

Welcome to the next in the series of central US drought status and outlook webinars through the cooperation of several regional partners including NOAA/USDA/RCCs/SCs and several other partnering groups. These webinars are intended to provide a status update and present what we see as the most like directions weather/climate issues are going from here.

We are taking the opportunity to address some of the longer term weather and climate concerns in the central US to help you all plan a little better in the upcoming months. We hope to deliver information pertinent to your decision making needs. So thanks to those other agencies and organizations for your input to this presentation.

This Webinar is meant to be an overview of the current climate situation and what we may expect in the coming months. It is also meant primarily for stakeholders and partners in other agencies, tribes, state and local governments, universities and various interests from agriculture, water resources, natural resources and ecosystems.

### **General Information**

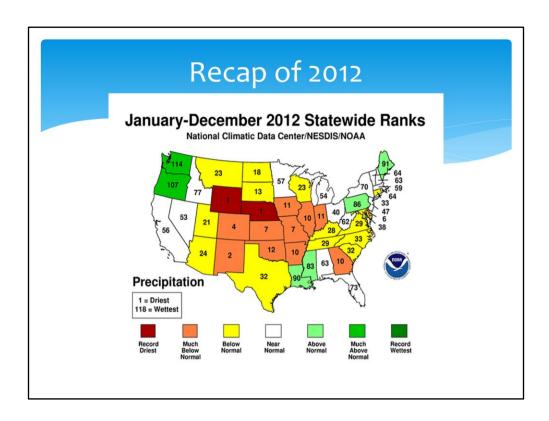
#### **Providing climate services to the Central Region**

- Collaboration with Jim Angel (Illinois State Climatologist),
  Doug Kluck (NOAA RCSD) and John Eise (Climate Service
  Program Manager), State Climatologists and the Midwest
  Regional Climate Center, High Plains Regional Climate Center,
  NOAAs Climate Prediction Center, National Drought
  Mitigation Center, Iowa State University
- \* Next Climate/Drought Outlook Webinar
  - \* February 21, 2013 (1 PM CST)
- \* Access to Climate/Drought Webinars and information
- \* http://mrcc.isws.illinois.edu/webinars.htm
- \* http://www.hprcc.unl.edu
- \* Operator Assistance for questions at the end

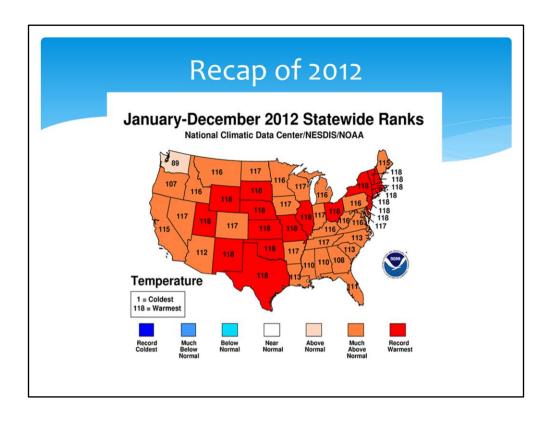
### Agenda

- \* Current conditions & historical context
- \* Current impacts
- \* Predictions
- \* Questions/Comments

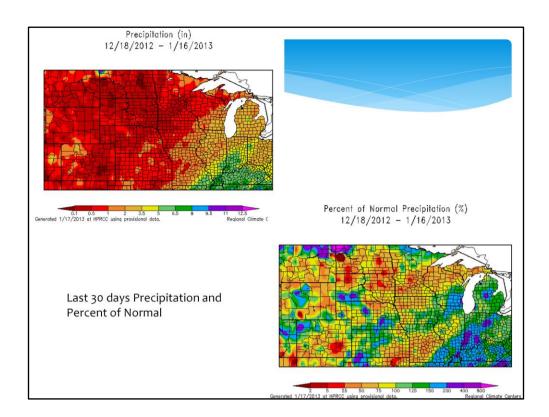
The structure of the webinars is to review current climate conditions and put them in some historical context. We will look back at what has led up to the situation we are in and then look ahead using the Climate Prediction Center Outlooks and Drought Monitor Outlooks.

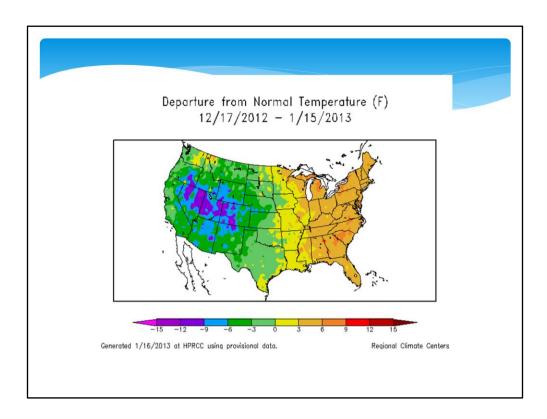


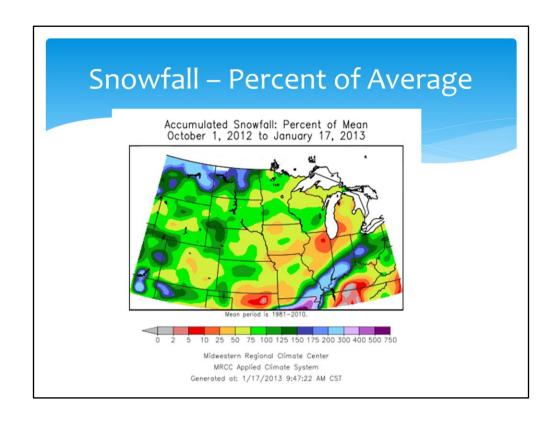
Precipitation averaged across the CONUS in 2012 was 26.57 inches, which is 2.57 inches below the 20th century average. Precipitation totals in 2012 ranked as the 15th driest year on record.

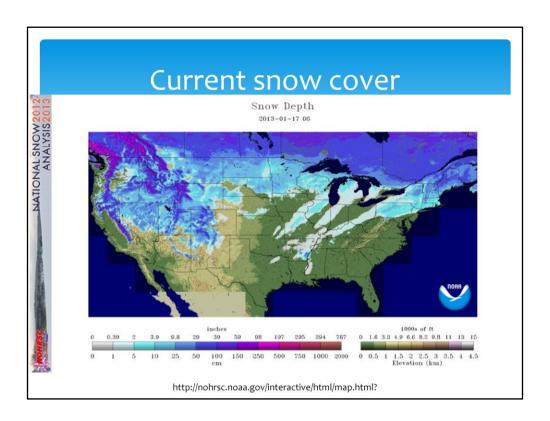


In 2012, the contiguous United States (CONUS) average annual temperature of 55.3°F was 3.2°F above the 20th century average, and was the warmest year in the 1895-2012 period of record for the nation. The 2012 annual temperature was 1.0°F warmer than the previous record warm year of 1998.

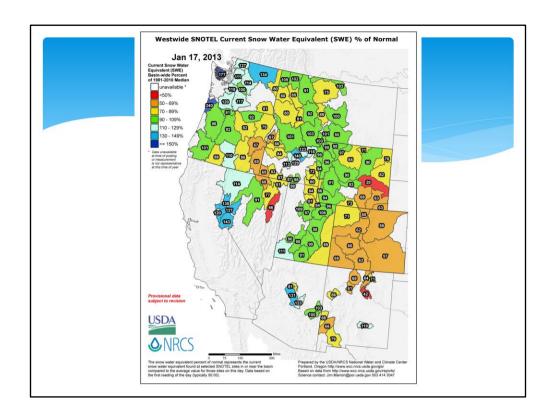


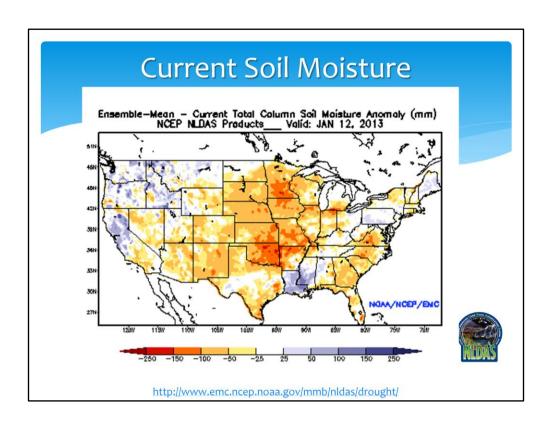


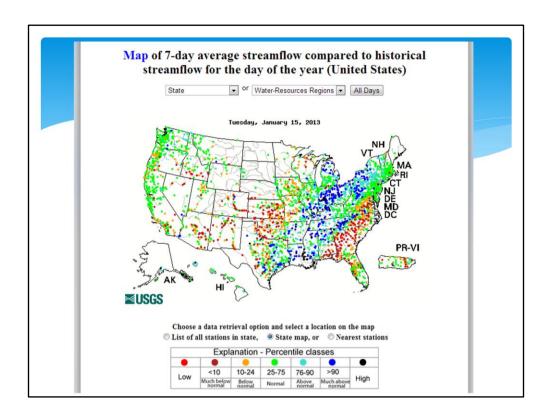


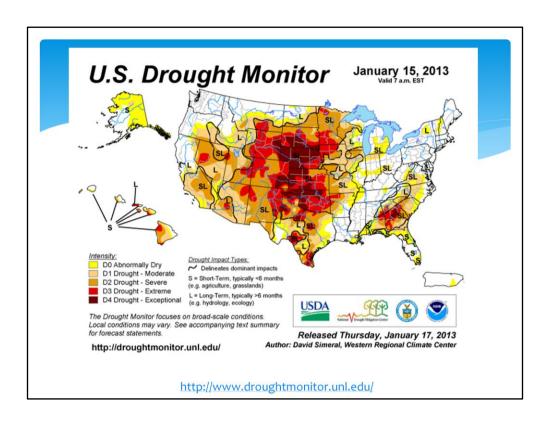


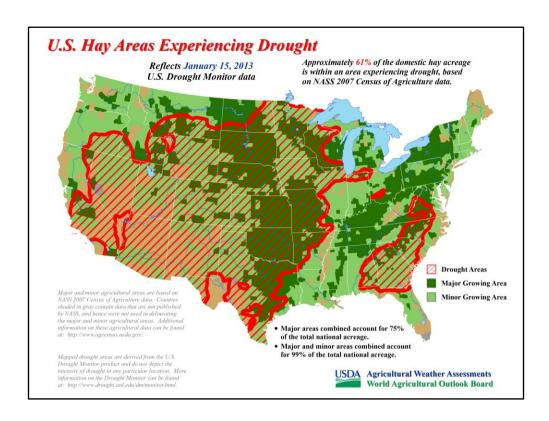
This plot is created by the NOAA group NOHRSC which uses various inputs (surface measurements, satellites, airplane flights and other information) to create this map.

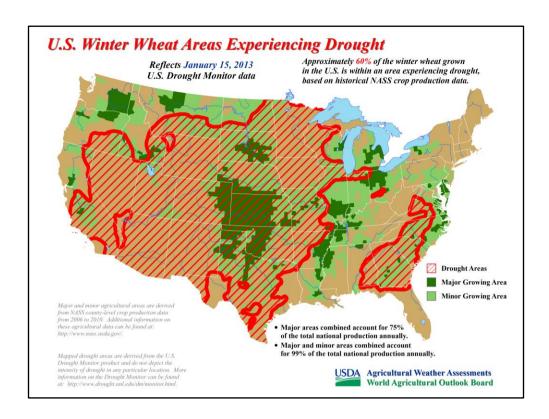


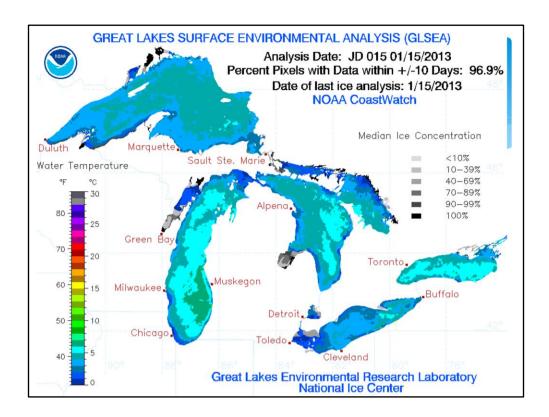








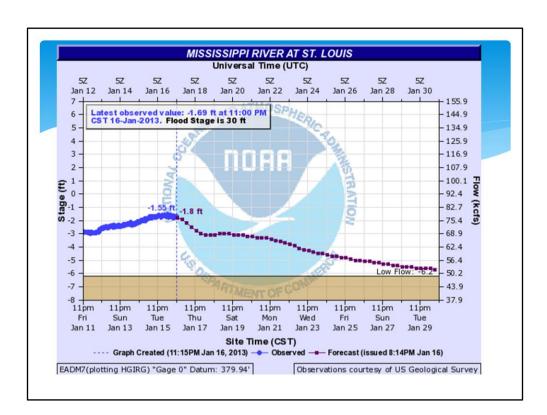




http://coastwatch.glerl.noaa.gov/cwdata/lct/glsea.png

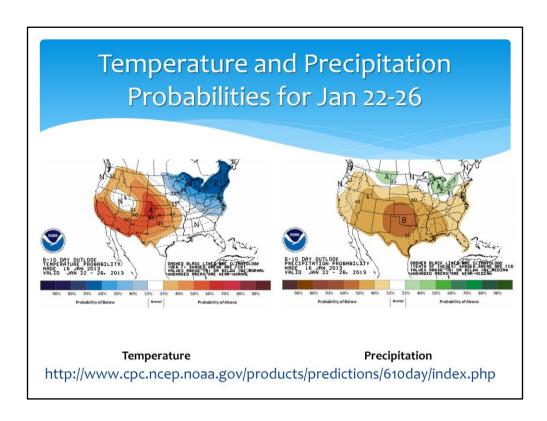


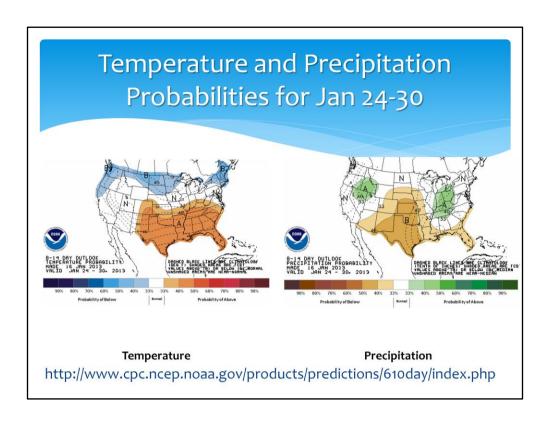
http://www.glerl.noaa.gov/data/now/wlevels/dbd/

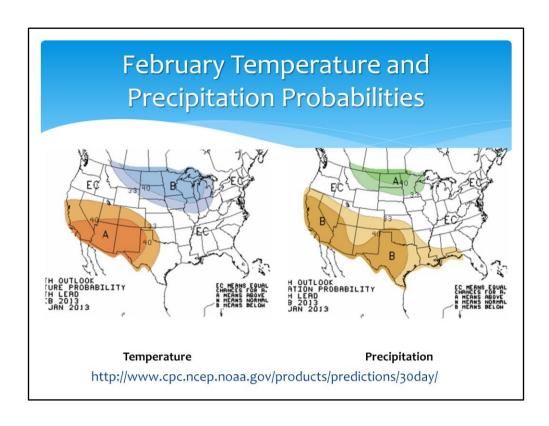


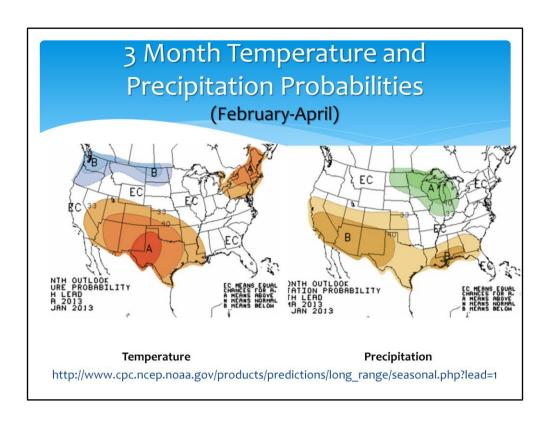
### Climate Outlooks

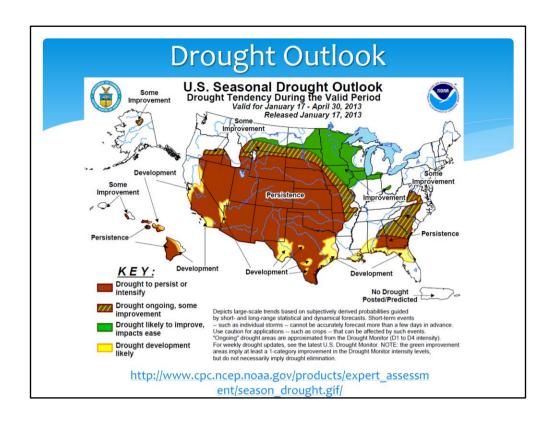
- \* 6-10 and 8-14 days out
- \* February
- \* 3 Months (February April)
- \* www.cpc.ncep.noaa.gov
- \* Drought Monitor Outlook
- \* Released Thursday 1/17/2013











### Summary

#### \* Current Conditions

- \* Improved conditions in the eastern half of Corn Belt
- \* Lack of recovery still in the Plains generally
- \* Snow drought in some Plains and Midwestern states

#### \* Predictions

- \* February colder and wetter in the upper Plains
- \* 3-month colder in Dakotas and Montana, warmer in Colorado and Kansas
- \* 3-month wetter in upper Midwest/Great Lakes region
- \* Drought improvement in IL, IA, WI, MN, ND; persist in MO, KS, NE, CO, WY

#### **Further Information - Partners**

#### **Today's Recorded Presentation:**

http://mrcc.isws.illinois.edu/webinars.htm

http://www.hprcc.unl.edu

- NOAA's National Climatic Data Center: www.ncdc.noaa.gov
  - Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- · Climate Portal: www.climate.gov
- U.S. Drought Portal: www.drought.gov
- National Drought Mitigation Center: http://drought.unl.edu/
- State climatologists
  - \* http://www.stateclimate.org
- Regional climate centers
  - \* http://mrcc.isws.illinois.edu
  - \* http://www.hprcc.unl.edu

We will load the recorded Webinar as quickly as we can at the web site mentioned on this slide.

Several other links are included here as were emailed after the webinar last month.

### Thank You and Questions?

- \* Questions:
  - \* Climate:
  - \* Dennis Todey: dennis.todey@sdstate.edu, 605-688-5678
  - \* Doug Kluck: doug.kluck@noaa.gov, 816-994-3008
  - \* John Eise: john.eise@noaa.gov, 816-268-3144
  - \* Mike Timlin: mtimlin@illinois.edu; 217-333-8506
  - \* Natalie Umphlett: numphlett2@unl.edu; 402-472-6764
  - \* Brian Fuchs: bfuchs2@unl.edu 402-472-6775
  - \* Jim Angel: jimangel@illlinois.edu; 217-333-0729
  - \* Weather:
  - \* crhroc@noaa.gov

Thank you for coming everyone. What questions do you have at this point?

I/We would like your feedback on the Webinar and it's worth to you. Please do not hesitate to email your suggestions or questions to me at dennis.todey@sdstate.edu or doug.kluck@noaa.gov. We will be doing a more formal survey and evaluation. That is in process currently.

We will now open it up to questions





# National Disaster Recovery Framework

Strengthening Disaster Recovery for the Nation September 2011

- **✓** Collaboration
- **✓** Coordination
- **✓** Communication





Sec. Vilsack: "Resources are limited, so we will have to be smart."



The goal of the this new framework and these meetings is to make sure the full resources of the federal government are brought to bear...(from A to V) from Agriculture to Veterans Affairs...and that communication isn't a barrier.



# **5 Main Focus Areas**



- ✓ Water
- ✓ Research
- ✓ Regulations
- √ Forecasting
- √ Policy

"If we think Creatively and Comprehensively, there isn't a problem we can't solve."

-Secretary of Agriculture,

**Tom Vilsack** 

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### Drought Leaves Cracks in Way of Life



For Wayne Boschert and his wife, the drought has meant no room for luxury. They have canceled the trip to St. Martin that they take every January.

By JOHN ELIGON Published: October 3, 2012



- ✓ Adapt
- **√**Adopt
- **✓** Accept Change

"We must take Change by the hand, for if we don't, it most assuredly will take us by the throat."

-Winston Churchill

# **Actions In Action**

✓ Pilot Program by NRCS

...to remove sediments from ponds to help provide more water for livestock or irrigation (Kansas & Colorado)







✓ MOU with Department of Commerce (NOAA) ...to improve sharing of data and expertise, monitoring networks and drought forecasting efforts

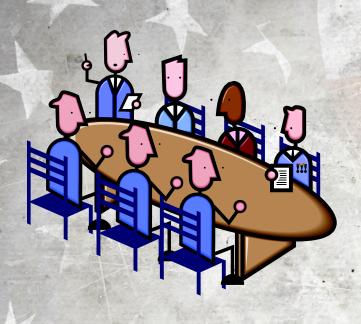


# Recovery Support Functions (RSF) created within the National Disaster Recovery Framework:

- ✓ Community Planning & Capacity Building (FEMA)
- ✓ Economic (EDA)
- ✓ Health & Social Services (HHS)
- √ Housing (HUD)
- ✓ Infrastructure (Army Corps)
- ✓ Natural & Cultural Resources (DOI)



The RSFs bring together the Federal departments & agencies & other supporting organizations- including those not active in emergency response-to focus on recovery needs.





- **√** Agriculture
- **√** Commerce
- **✓ Education ✓ Interior**

- **√Energy**
- **√HUD**
- **✓ Defense ✓ Homeland Security**

- **√** Labor
- **√** State
- **✓** Transportation
- **✓** Treasury



# **National Disaster Recovery Framework**

Strengthening Disaster Recovery for the Nation September 2011

- ✓ Collaboration
- **✓** Coordination







ient precipitation over winter, drought will be an issue in spring



BY STEVE TARTER

Ithough memories of the hot, dry summer are fading. for farmers the drought is not over:

"We need subsoil moisture. Our drought really started in the fall of 2011," said Richard Burns, a regional sales manager for Burrus Seed who lives in Kickapoo with wife, Colleen Callahan, Illinois director for USDA's Rural Development agency. "We have 2,400 counties in this country that suffered drought conditions this year. That's out of 3,300 nationally."

Patrick Kirchhofer, manager of the Peoria County au, is also looking for rain "It's still dry in many areas

This year's hot, dry summer produced what one farmer called the worst year for corn since 1988

## Mississippi River depth a concern

orps continues to deny requests to add water from Missouri River

The Army of Engineers has back requests by lawmakers and the operators to release vater from the Misiri River, believing the River it feeds still will in open to shipping industry, however, arns that the situation is owing increasingly dire. Army Assistant Secrey Jo-Ellen Darcy, in a



This photo provided on Wednesday by The U.S. Coast Guard shows activity in the port of Saint Louis, one of America's busiest ports, which sees large amounts of coal, petroleum gricultural goods. In a letter obtained by The

any consequences for

Mississippi. "She believes relea water could threaten

The Missi St. Louis was ar



# **Contact Information**

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http://www.usda.gov/wps/portal/usda/usdahome?navid=DISASTER\_ASSISTANCE