

Climate change, drought and early warning on Western Native Lands 9-11 June, 2009 Jackson Lodge, Grand Teton National Park WY

Climate change impacts will be different from region to region. If, as predicted, climate change results in increased water scarcity in some areas, and stresses on other natural resources, tribal use and protection of resources could face significant challenges. For example projections show that tribes in the Pacific Northwest will face warming streams and changes to the hydrologic cycle that further threaten the survival of salmon populations; likewise higher temperatures and increasing aridity in the Southwest might exacerbate tensions between tribal and non-tribal interests and rights over the region's limited water resources. At the same time a number of tribal lessons are available to address climate change. Tribes have great physical and cultural resources that can help the US deal with climate risks through renewable energy development and wilderness protection in the face of climate change. A major focus of our discussions will be on ensuring that as climate changes, the drought information needed to help meet trust responsibilities and tribal development and environmental protection goals will be relevant, credible, timely and useful.

First Day Tuesday 9 June 2009: Explorers Room

Morning

8:00-9:00 *Continental Breakfast-Trappers Room*

Session I: *Chairs- G. Collins, R.Pulwarty*

9:00-10:00 Welcome: The Workshop Steering Group

Opening statement-Northern Arapaho Tribal Leader B. C'Hair

Who is here? Why are we here? (Steering Group)

Logistics-M. Whitmire

10:00-10:20 Steering Group-The role of traditional knowledge in adaptation (Leads: M. Hiza Redsteer, G. Collins)

10:20-10:45 *BREAK*

10:45-11:05 Climate variability and Change in the Western U.S. (K. Redmond)

11:05-11:30 Experience from past efforts: National Assessment-Native Homelands (N. Maynard)

11:30-11:45 The National Integrated Drought Information System (M. Hayes)

11:45-1:15 *LUNCH*

Afternoon

Session II *Chair-D. Kluck*

1:15-1:45 The Intergovernmental Panel on Climate Change (R. Pulwarty, D. Martinez)

1:45-2:30 Developing a National Climate Service (C. Koblinsky/R. Pulwarty)

2:30-3:00 Guidance/feedback for the rest of the meeting-Steering Group

3:00-3:20 BREAK

Session III **Chairs: G. Collins, R. Pulwarty, D. Kluck, J. Rattling Leaf**
Roundtable discussions begin (8 persons per table)
Core climate/drought-related issues: Critical problems, existing lessons
and practices, proposed activities and information needs for adaptation

3:20-5:00 Water resources (Discussion leads: B. Harper, D. Patton, S. van Cooten)

7:00 PM DINNER:

Presentation: The NIDIS US Drought Portal (M. Brewer, M. Svoboda)

Second Day Wednesday 10 June 2009-Explorers Room

Morning

8:00-8:30 **Continental Breakfast-Trappers Room**

Session IV Chair: M. Svoboda

9:00-10:30 Wildlife, Ecosystems, and Rangelands (Discussion leads: G. Voggeser,
R. Jones, B. Heinith)

10:30-10:50 BREAK

10:50-12:15 Energy (Discussion leads: M. Tano, B. Gough, K. Craven)

12:15-1:45 LUNCH

Afternoon

Session V Chair: G. Collins

1:45-3:10 Cultural resources (Discussion leads: M.Hiza, D.Martinez)

3:15-3:30 BREAK

3:30-5:00 Opportunities for Collaboration (Discussion leads: V. Depuis, D.Ferguson,
J. Rattling Leaf, Federal Agency representatives)

- Cross-sectoral drought monitoring needs (including impacts)
- Capacity-building (in relation to Tribal Colleges and natural resources specialists)

7:00 PM DINNER
Fiddling champion: B. Heinith

Third Day Thursday 11 June 2009-Explorers Room

Morning-Continental Breakfast-Trappers Room

8:00-8:30 Opening Statement: B. C'Hair

Session VI Chairs: M. Schaff, G. Collins, B. Gough

8:30-9:30 Recap- Discussion Reports

9:30-10:30 Discussion: Maintaining Trust responsibilities in a changing climate:
Federal, Tribal and State partners with trust responsibilities: Incorporating
climate information, especially regarding drought, into planning and
practice

10:30-10:45 BREAK

Session VII Chairs G. Collins, R. Pulwarty

Discussants: M. Hiza Redsteer, K. Redmond, D. Kluck, D. Martinez

10:45-12:00 Listening Session: Partnerships of Native Peoples, States and Feds:
Participation and Requirements from NOAA National Climate Service,
Climate Assessments

12:00-12:15 Wrap-up-Next steps: Where do we go from here?