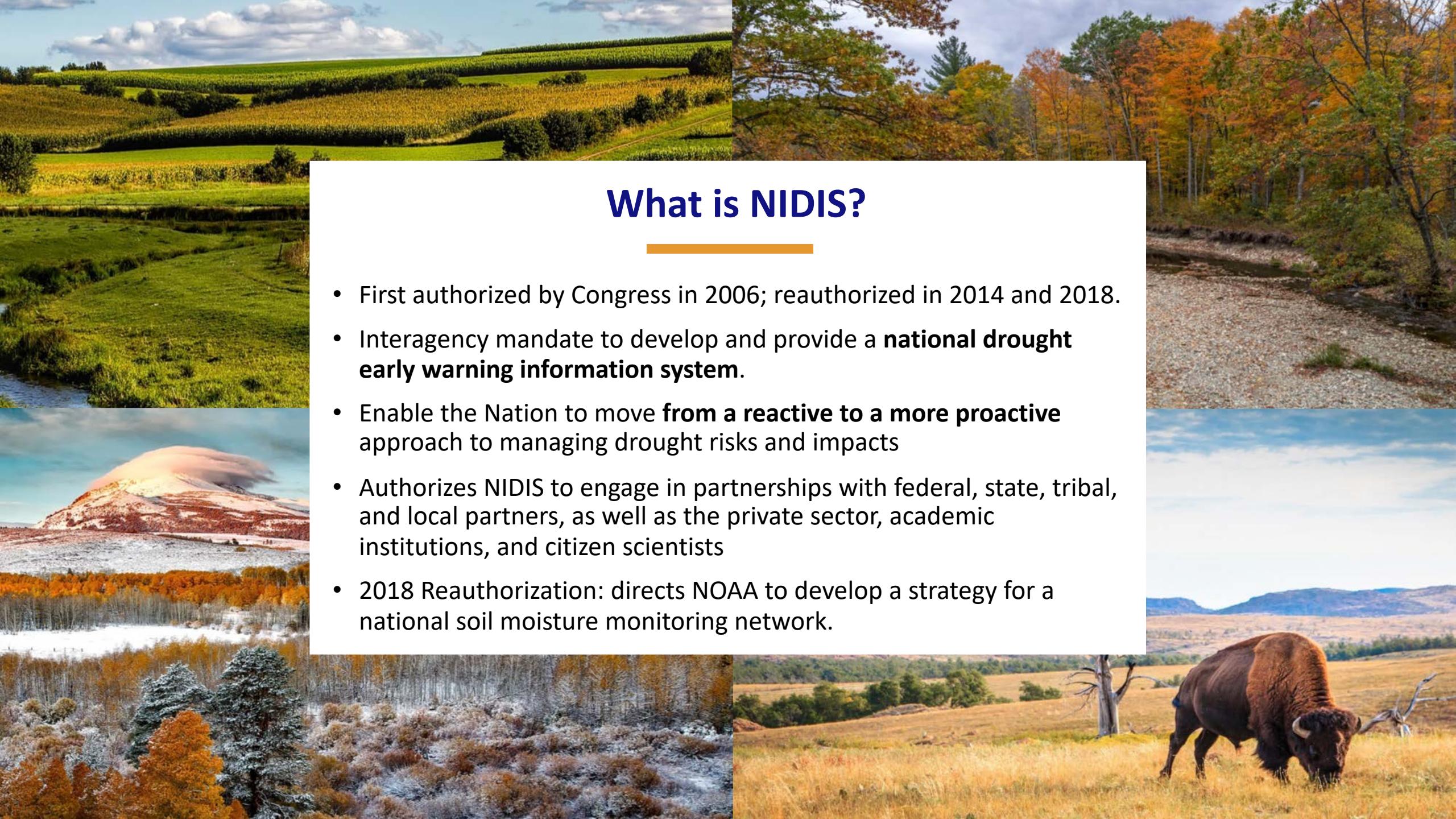


Update for the National Integrated Drought Information System

Advancing Drought Science and Preparedness Across the Nation

WERA 1012 Virtual Meeting
Molly Woloszyn | May 18, 2021



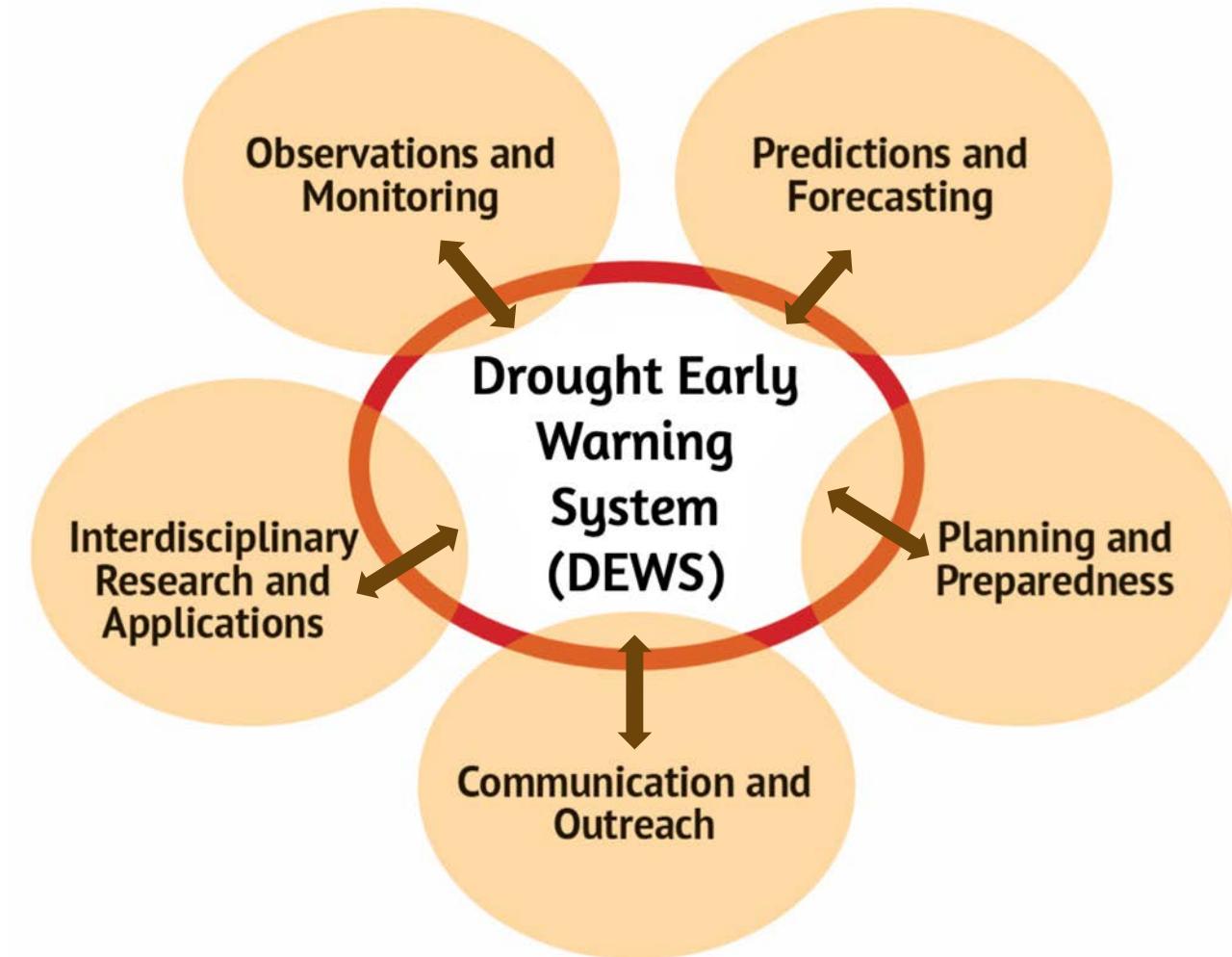
What is NIDIS?

- First authorized by Congress in 2006; reauthorized in 2014 and 2018.
- Interagency mandate to develop and provide a **national drought early warning information system**.
- Enable the Nation to move **from a reactive to a more proactive** approach to managing drought risks and impacts
- Authorizes NIDIS to engage in partnerships with federal, state, tribal, and local partners, as well as the private sector, academic institutions, and citizen scientists
- 2018 Reauthorization: directs NOAA to develop a strategy for a national soil moisture monitoring network.

APPROACH

Drought Early Warning

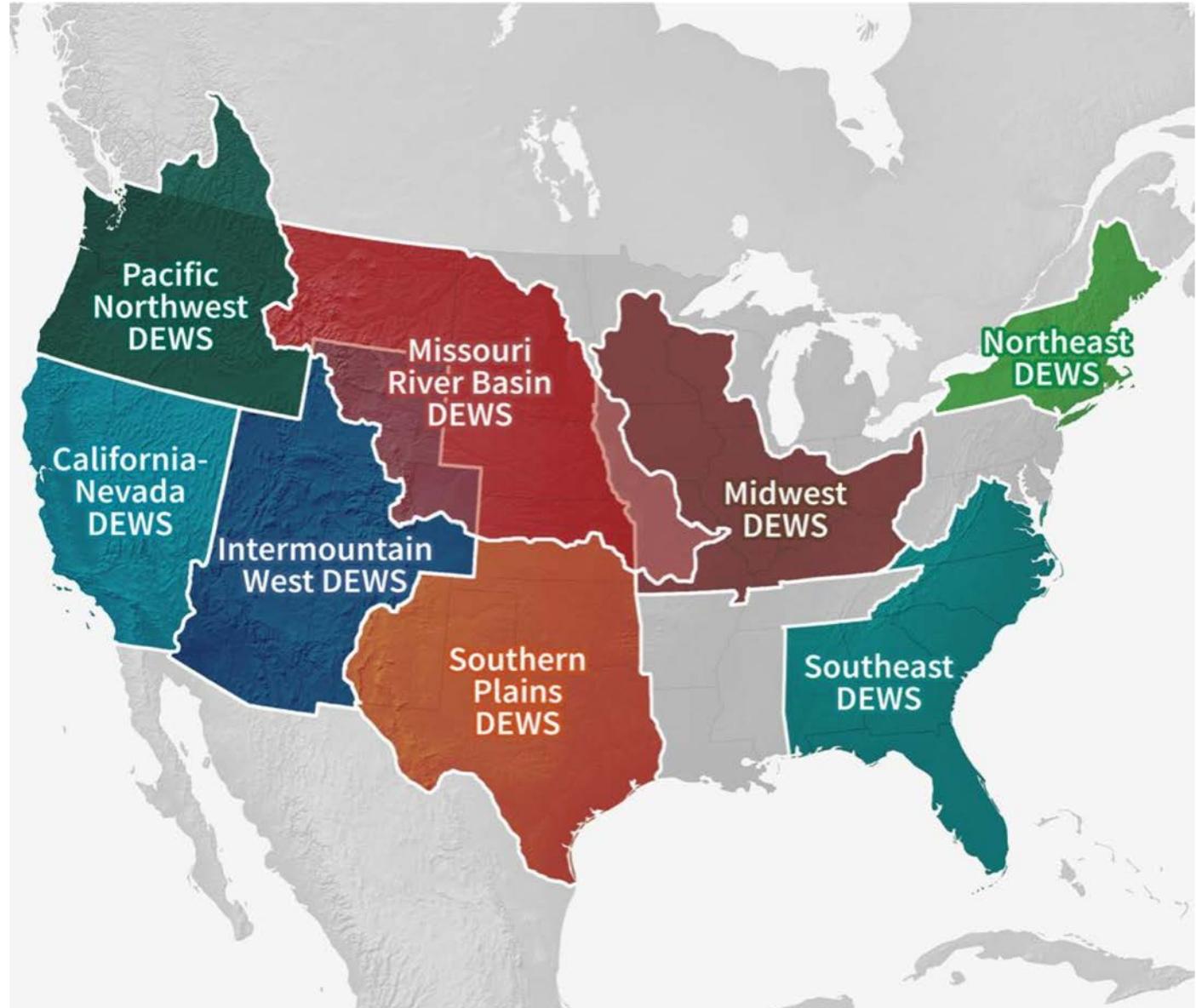
“Provision of timely and effective information that allows individuals exposed to a hazard to take action to avoid or reduce their risk and prepare for effective response.”



REGIONS

Drought Early Warning Systems

A Drought Early Warning System (DEWS) utilizes new and existing networks of federal, tribal, state, local and academic partners to make climate and drought science accessible and useful for decision makers.



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An official website of the United States government [Here's how you know](#)

NIDIS Drought.gov
National Integrated Drought Information System

Data and Maps ▾ By Sector ▾ By Location ▾ Research and Learn ▾ About ▾ News + Events

FEATURED NEWS AND ARTICLES

2020 in Review: A Look Back at Drought Across the U.S. in 12 Maps

Snow Drought Update: January 14, 2021

Ecological Drought Webinar Series

How is drought affecting your neighborhood? Enter city or zip code

Advancing Drought Science and Preparedness Across the Nation

The National Integrated Drought Information System (NIDIS) is a multi-agency partnership that coordinates drought monitoring, forecasting, planning, and information at national, tribal, state, and local levels.

Drought.gov Redesign

Launched January 2021

- Up-to-date drought conditions from the city and county level to across the globe
- Interactive maps and data that show drought in new ways, including historical drought information (up to 2,000 years)
- Research and Learn section where you can “go back to the basics” on drought



NIDIS In Action Across the U.S.



**Tribal
Engagement**



**Soil Moisture
Monitoring**



**Drought & Human
Health**



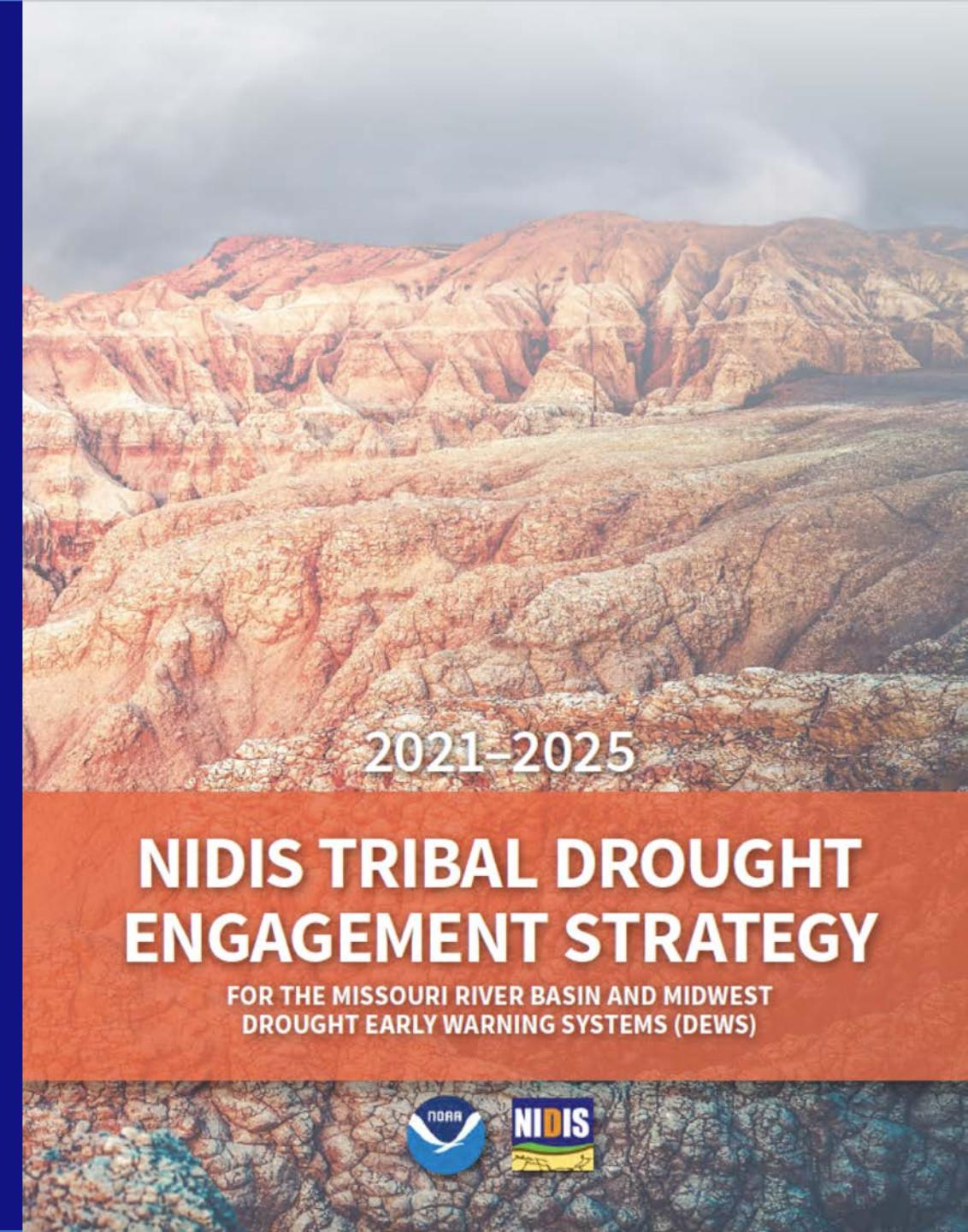
**Drought &
Wildfire**

NIDIS Tribal Drought Engagement Strategy: 2021-2025

Key tribal engagement activities to implement in 2021 and beyond

Presents *Guiding Principles of Engagement*

Integrating tribal perspectives into NIDIS' work is important to ensure tribal nations are equal partners in responding to drought

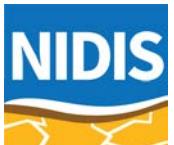


National Coordinated Soil Moisture Monitoring Network

- NCSMMN mission is to provide “... coordinated, high-quality, nationwide, soil moisture information for the public good.”
- **NCSMMN is a network of people...**
 - Partnering agencies at federal and state levels
 - Research & end user community: 150 members+
- **Next Steps**
 - NOAA Approval of NCSMMN Strategy
 - End User Listening Sessions
 - Measuring in forested lands



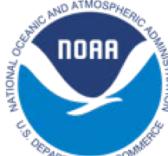
Marina Skumanich | NCSMMN
Program Specialist
Marina.Skumanich@noaa.gov



Drought & Human Health Activities



- Support **research and communication** of linkages
- Hosted a 2019 National Public Health Summit
- Host a series of **Regional Drought & Public Health Workshops**
 - Past workshops: California, Minnesota, Arizona, Carolinas (virtual)
 - Upcoming: Missouri River Basin and Pacific Northwest
- **Survey** of PH experts and state climatologists to assess gaps/needs
- All informing a **NIDIS Drought and Public Health Strategy**



NIDIS Drought and Wildfire Nexus (NDAWN) Strategy



- Rooted in developing partnerships and collaboration with the wildland fire management community.
- Goals:
 - Address the challenges fire managers face
 - Establish a robust drought and wildland fire decision-support information network
- Convened 8 workshops, presented to fire practitioners at 8 conferences, and interviewed 15 fire weather forecasters on the impacts of drought on wildfire planning, behavior, and post wildfire response.



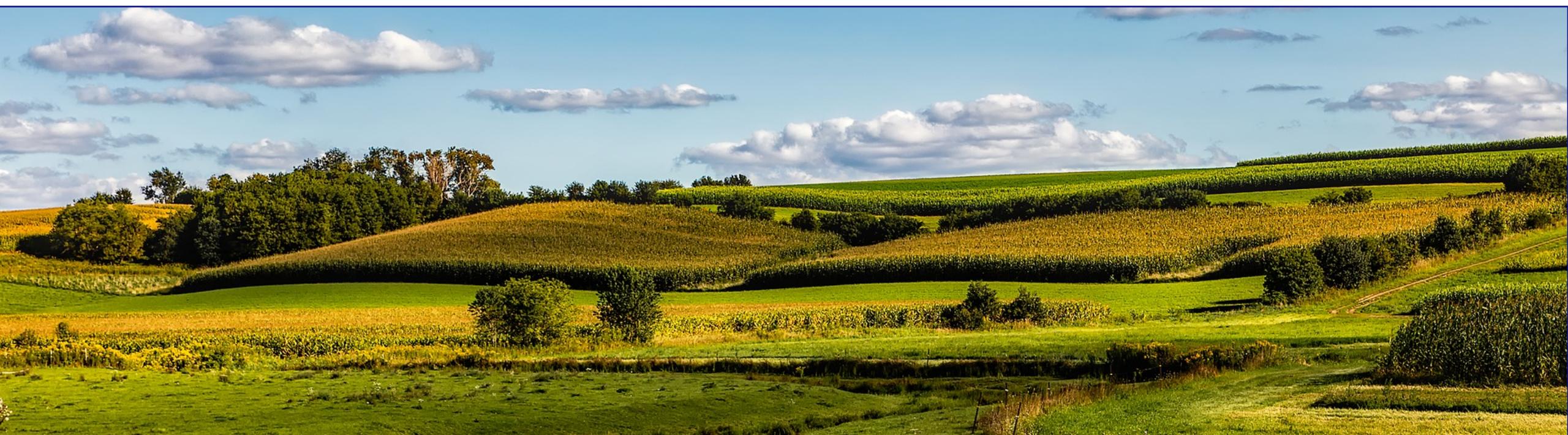
Western Regional
Climate Center



Thank You!



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