



## **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 26<sup>th</sup>

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"> <li>1. Agriculture - Range/livestock &amp; crop/irrigation <ul style="list-style-type: none"> <li>- Rangeland and Livestock</li> <li>- Crops (dry land and irrigated)</li> </ul> </li> <li>2. Natural Resource Management <ul style="list-style-type: none"> <li>- Wetlands, forests, grasslands, fire management, invasive, wildlife/habitat, tourism &amp; recreation</li> </ul> </li> <li>3. Energy <ul style="list-style-type: none"> <li>- Production of Energy (coal, oil/fracking, wind, hydro, ethanol)</li> <li>- Utilities (industry &amp; municipalities)</li> </ul> </li> <li>4. Municipal/Communities &amp; Rural Water Supply (river/reservoir &amp; groundwater) <ul style="list-style-type: none"> <li>- Economic Development</li> <li>- Sustainability</li> <li>- Navigation (Mississippi and Missouri basin perspectives)</li> </ul> </li> <li>5. Human Health (fire/smoke, dust, disease, mental health)</li> </ol>	(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 27<sup>th</sup>

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"> <li>1. What have we heard so far?</li> <li>2. After hearing everything, what is still missing?</li> <li>3. How can existing services be improved?</li> <li>4. How do we do this amongst this group?</li> <li>5. How do we leverage current priorities and policies?</li> <li>6. Who else needs to be involved?</li> <li>7. Next steps for this group in the basin</li> </ol>	Tonya Haigh (NDMC) Shannon McNeeley (NCCSC) & Others
3:00 - 3:30	Synthesis and Adjournment	Chad McNutt (NOAA) Doug Kluck (NOAA) Mark Svoboda (NDMC)