Delivering Drought Information Services to the World: Activities of the National Drought Mitigation Center

> Michael Hayes, Director Cost 734 Final Conference May 3-6, 2011

UNIVERSITY OF NEBRASKA-LINCOLN

National Drought Mitigation Center

- Non-COST Institution
- Founded in 1995 by Donald Wilhite
- "How has behavior been changed?"



"Service"

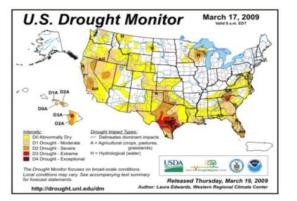
Processes ... for the acquisition, archiving, indexing, quality assessment, synthesis, interpretation, communication, and evaluation of data, knowledge, and information that contributes to the welfare of the nation.

Services work especially well when there is recognition that resources and their effective use are inseparable

The Cycle of Disaster Management risk management Monitoring Planning and Prediction Mitigation Drought Protection Recovery Impact Assessment Reconstruction Response Recovery crisis management

NDMC

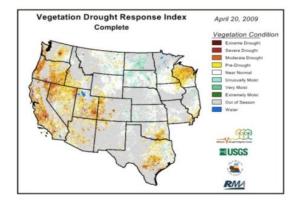
Monitoring Program Area (Mark Svoboda)



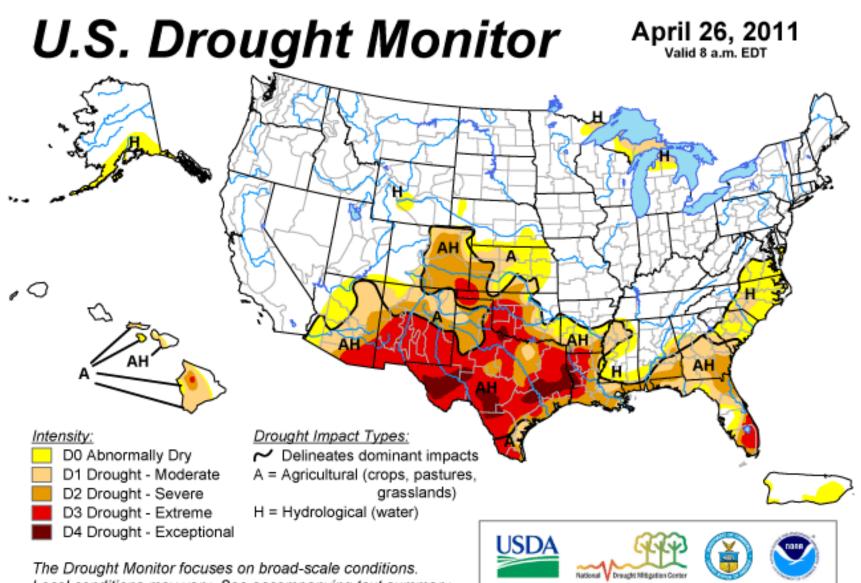
Planning and Social Science Program Area (Cody Knutson)







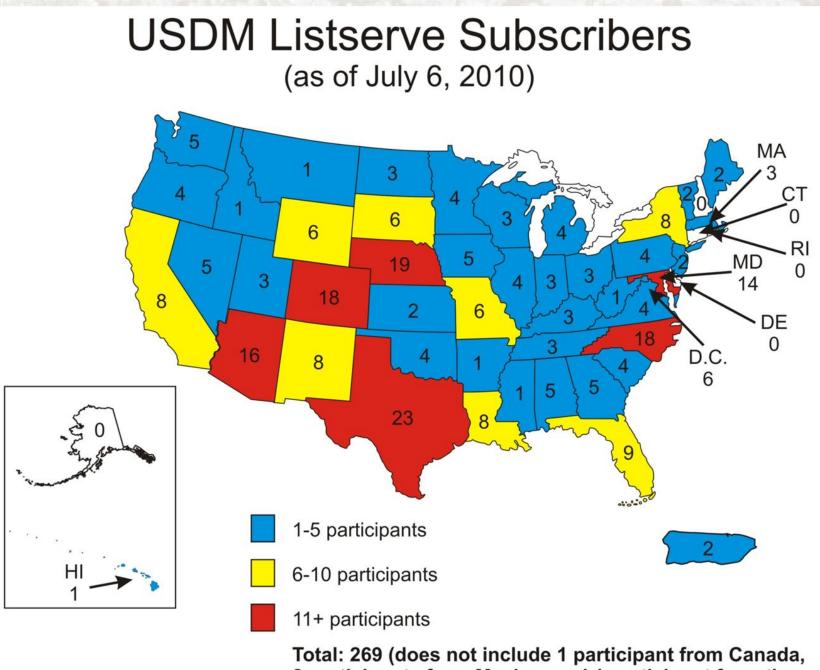
 RESEARCH, OUTREACH, AND TRAINING
Tool Development: Research-Operations-Applications-Education Continuum



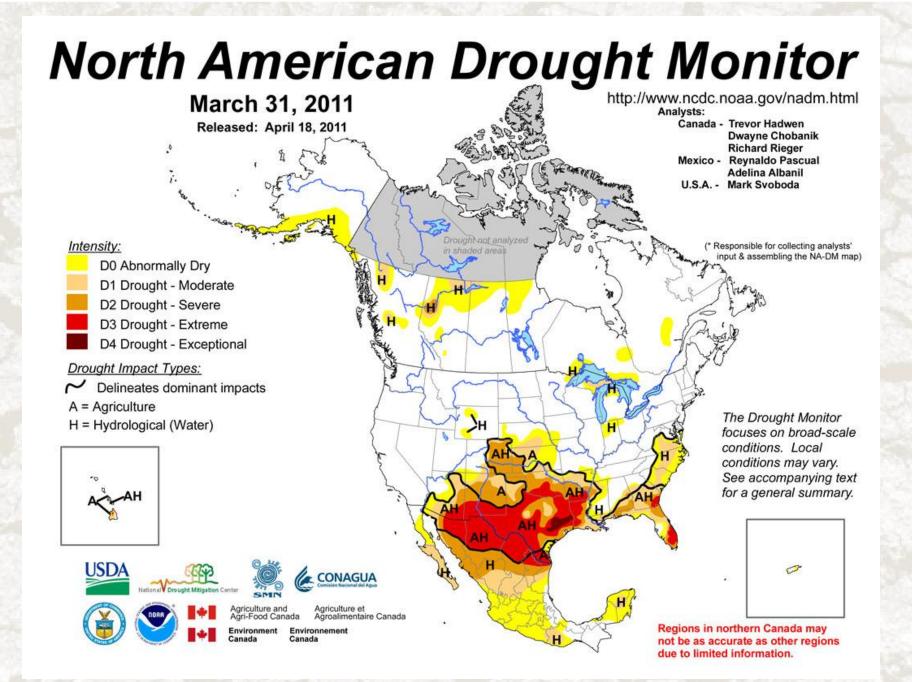
Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

Released Thursday, April 28, 2011 Author: Michael Brewer/L. Love-Brotak, NOAA/NESDIS/NCDC



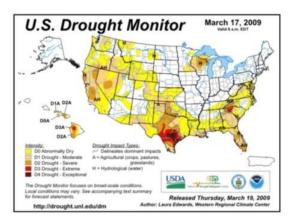
2 participants from Mexico, and 1 participant from the Netherlands)



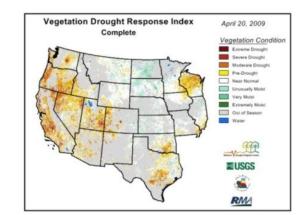
NDMC

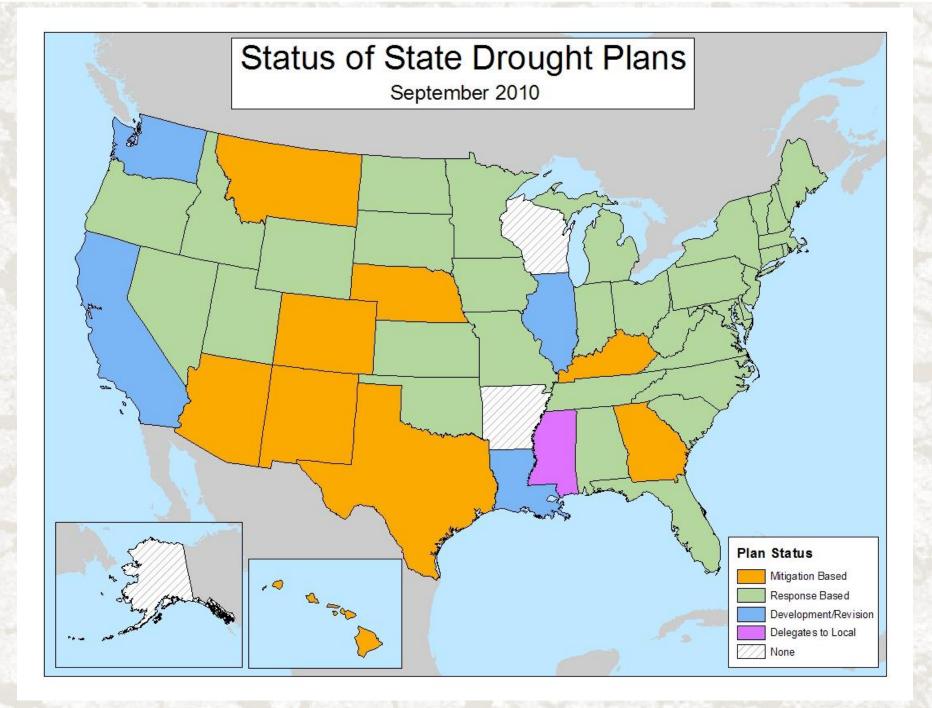
Monitoring Program Area (Mark Svoboda) Planning and Social Science Program Area (Cody Knutson)

GIScience Program Area (Brian Wardlow)



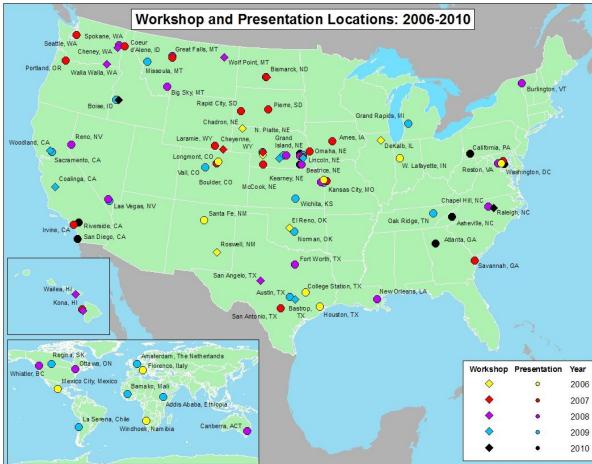


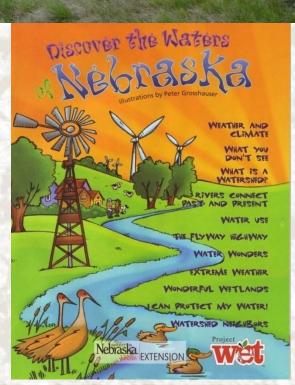




Outreach







NDMC Stakeholder Interactions

- Workshops, Listening Sessions
- Media Contacts
- Surveys
- **Evaluator Networks**
- Drought Impact Reporter
- **Drought Ready Communities Project**
- Ranch Planning Project
- Discover the Waters of Nebraska
- **Climate Change Literacy for Educators**
- DroughtScape/Website
- Nebraska's Climate Assessment and Response Committee
- Conferences, Events

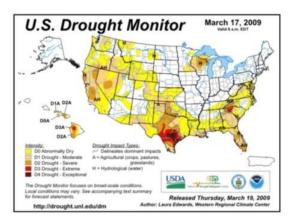




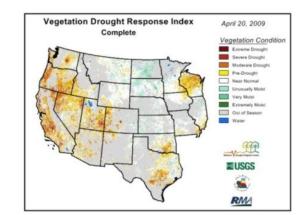
NDMC

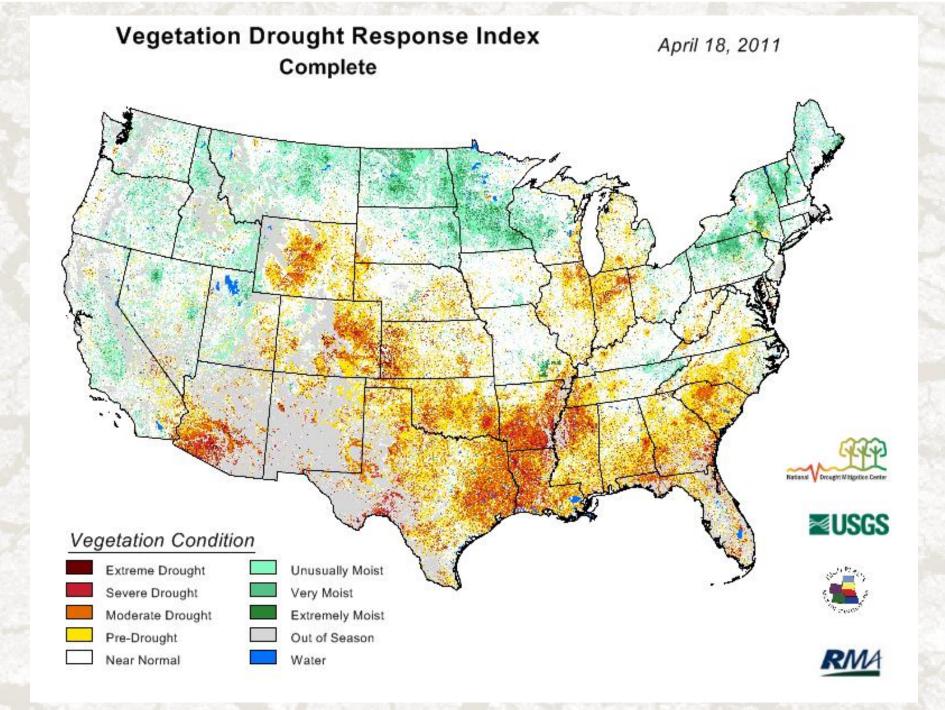
Monitoring Program Area (Mark Svoboda) Planning and Social Science Program Area (Cody Knutson)

GIScience Program Area (Brian Wardlow)

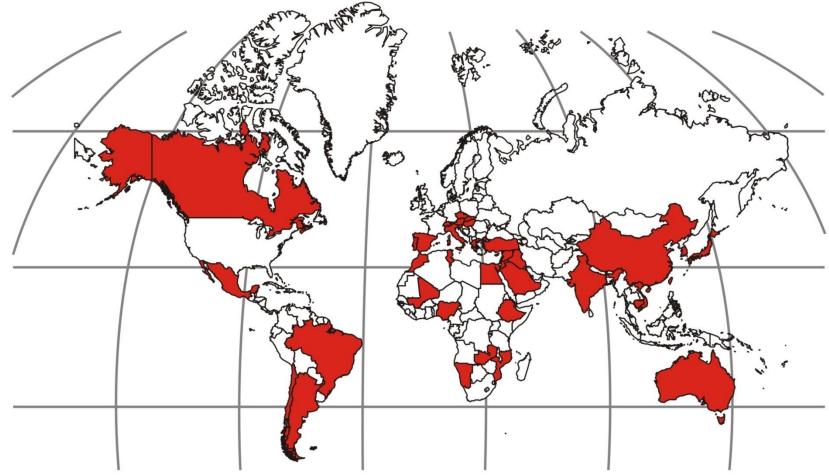








NDMC International Activities



Activities 2005–2010

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

Activities planned in 2011

Turkey • Czech Republic • Slovakia • Austria • Australia • Canada • Mexico • India • Korea • China • Ethiopia • Nigeria • Zambia •

International Drought Planning Guides





THEWORLD BANK



Drought Risk Reduction Framework and Practices:

Contributing to the Implementation of the Hyogo Framework for Action

> Preliminary version May 2007





The Near East **Drought Planning Manual:**

Guidelines for Drought Mitigation and Preparedness Planning



Food and Agriculture Organizatio Regional Office for the Near East

National Drought Dimestion Center Networklon-USB



Drought Management Centre for Southeastern Europe - DMCSEE

Drought is a normal part of climate in virtually all regions of the world. South Eastern Europe is no exception; in past decades the drought-related damages have had large impact on the economy and welfare. Therefore the need to establish a Drought Center for SE Europe to alleviate the problems caused by drought in the area became evident at the end of the past century. The idea was further elaborated by International Commission on Irrigation and Drainage (ICID) and UN Convention to Combat Desertification (UNCCD). The UNCCD national focal points and national permanent representatives with the World Meteorological Organization have agreed upon the core tasks of the Drought Management Center for South Eastern Europe (DMCSEE) and the proposed project document.

The mission of the proposed DMCSEE is to coordinate and facilitate the development, assessment, and application of drought risk management tools and policies in South-Eastern Europe with the goal of improving drought preparedness and reducing drought impacts. Therefore DMCSEE will focus its work on monitoring and assessing drought and assessing risks and vulnerability connected to drought.

DMCSEE Project Proposal

Latest news

WIND UNDD DRACCCC werkelses

Founding countries:

- → Albania
- → Bosnia and Herzegovina
- → Bulgaria
- → Croatia
- → FYROM
- → Greece
- → Hungary
- → Moldova
- → Romania
- → Slovenia
- \rightarrow Turkey
- → Montenegro
- → Serbia

Founding agencies:

- → WMO
- → UNCCD





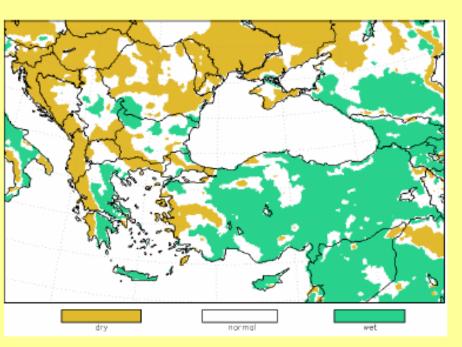


EUROPEAN UNION

DROUGHT MONITORING BULLETIN

22th April 2011

Hot Spot



Start of this year's growing season is characterized by low water supply in most parts of the Balkan Peninsula. As shown on the left picture, model simulation for the time period from 10 February – 20 April indicate dry conditions over almost entire Balkan, belonging to the seven most dry years in the time period 1989 – 2010. Much better is the situation over South-Eastern part of the DMC region. Areas colored green are among the seven wettest in the time period 1989 – 2010.

Average temperature was in the past 70 days below average (1989 – 2010) in most areas of the DMC.

Michael Hayes National Drought Mitigation Center mhayes2@unl.edu http://drought.unl.edu