

National Drought Mitigation Center

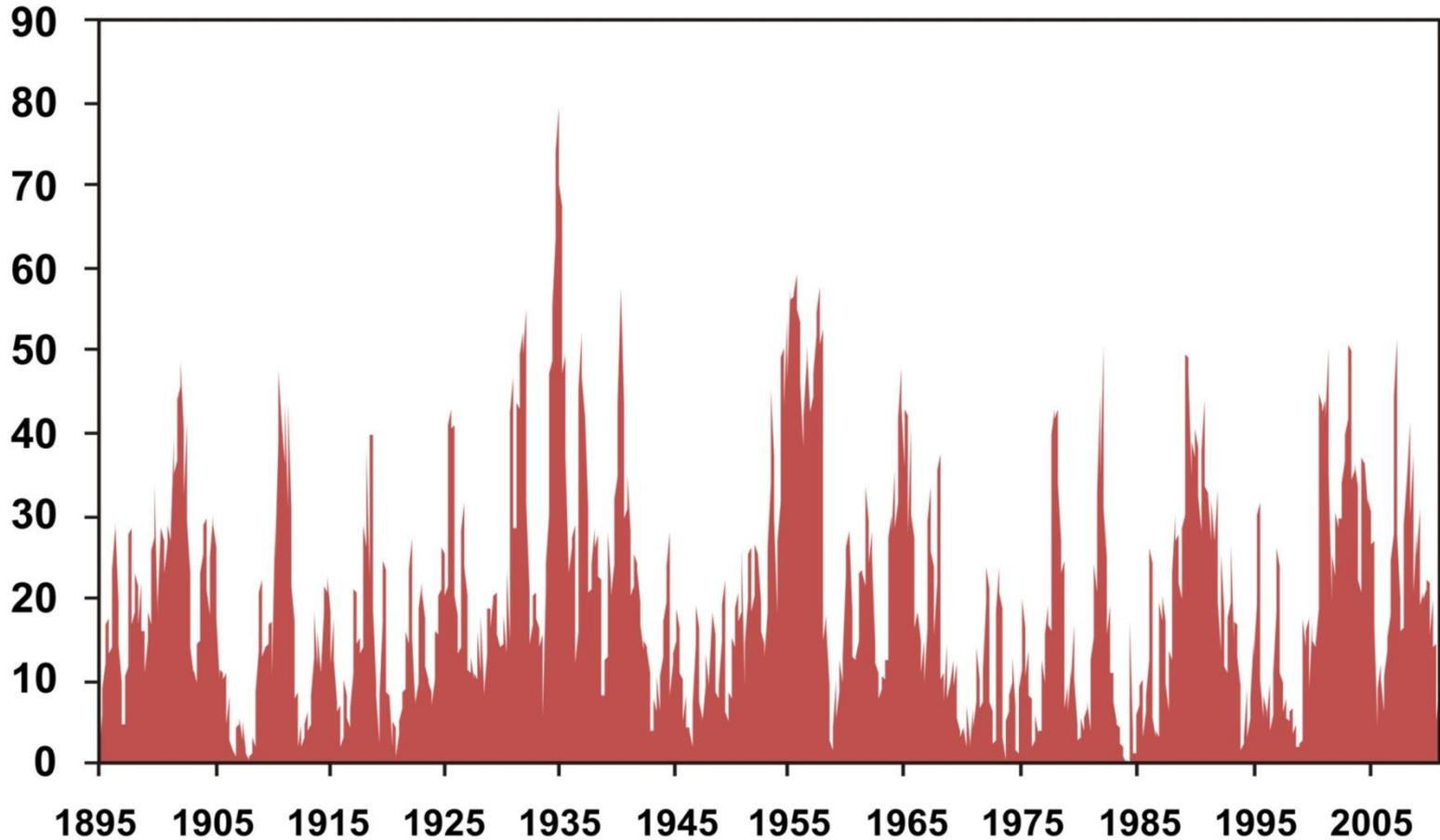


Founded in 1995 by Dr. Don Wilhite at the University of Nebraska-Lincoln.

***Mission:* To lessen societal vulnerability to drought by promoting planning and the adoption of appropriate risk management techniques.**

Percent Area of the United States in Moderate to Extreme Drought

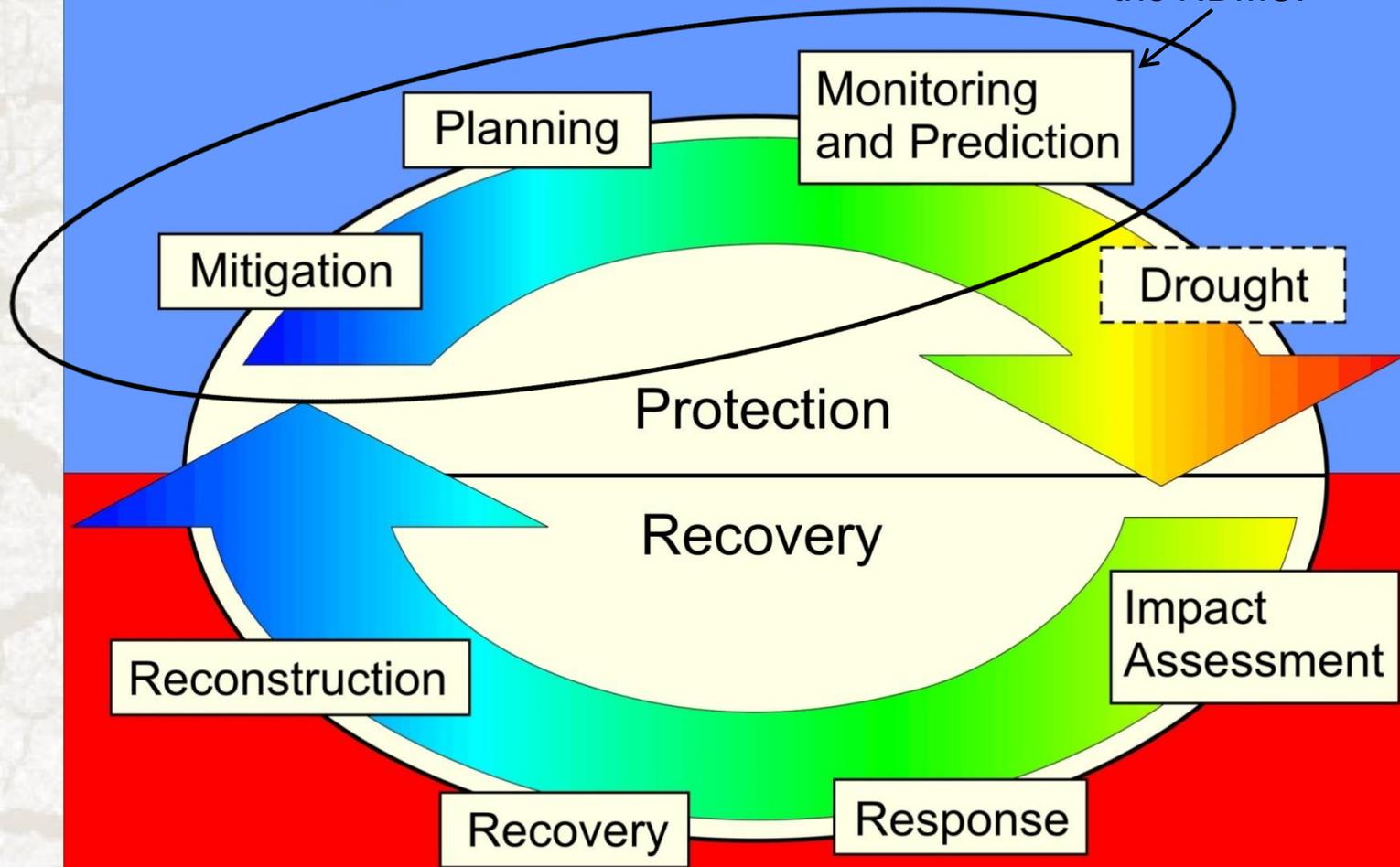
January 1895–February 2010



Based on data from the National Climatic Data Center/NOAA

risk management

Primary focus of the NDMC.



crisis management

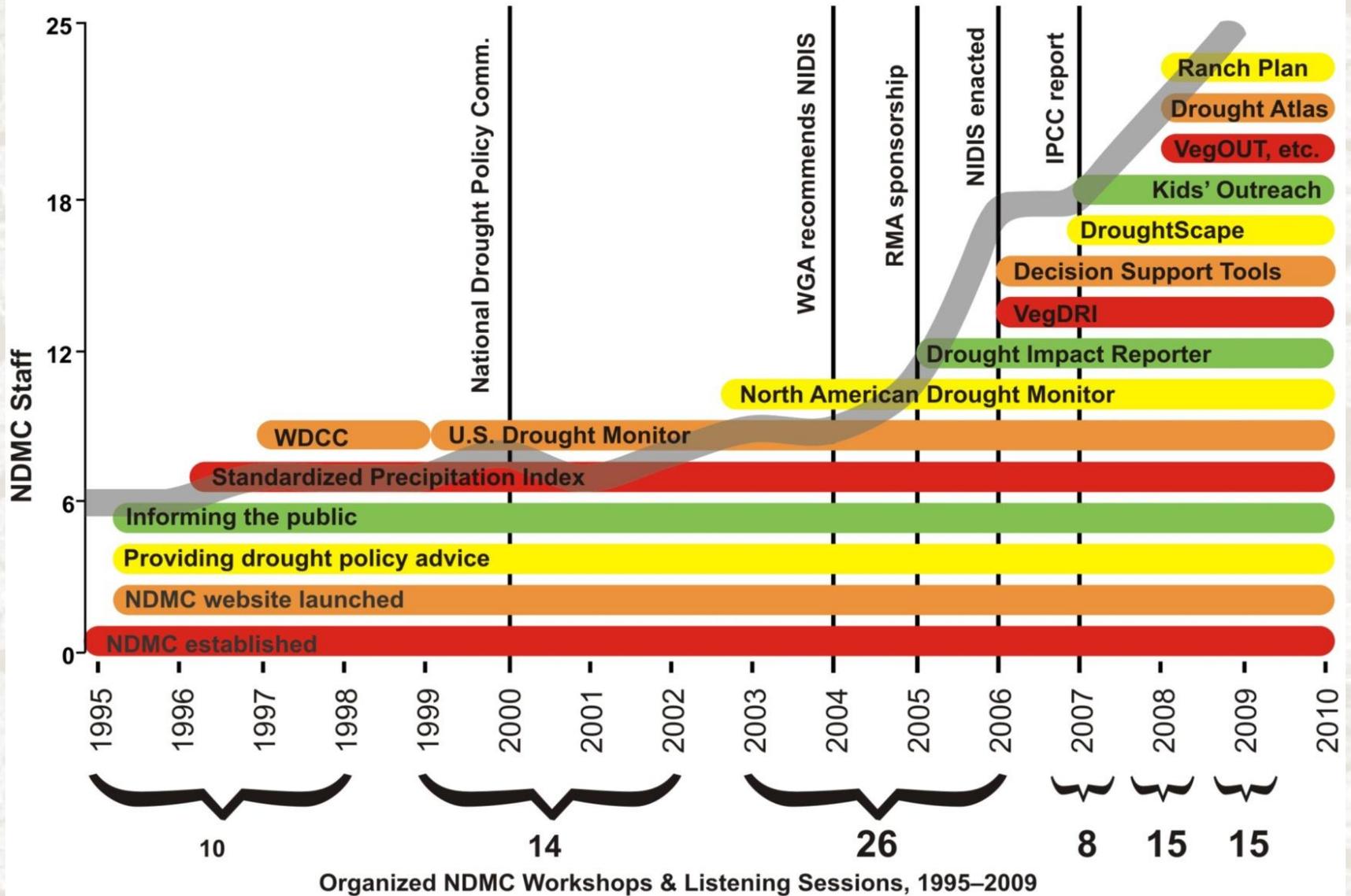
NDMC Program Objectives



- Improve the science of drought monitoring, planning, and mitigation.
- Build awareness of drought and its impacts on society and the environment, and how human actions affect our vulnerability to drought.
- Focus the attention of policy makers on the importance of drought policy and planning in the wise stewardship of natural resources.

RESEARCH, OUTREACH, AND TRAINING

NDMC Products & Activities



NDMC Overview



23 faculty & staff
4 graduate students
3 visiting international scientists

Staff backgrounds:

Climatology
Meteorology
Hydrology
Water Resources

Staff backgrounds:

Planning
Economics
Public Participation
Rural Sociology
Anthropology
Journalism

Staff backgrounds:

GIS
Remote Sensing
Geography
Ecology

NDMC International Activities



- **UN organizations:**

- FAO, ISDR, and CCD

- **World Meteorological Organization (WMO)**

- **US AID**

- Various regional and national drought

- centers

- Numerous government agencies and

- universities in different countries

Czech Republic • Italy • Switzerland • Spain • Slovenia • European Union • Southern

Europe/Northern Africa • Morocco • Tunisia • Mali • Ethiopia • Mozambique • Namibia • Egypt •

Saudi Arabia • Jordan • India • Japan • China • South Korea • Vietnam and Cambodia •

Australia • Brazil • Chile • Mexico • Canada • United States

NDMC National Collaborations

Federal

- **National Integrated Drought Information System (NIDIS)**
 - NIDIS Program Implementation Team, NIDIS Pilots Teams, NIDIS Portal Team, NIDIS Working Groups
- **NOAA:** RISAs, RCCs, NCDC, NWS Offices (D.C., Regional, RFCs, WFOs), CPC, ESRL/PSD etc...
- **NASA:** NASA Goddard Space Flight Center (GSFC) and Jet Propulsion Laboratory (JPL)
- **USDA:** NRCS National Water and Climate Center, RMA, ARS, Joint Agricultural Weather Facility, World Agricultural Outlook Board
- **USGS** Center for Earth Resources Observation Science (EROS)
- **U.S. Army Corps of Engineers:** Institute for Water Research
- **Bureau of Reclamation:** Lower Colorado Region

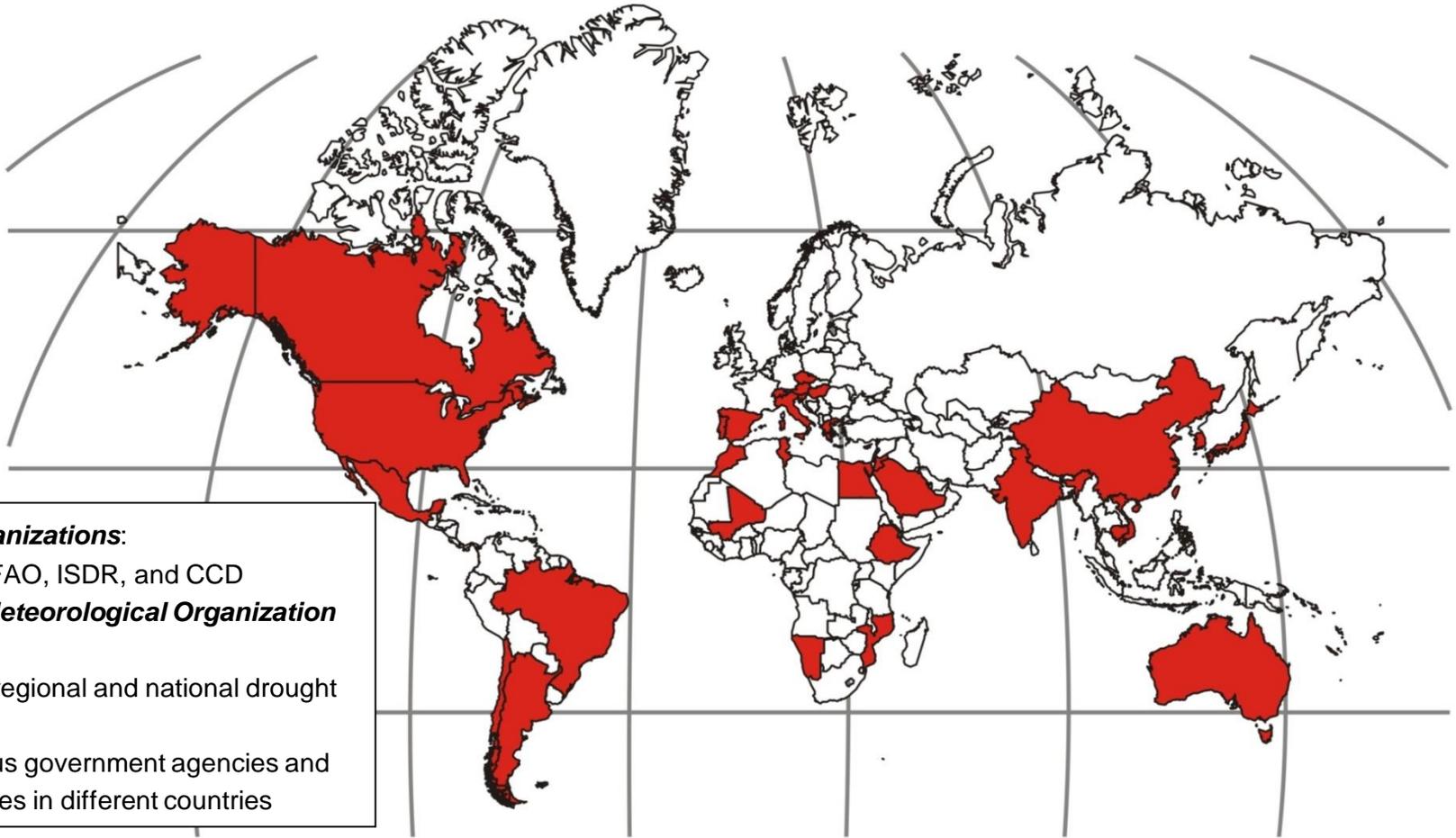
National

- U.S. Drought Monitor Author Group and Listserv
- North American Drought Monitor Author Group and Listserv
- National Phenology Network
- National Conference of State Legislatures

Other

- Researchers at Universities: Colorado, Arizona, Iowa State, Missouri, Kansas, Indiana, Purdue, Texas A&M, South Dakota State, Illinois, Oklahoma, New Mexico, UNK, Augustana, Colorado State, UMKC, South Carolina, Washington, Wisconsin, Dartmouth, California-Riverside, Scripps Research Institute, Center for Research on the Changing Earth System
- States/Tribes: Hualapai, Hawaii, Colorado, Missouri, Nebraska, Arizona, Illinois, Oklahoma
- Communities: Lincoln, NE; Kansas City, MO; Johnson County, KS; Nebraska City, NE; Decatur, IL; Ada, Cordell, Norman, OK
- Nebraska Natural Resources Districts

NDMC International Activities

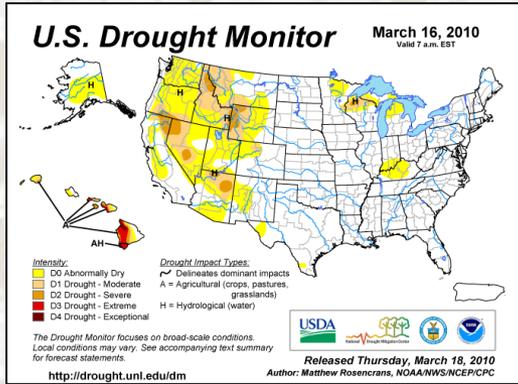


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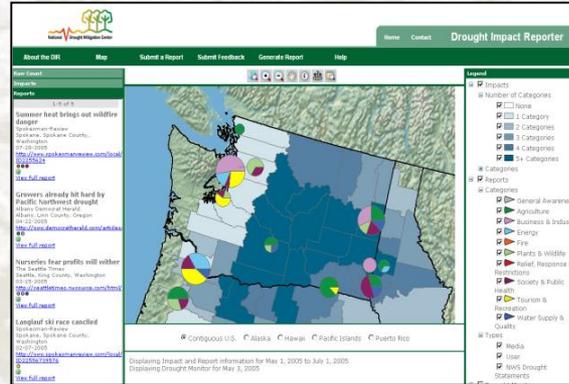
Czech Republic • Italy • Switzerland • Spain • Slovenia • European Union • Southern Europe/Northern Africa • Morocco • Tunisia • Mali • Ethiopia • Mozambique • Namibia • Egypt • Saudi Arabia • Jordan • India • Japan • China • South Korea • Vietnam and Cambodia • Australia • Brazil • Chile • Mexico • Canada • United States

Operational Drought Tools at the NDMC

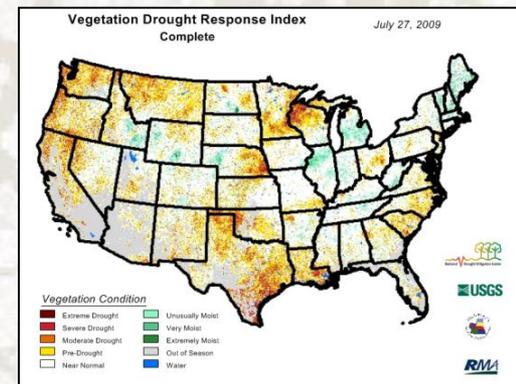
U.S. Drought Monitor



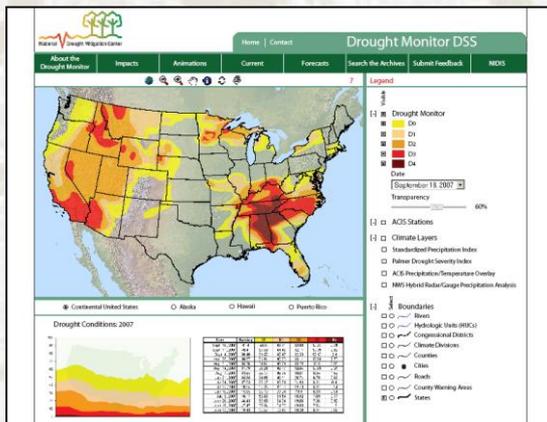
Drought Impact Reporter (DIR)



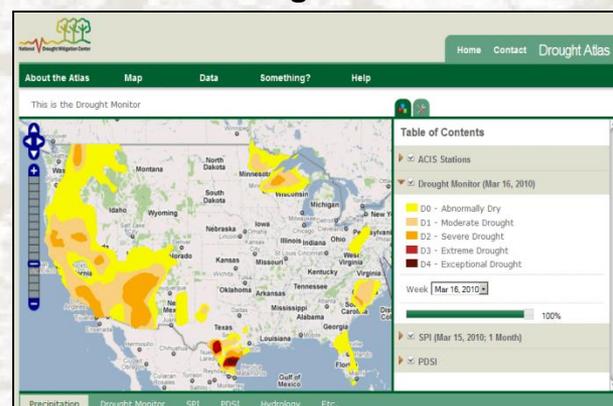
VegDRI



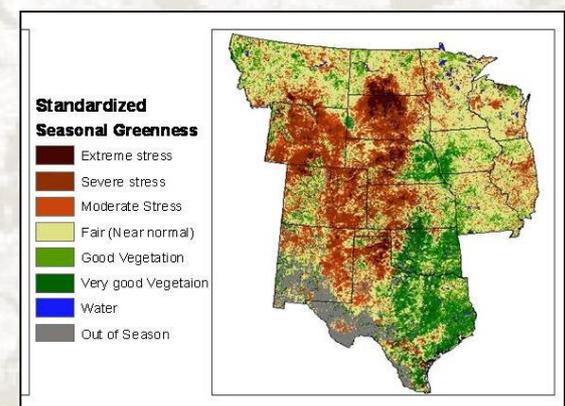
U.S. Drought Monitor Decision Support System



Drought Atlas



Vegetation Outlook (VegOut)



Workshop Objectives

1. Introduce new drought tools developed in partnership with USDA RMA.
2. Obtain feedback on the utility and possible applications of these tools in Idaho and the surrounding region.
3. Learn about local drought information needs and issues.