



Climate Program Office Review

May 24-26, 2022

Pre-Recorded Presentation
Supporting Review Activity Area

National Integrated Drought Information System (NIDIS)

Veva Deheza, Executive Director, NIDIS

NOAA/OAR/CPO

Overview



Purpose: To demonstrate the quality, relevance, and performance of NIDIS in support of CPO and our Nation.

Context: NIDIS is an integrated information system that delivers timely and relevant drought early warning information to help communities assess the potential for drought and better prepare for, mitigate, and respond to the effects of drought.



- Authorized by Congress in 2006 and reauthorized in 2014 and 2019 with strong bipartisan support.
- Develop and provide a national drought early warning information system.
- Enable the Nation to move from a reactive to a proactive approach to drought risk management.
- Engage in partnerships and consultation with Federal, tribal, state, and local partners, as well as the private sector, academic institutions, and citizen scientists.
- \$13.5 million authorization of annual appropriations.
- 13 NIDIS Program Office staff across NOAA (3), CIRES (9), UCAR (1).

About NIDIS, cont.



In order to make informed decisions, water users and resource managers need credible, localized, and readily accessible drought information describing current and forecasted drought conditions and impacts.



**8 Regional Drought
Early Warning Systems
(DEWS)**



**Drought Prediction
and Forecasting**



**Integrated Research
and Monitoring**



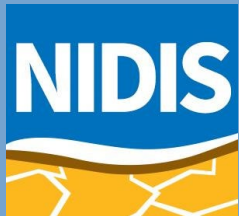
**Drought Planning and
Preparedness**



**Collaboration with Existing
Programs and Partners**



**The U.S. Drought Portal
(www.drought.gov)**



New Perspectives 2006-2022



2022

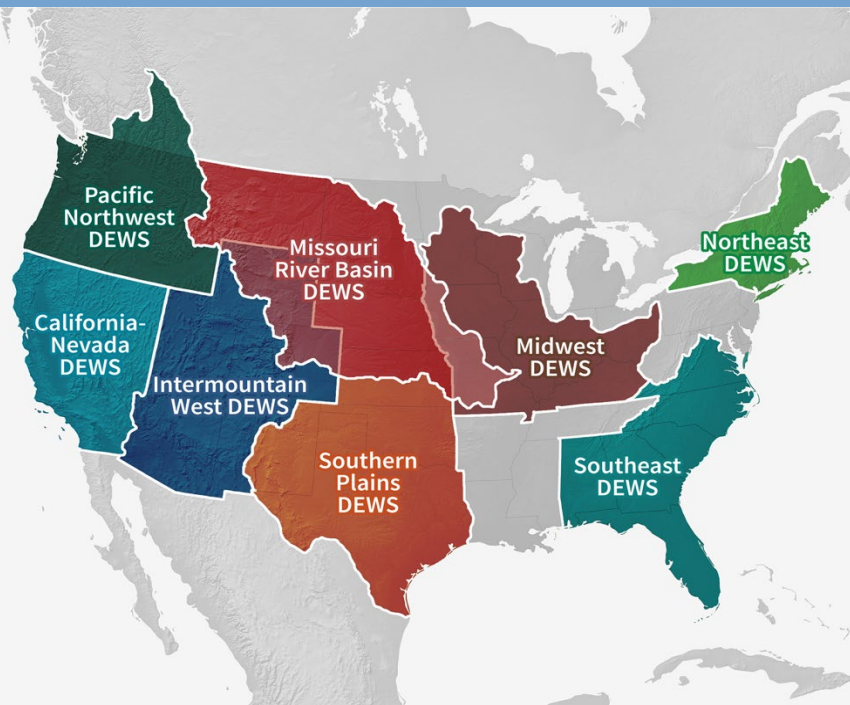
Towards a National Drought Early Warning System

2014

Multi-regional, Multi-hazard Drought Information

2006

Regional Stakeholder-led Ground-Up Approach

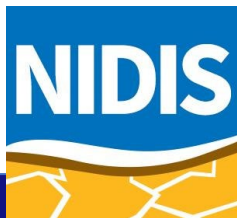


Our Measurable Impact

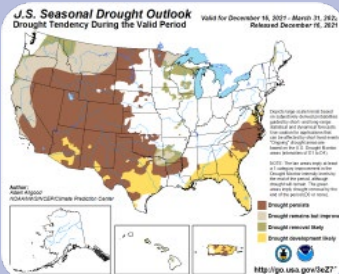


38	U.S. States Served by a Regional DEWS
13,920	Regional DEWS Stakeholders
47	Research Projects/Resource Developments ongoing/completed
88	Webinars and Virtual Workshops (in 2021)
10K	Twitter Followers
8.8M	Tweet Impressions (in 2021)
2,096	Facebook Followers
479	YouTube Subscribers
21,318	YouTube Videos Views (in 2021)
4,015	NIDIS Biweekly Newsletter Dry Times Subscribers

Key Accomplishments (FY17-21)



NIDIS Supports Quality and Usable Research, Products, and Tools that Deliver Earlier Warning of Drought



Subseasonal to Seasonal Drought Prediction



U.S. Drought Portal

2017 U.S. NORTHERN PLAINS DROUGHT EVOLUTION



Post- Drought Assessments



Coping with Drought Research Competition

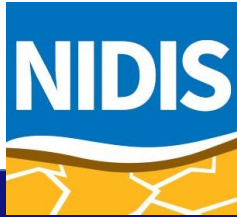


NOAA DROUGHT TASK FORCE REPORT ON THE 2020-2021 SOUTHWESTERN U.S. DROUGHT

NOAA Drought Task Force *

*With CPO MAPP program

Key Accomplishments (FY17-21)



NIDIS Delivers Timely, Relevant Drought Information to Decision-Makers Across Disciplines



Drought and
Wildfire



Communication
During
Drought



Drought and
Human
Health

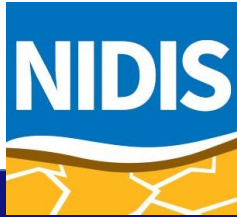


Tribal
Engagement
Strategy



National
Coordinated
Soil Moisture
Monitoring
Network

Key Accomplishments (FY17-21)



NIDIS Performs Regular, Iterative Consultation and Planning to Strengthen Drought Resilience



NIDIS
Implementation
Plan



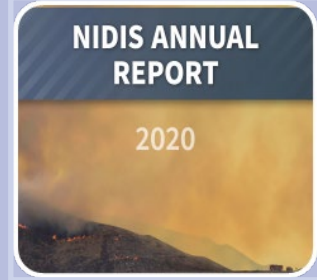
Regional
DEWS
Strategic
Planning



NIDIS
Consultation



National
Drought
Forum



Annual
Reporting and
Evaluation

Leadership on Drought Science and Preparedness

Meeting Decision-makers
Where They Are

Coordinating and
Convening Across
Government and Sectors

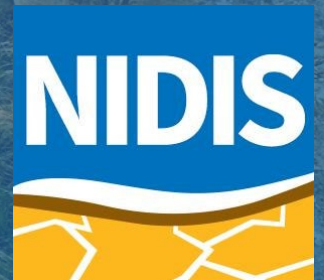
Delivering Timely and
Relevant Information and
Services

**National
Drought
Early
Warning
System**

Strategic Lookahead



- Build out the National DEWS
- Enhancing Drought Monitoring and Forecasting
- Drought and Climate Change in the Western United States
- Drought Vulnerability and Underserved Populations
- Cost of Drought
- Localized, Targeted Drought Information



Thank You



@DroughtGov



@DroughtGov



**National Integrated Drought
Information System**



(NIDIS) - NOAA Service Account

