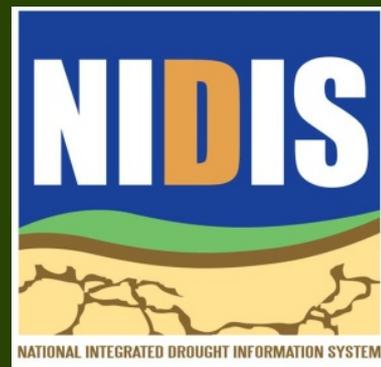


Using Remote Sensing to Monitor Soil Moisture and Water Resources for Drought Risk Management



NIDIS Engaging Preparedness
Communities Webinar Series
June 4, 2014



Acknowledgements



Jim Verdin
Co-Chair EPC
USGS/NIDIS



Lisa Darby
NOAA/NIDIS



Veva Deheza
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Chad McNutt
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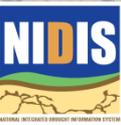
Jeff Nothwehr
GIS/Web Specialist
NDMC



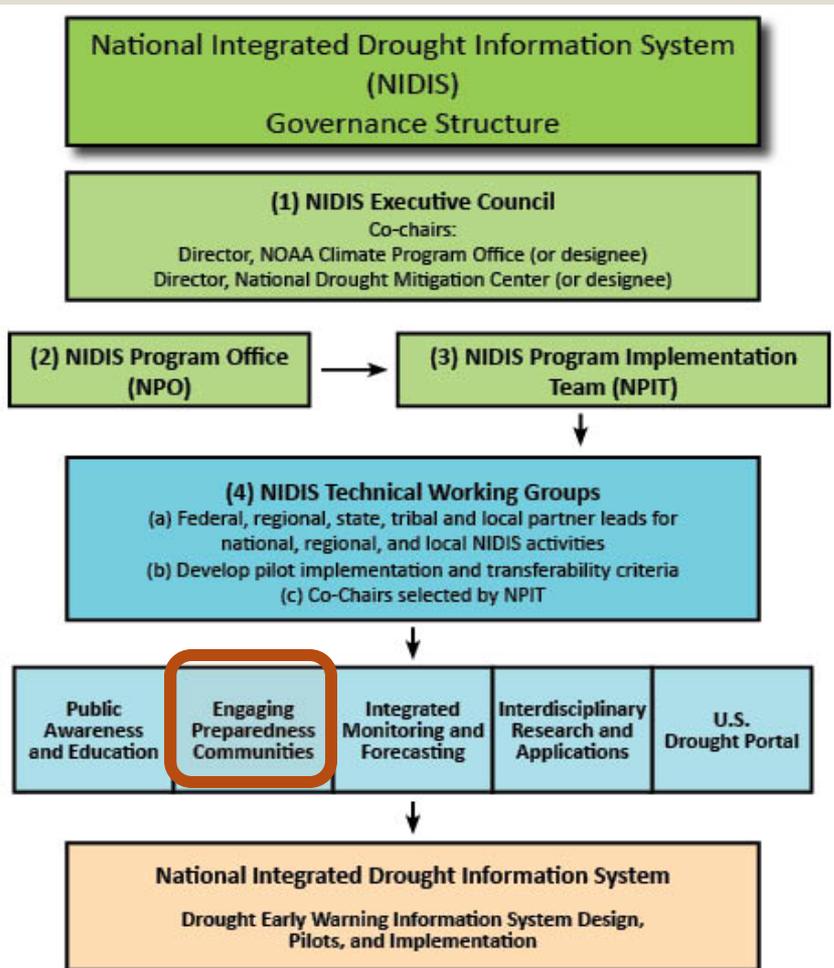
Mark Svoboda
Climate Based Monitoring
Program Leader
NDMC



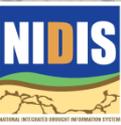
Michael Hayes
Director
NDMC



National Integrated Drought Information System (NIDIS)



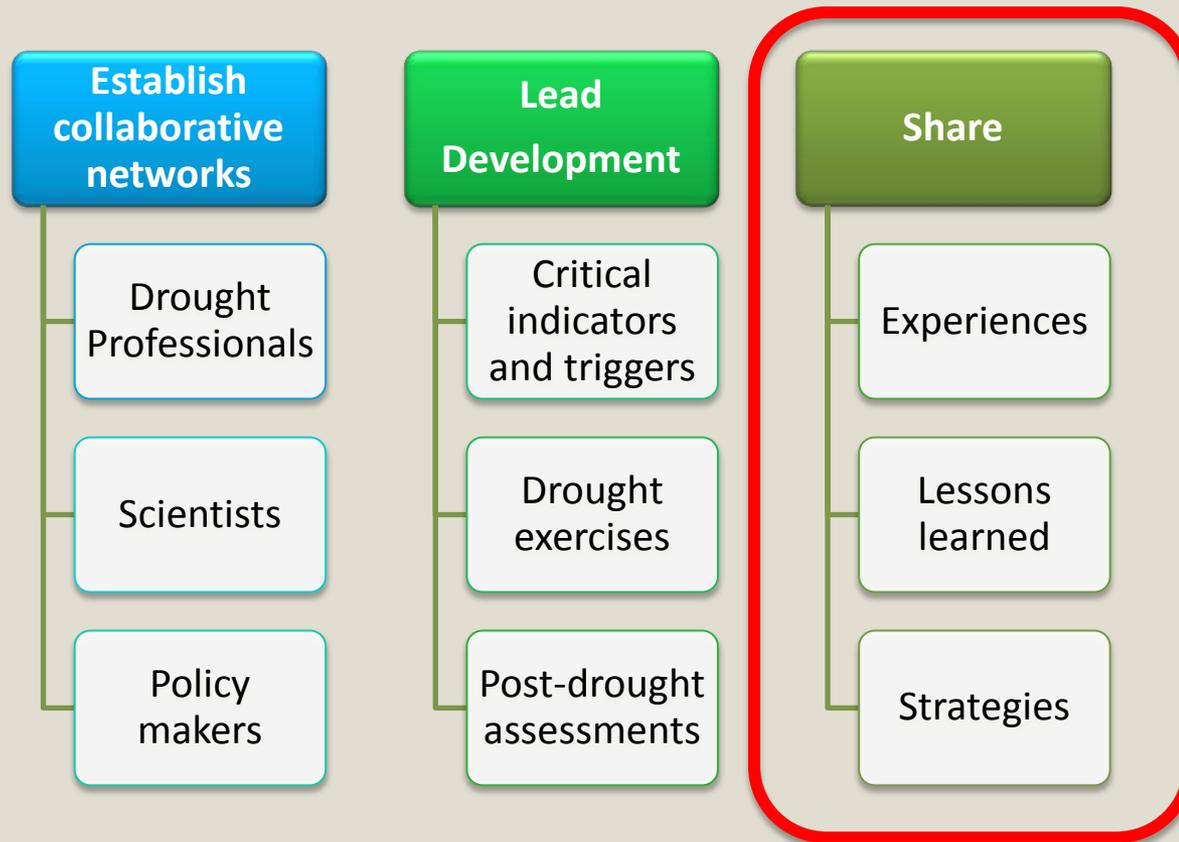
- Authorized: 2006
- Reauthorized: 2014
- Improve the Nation's capacity to pro-actively manage drought related risks.



Engaging Preparedness

Communities Working Group Goal:

Assist entities in planning for & reducing the risks associated with drought



EPC: Where we've been...

Webinar Series

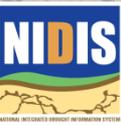
- Planning Needs
- Impact Collection & Assessment
- Drought Tournaments
- Community Drought Planning
- Drought planning, impacts, and mitigation databases

Proposals

- Impact assessment
- Asset based drought planning
- Drought exercises for risk assessment

Conferences & Workshops

- Building a Sustainable Network of Drought Communities
- Managing Drought on the Farm
- Planning for Extreme and Extended Drought



EPC: Where we're going...

Continue building a collaborative network



Sample Organizations & Stakeholder Groups

Agenda

What's new with NIDIS

Lisa Darby
NIDIS Program Office

NASA Soil Moisture Active Passive Data Program (SMAP): Mission Imperative for Drought

Vanessa Escobar
NASA

NASA Applied Remote Sensing Training for Water Resources and Disaster Management

Ameta Mehta & Ana Prados
NASA – U. Maryland Baltimore County Joint Center for Earth Systems Technology

Next Steps

Deborah Bathke
National Drought Mitigation Center

Using Remote Sensing to Monitor Soil Moisture and Water Resources for Drought Risk Management



Please join us for a webinar hosted by the Engaging Preparedness Communities working group of the National Integrated Drought Information System (NIDIS). This free webinar will take place on Wednesday, June 4, 2014 that will explore NASA's Soil Moisture Active Passive Program (SMAP) and Applied Remote Sensing Training (ARSET) and how these tools can assist in drought preparedness and management.

The webinar will run from 1 to 2 p.m. Central time. The webinar is free and open to the public, however, you must register in order to receive access to it.

Visit: <http://drought.unl.edu/registration.aspx?eventid=418> to register today! For questions, please contact Nicole Wall at nwall2@unl.edu or Jeff Nothwehr at jnothwehr2@unl.edu

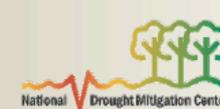
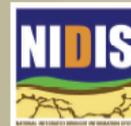
NASA Soil Moisture Active Passive Data Program: Mission Imperative for Drought

Vanessa Escobar, M.S., Missions Application Deputy Coordinator and Support Scientist at the NASA Goddard Space Flight Center will introduce EPC participants to the Soil Moisture Active Passive (SMAP) tool and decision-support system. SMAP has a long tested history of data and user communities and will officially be launched and operational in November 2014. Case studies will illustrate the use and realistic expectations of this product by decision-makers in drought. Information on how to request or plan a training session will also be provided. For more information on SMAP, please visit: <https://smap.jpl.nasa.gov/Imperative/>

NASA Applied Remote Sensing Training for Water Resources and Disaster Management

Dr. Amita Mehta, Research Assistant Professor in the NASA- University of Maryland Baltimore County Joint Center for Earth Systems Technology and Dr. Ana I. Prados, Research Assistant Professor at the Joint Center for Earth Systems Technology, University of Maryland Baltimore County will introduce you to ARSET, describe the topics for ARSET trainings, give examples of water resources and disaster management products/application and give information on how to request or plan a training session. For more information on ARSET, please visit <http://water.gsfc.nasa.gov/>

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What's Next for EPC?

Now that NIDIS has been re-authorized....

- ▶ Re-establish a leadership committee
- ▶ Convene a workshop in 2015
- ▶ Identify regional drought communications coordinators
- ▶ Continue webinar series
- ▶ Build a stronger presence on drought.gov with links to activities & resources of drought organizations

