events, Members, Publications, and Data & Tools. The main content features a map of the United States where states are color-coded based on their climate office status. A legend on the map defines the colors: dark blue for states with ARSCO Designation, medium blue for states with a Climate Office, and light gray for states with no current Climate Office. The map also highlights Alaska and Hawaii separately. Below the map, the text "STATE MEMBERS" is displayed. To the right, a section titled "NEWS FROM AASC MEMBERS" lists four recent posts from "okmesonet". The posts are as follows:

- From okmesonet: Thanks @CarolinaWxGroup and @wx_chip. 10 hours 27 min ago.
- From okmesonet: Check out the KS Mesonet [@wx_chip](https://t.co/5AW7YugrgD). 10 hours 28 min ago.
- From okmesonet: CoCoRaHs observers are key us winter events. Reports from the field are key to knowing what the atmos is producing at the grnd. #okwx #kswx. 10 hours 30 min ago.
- From okmesonet: Fiebrich: There will be a quantum leap in benefits when mesonets go beyond the state boarders. That is when the data will b most useful #okwx. 10 hours 34 min ago.

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State Climatologists - requirements

- Data
- Services
- Education
- Applied Research
- Outreach – land grants



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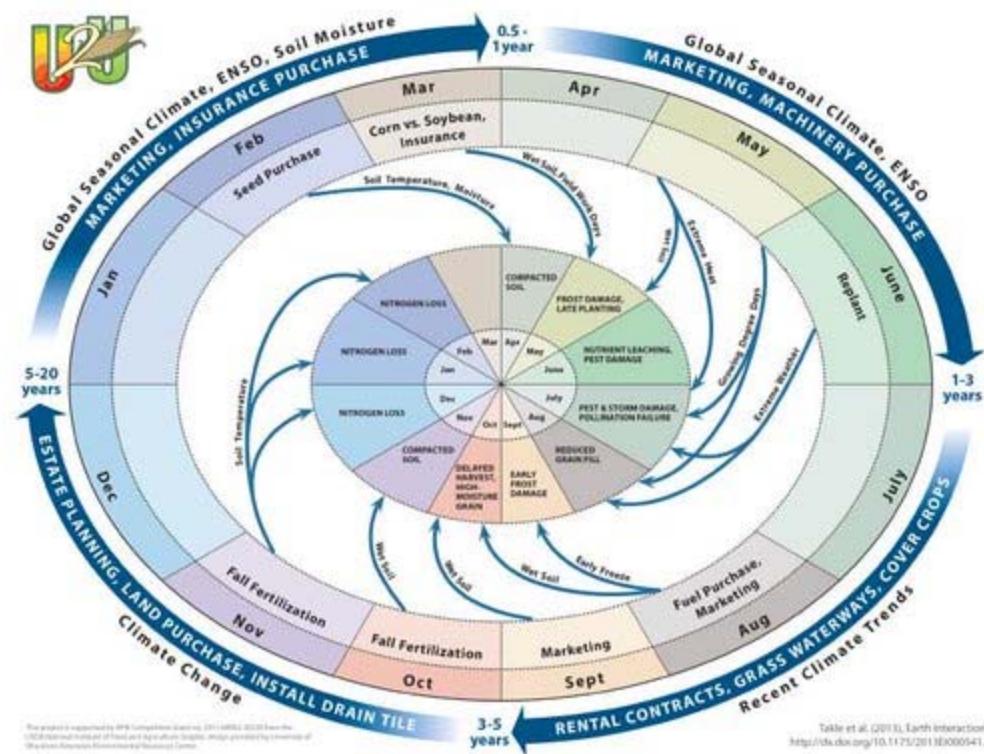
SCs- Trusted sources

- TV meteorologists – 74% cited access to state climatologist help on their reporting on climate change
- 85% cited state climatologists as a “trusted source”
- U2U surveys – influence farmers



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Decision vortex – connecting decisions to decision-makers



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Communication

- Outlook webinars
- Impacts
- Uncertainties
- Interpreting
 - Outlooks
 - Impacts

Central Region Climate Outlook
20 November 2014

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Sept. 11, 2014, Earliest Recorded Snow
in Rapid City, SD



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Climate changes

- How is it affecting you locally?
- Impacts of the changes
- Management changes – adaptation strategies....



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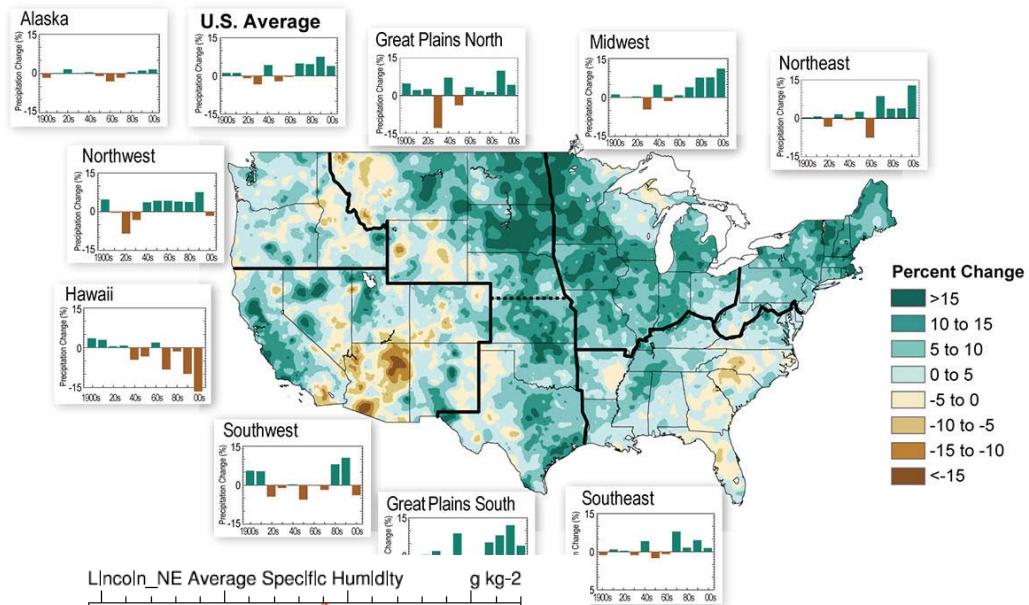
Partnering

- NOAA
- USDA
- Many others....
- NIDIS – DEWS in particular

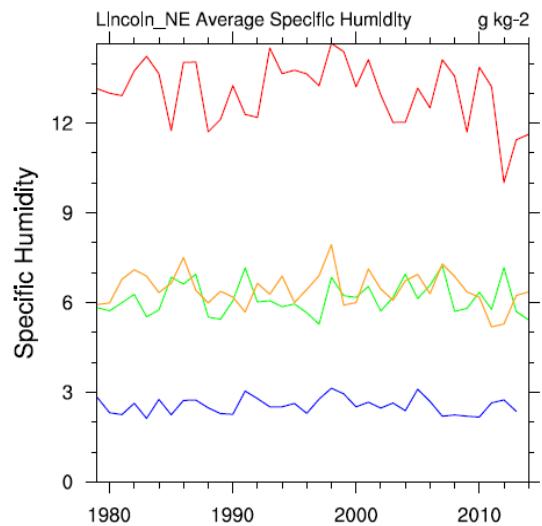
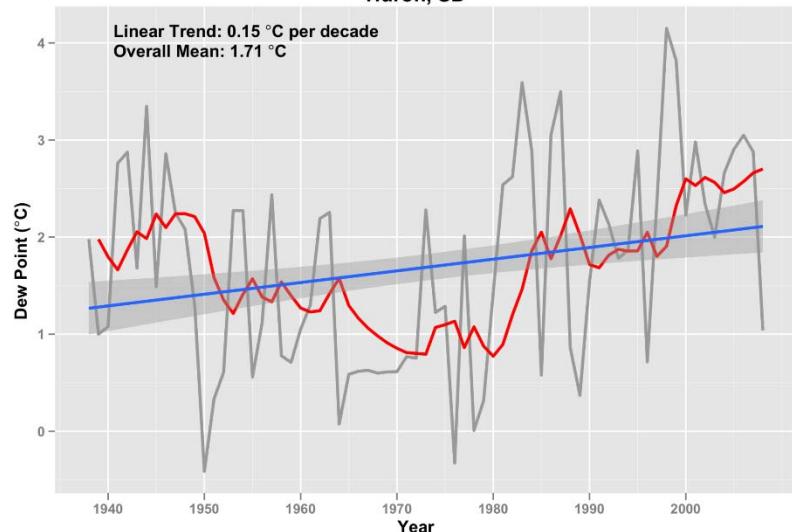


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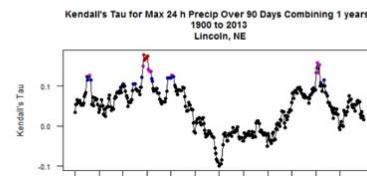
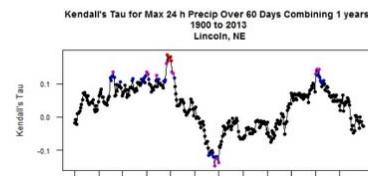
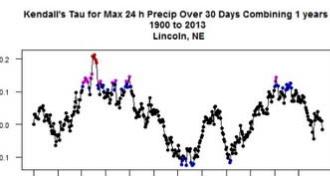
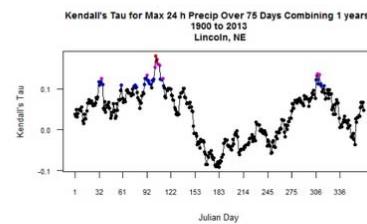
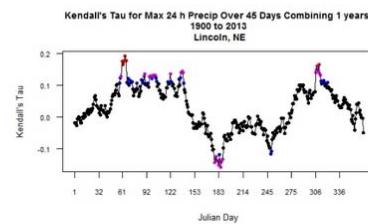
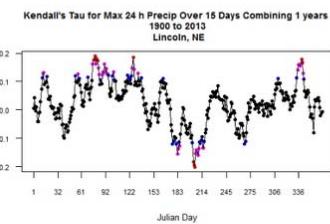
Observed U.S. Precipitation Change



Annual Mean Dew Point: 1938-2008
Huron, SD



Lincoln, Nebraska – 24 h



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Communicating

- Politicians
- Media
- Public



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Questions?

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