United States Department of Agriculture
Midwest Climate Hub

2016 and What's Up for 2017

USDA Midwest Climate Hub

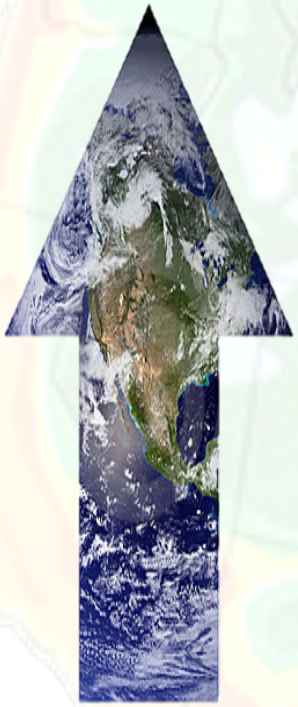
Dennis Todey
Director, Midwest Climate Hub
National Laboratory for Agriculture and the Environment
2110 University Blvd
Ames, Iowa 50011
515-294-2013
Dennis.todey@ars.usda.gov

The Climate Hubs

Regional Climate Hubs are providing **Information and Tools** to **Decision Makers** to **Build Resilience** to climate variability.

USDA
United States Department of Agriculture
Midwest Climate Hub

The Need for Climate Hubs



- Increasing climate variability
- An increase in number and intensity of extreme events
- Changing trends in climate and weather
- Added stress that to agriculture and the natural resources

The More you Know…
Information Leads to Action

Vision and Mission of Climate Hubs

Vision

Agricultural production and natural resources maintained and strengthened under increasing climate and environmental change

Mission

1. Develop and deliver science-based, region-specific information and technologies to agricultural and natural resource managers;
2. enable climate-smart decision-making; and
3. direct land managers to USDA agency programs and regional partners to build resilience to climate change.

Midwest Climate Hub: Objectives

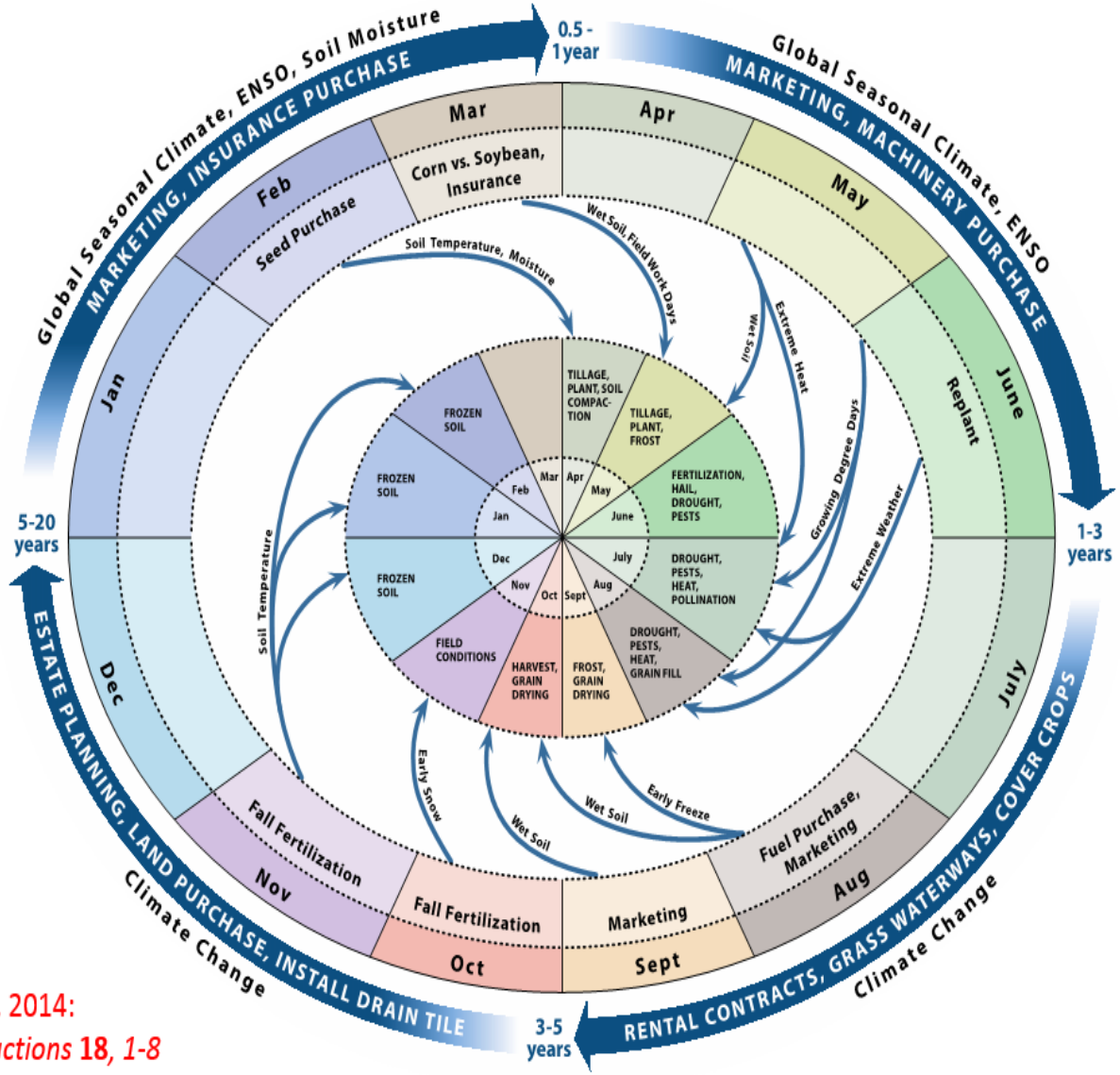
1. Assemble research information on crop and livestock production systems across the Midwest to determine their response to weather and climate variation;
2. Assemble research information on soil and water resources of the Midwest to determine the natural resource response to weather and climate variation;
3. Conduct stakeholder meetings with different commodity groups to gather information on their potential use of weather and climate information in agricultural decision making;
4. Partner with research, education and extension to develop strategies for the identification of adaptation tools and delivery of information to producers and agribusiness across the Midwest; and
5. Provide information to producers which will increase climate resilience of agricultural systems across the Midwest.

Midwest Climate Hub: Vulnerabilities in the Midwest

Link actionable information and users together to protect and enhance the natural resources of soil, water, and air.

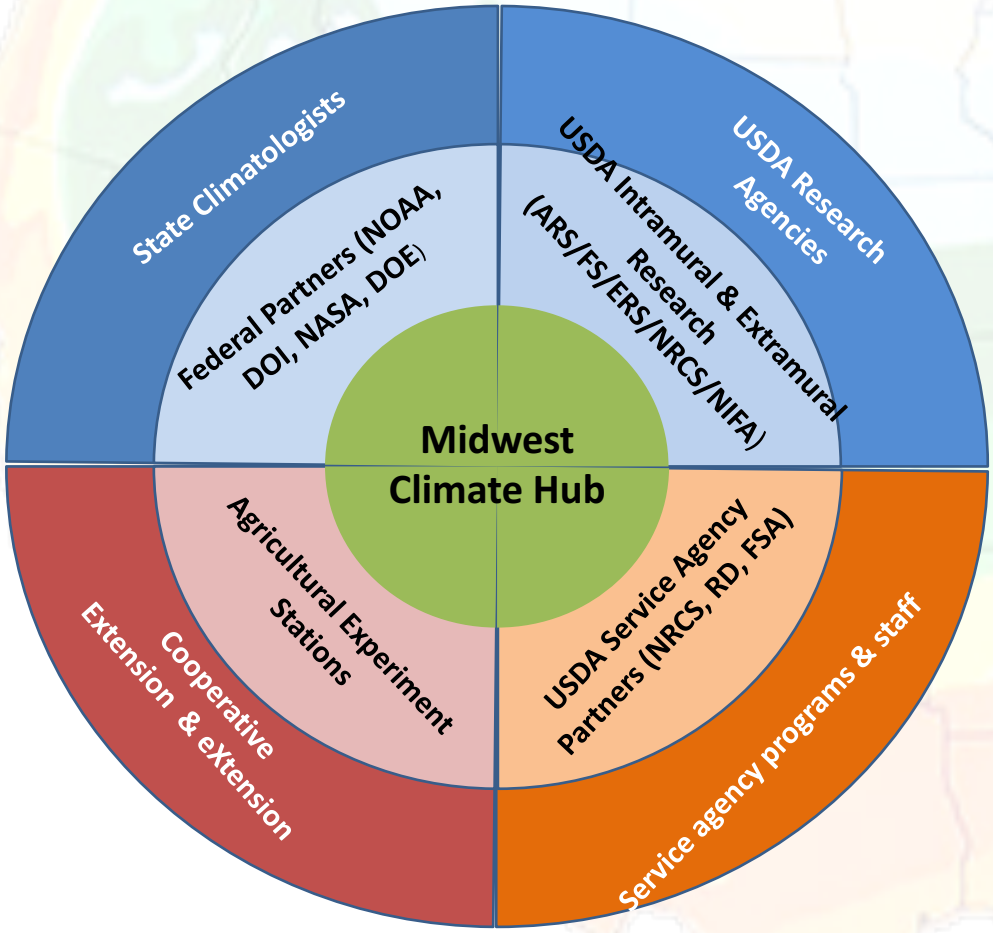
→ Integrate information to deliver solutions to producers through a variety of outlets

Midwest Corn Growers' Decision Calendar



Takle, et al., 2014:
Earth Interactions **18**, *1-8*

Midwest Climate Hub:
Increasing the efficiency of Information Flow



GlobalChange.gov
U.S. Global Change Research Program

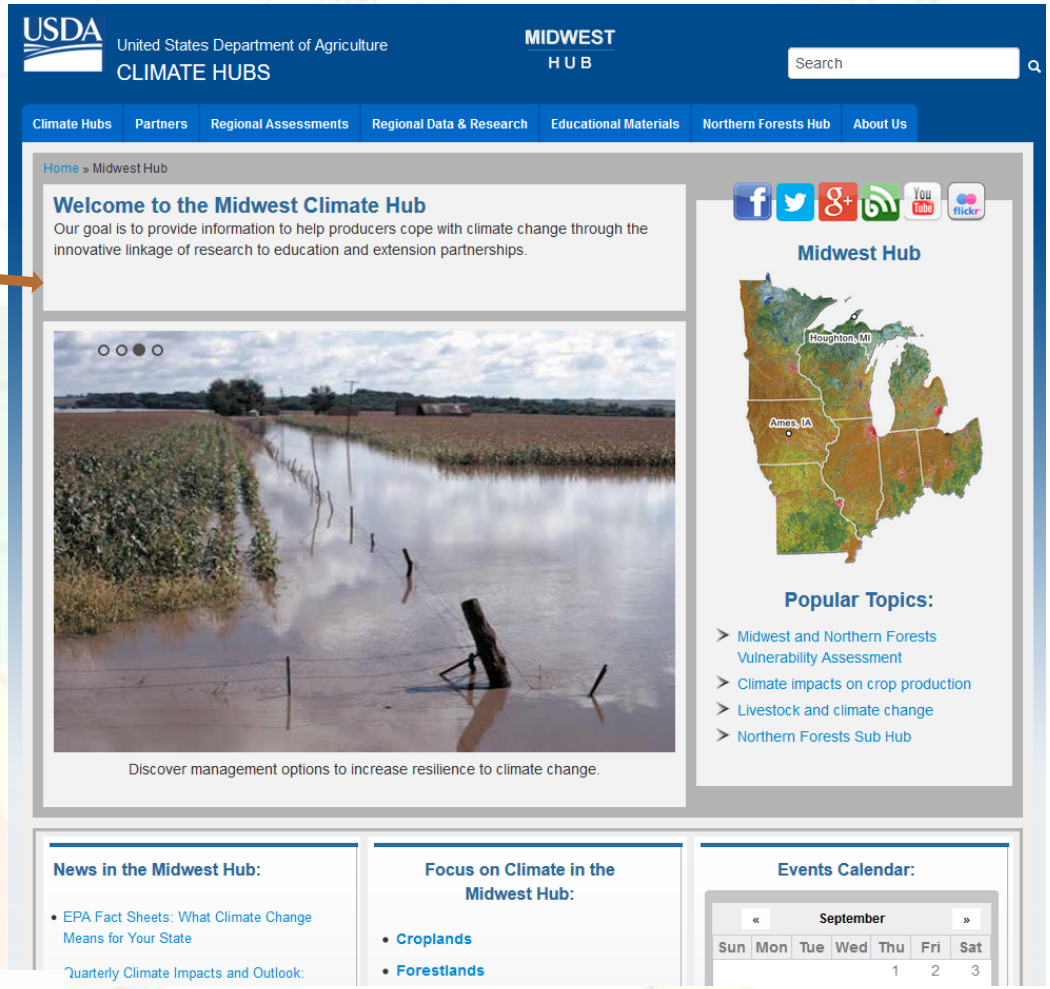
U.S. Climate Resilience Toolkit | Partner

DATA.GOV
CLIMATE

U.S. National Climate Assessment

USDA
United States Department of Agriculture
Midwest Climate Hub

Keeping Up-to-Date with the Midwest Climate Hub



Climate Hubs Website
www.usda.gov/climatehubs

Get on our email list

For more Information on the Midwest Climate Hub

Dennis Todey
515 294-2013
Dennis.Todey@ars.usda.gov
Facebook: Midwest Climate Hub
Twitter @dennistodey

National Laboratory for Agriculture and the Environment
Attn: Midwest Climate Hub
1015 N University Blvd
Ames, Iowa 50011-3611

USDA
United States Department of Agriculture
Midwest Climate Hub