



NIDIS Missouri Basin Project Kickoff Meeting

February 26-27, 2014

Lied Lodge & Conference Center

Arbor Day Farm

Nebraska City, NE

Purpose

To bring together a diverse group of federal, state, tribal, local partners and stakeholders from the water- and land-management communities, to discuss and understand decision-makers' needs for drought, climate, weather, and water-related information and improving our capacity to meet those needs across the Missouri Basin.

Desired Outcomes

- (1) Increased knowledge and awareness of present decision-support tools and processes, including the National Integrated Drought Information System (NIDIS);
- (2) Identification of gaps in our knowledge and information communication resources;
- (3) Recommendations for improved early warning which would include better coordination of integrating, displaying, and distributing climate, weather, and water data and information; and
- (4) Recommendations for future actions, collaborative research, and decision support.

Agenda

Day One – Wednesday, February 26th

8:00 – 8:30	Registration	Downstairs
8:30 – 8:40	Welcome	Doug Kluck (NOAA)
8:40 – 9:00	Western Governors Association and Drought	James Ogsbury (WGA)
9:00 – 9:30	NIDIS Philosophy and Metrics of Success	Chad McNutt (NOAA)
9:30 – 10:00	State Perspective Tribal Perspective	John Tubbs (MT) Gary Collins (Wind River)
10:00 – 10:15	Planning On Drought	Jim Schwab (APA)
10:15 - 10:30	Break	
10:30 – 11:00	(Kristen Averyt - Moderator WWA/RISA) Federal Policies and Drivers Missouri River Regulation Tributary Regulation	Jody Farhat (USACE) Patrick Erger (BOR)
11:00 – 12:15	State Drought Plans & Policies (Kristen Averyt - Moderator WWA/RISA)	Margaret Fast (KS) Ben Wade (CO) Bobbi Wickham (NE) Dennis Todey (SD) Ryan Mueller (MO) Jon Patch (ND) Jodee Pring (WY) Tim Hall (IA)
12:15 – 1:15	Lunch	
1:15 – 1:45	Regional Drought Early Warning System: Lessons Learned From the Upper Colorado	Nolan Doesken (CSU)
1:45 – 2:30	(Mike Hayes – Moderator NDMC) Background on Drought in the Basin Historical Perspective General Hydrology (trends, changing climate) Socio-economic impacts due to drought	Mark Svoboda(NDMC) Bob Swanson (USGS) Kelly Smith (NDMC)
2:30 – 4:45	World Café (facilitated discussion) Risks and Vulnerabilities, gaps, information needs	Laura Edwards (SDSU) Nicole Wall (NDMC) Tonya Bernadt (NDMC) Tonya Haigh (NDMC) Shannon McNeeley

	<ol style="list-style-type: none"> 1. Agriculture - Range/livestock & crop/irrigation <ul style="list-style-type: none"> - Rangeland and Livestock - Crops (dry land and irrigated) 2. Natural Resource Management <ul style="list-style-type: none"> - Wetlands, forests, grasslands, fire management, invasive, wildlife/habitat, tourism & recreation 3. Energy <ul style="list-style-type: none"> - Production of Energy (coal, oil/fracking, wind, hydro, ethanol) - Utilities (industry & municipalities) 4. Municipal/Communities & Rural Water Supply (river/reservoir & groundwater) <ul style="list-style-type: none"> - Economic Development - Sustainability - Navigation (Mississippi and Missouri basin perspectives) 5. Human Health (fire/smoke, dust, disease, mental health) 	(NCCSC) Dennis Todey(SDSU) Gwen White (FWS) Bob Gough (ICOUP) Jack Daniel (HHS) Jay Gilberston (EDWDD) Aaron Yoder (UNMC)
4:45 – 5:00	Wrap Up & Plan for Tomorrow	Mark Svoboda
5:00	Adjourn	On Your Own

Day Two – Thursday, February 27th

8:30 – 9:00	Discussion of what has come so far with findings Report back summary with what we have heard and Reactions	Laura Edwards(SDSU) Shannon McNeeley (NCCSC)
9:00 – 9:30	(Natalie Umphlett – Moderator HPRCC) Agriculture Policies & Building Climate Resilience: NRCS (soil initiatives, CRP, etc...) USDA Ag. Hubs	Verlon Barnes (NRCS) Justin Derner (USDA)
9:30 – 9:45	Tribal Sovereignty & Drought	Gary Collins (Wind River)
9:45 – 10:15	Current Drought Related Activities	

	Monitoring NRCS Other Federal & State Systems	Deb Harms (NRCS) Dennis Todey (SDSU)
10:15 – 10:30	Break	
10:30 – 11:00	Drought Vulnerability	Shannon McNeeley (NCCSC)
11:00 – 11:15	Drought Assessments (2011 & 2012)	Brian Fuchs (NDMC)
11:15 – 11:45	Prediction/ forecasting – current state of the science Short Term Outlooks (monthly to annual to decadal) Recent Climate Science Findings Potential Climate Change Impacts	Barb Mayes (NOAA)
11:45 – 1:00	Lunch	
1:00 – 1:30	(Chad McNutt – Moderator NOAA) Tools & Services Information Services RCS Activities Decision Support Tools	Natalie Umphlett (HPRCC) Doug Kluck (NOAA) Mark Svoboda (NDMC)
1:30 – 3:00	Final Break Out & Wrap Up – Summary of Needs & Gaps (Refine, Document Additional Needs and Discussion) <ol style="list-style-type: none"> 1. What have we heard so far? 2. After hearing everything, what is still missing? 3. How can existing services be improved? 4. How do we do this amongst this group? 5. How do we leverage current priorities and policies? 6. Who else needs to be involved? 7. Next steps for this group in the basin 	Tonya Haigh (NDMC) Shannon McNeeley (NCCSC) & Others
3:00 - 3:30	Synthesis and Adjournment	Chad McNutt (NOAA) Doug Kluck (NOAA) Mark Svoboda (NDMC)