UPDATES IN REGIONAL CLIMATE ADAPTATION

By Stefan Tangen
Tribal Resilience Liaison
Great Plains Tribal Water Alliance & North Central Climate Adaptation Science Center
North Central Tribal Resilience Liaison

- Employed by GPTWA
- Based at Univ CO at Boulder
- Connect science for tribal climate and environmental work
- Climate Liaison for Federally Recognized Tribes in North Central Region (ND, SD, NE, KS, CO, WY, MT)
- Available for site visits, advice, resources, science, funding support
Tribal Resilience Liaison Program

- Partnership between tribal organizations (GPTWA), BIA, USGS
- Liaisons work with tribal communities responding to climate change through:
  - Extension efforts to access info, data, and expertise
  - Facilitate research
  - Coordinate forums and information exchange

The Goal:

Better understand, communicate, and meet the needs of tribes for climate-resilient communities
Building a Climate Support Network: Each tribal organization, CASC, and BIA work together to develop a work plan for each liaison that engages a wide variety of partners at the national, regional, and community level.
Stakeholder Communities

- Federal agencies: BIA, BLM, BoR, FWS, NPS, and others
- State & local agencies
- Tribal resource managers
- Non-profit organizations
- Multi-constituent organizations
- Private land owners

- Great Northern LCC
- NIDIS
- Southwest Region Refuge System
- Borderlands Restoration
- Heart of the Rockies Initiative
- The Nature Conservancy
- National Wildlife Federation
- Pheasants Forever
- Farmers
- Ranchers
- Land-based Recreation Businesses
- Aspen Ski Co
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The Consortium
Unique, diverse, & manageable

The University of Montana
- Phil Kegley: catfish, fish population dynamics
- Lauren Yang: natural resource social science
- Matthew Harvey: climate and species tracking

South Dakota State University
- Laura Edwards: zoo-plankton in prairie ponds
- Jode Harney: sociological sciences
- Alexander Smart: natural resources, sustainable agriculture

Conservation Science Partners
- Stanley Greats: prairie conservation strategies and production
- Bert Smith: conservation biology and landscape and wildlife ecology
- Dave Theobald: land use change and biodiversity

University of Colorado at Boulder
- Jennifer Bollert: fish and wildlife director, research and innovation
- Bill Johnson: chief of staff & deputy director, climate data and analytics
- Lisa Herington: land use change and biodiversity

Great Plains Tribal Water Alliance
- Jay Grass: water resources, traditional knowledge
- David Sneath: water management, Standing Rock Sioux Tribe
- Jason Tozer: environmental science, Dakota State College
- Roderick Growen: water resources and traditional knowledge, State University
- Chad McKee: drought and adaptation consultant

Wildlife Conservation Society

Great Plains Tribal Water Alliance

South Dakota State University

Conservation Science Partners

University of Montana
NC CASC Tribal Climate Leaders Program

• Supporting a cohort of students to become the next generation of climate-smart and data-capable tribal land stewards, learning from, and contributing to NC CASC activities

• A cohort of Master’s students at CU-Boulder recruited thru Nov. 2019 to begin classes Fall 2020.

• Graduate student thesis work should align with the goals and objectives of the NC CASC.

• This effort is made possible through NC CASC support and generous funding from the Graduate School, the College of Arts & Sciences, and CIPES
Climate Adaptation Workshops for ND & SD

- 4 workshops starting in Winter 2020
- Participants include resource managers from ND & SD Tribes
- Workshops conducted by ITEP, HPRCC, NIDIS, NOAA
- Travel funding available
- Location is TBD
- Funded by the BIA Tribal Resilience Program
ITEP Workshop – Winter 2020

- Led by the Institute of Tribal Environmental Professionals (ITEP)
- Develop a framework for climate adaptation planning
- Work sessions to develop an action plan
Workshop with HPRCC

- High Plains Regional Climate Center at Univ. Nebraska-Lincoln
- Climate Dashboard
- Climate Summary
- Using tools to address drought and other climatic issues
Requests for Support

- Open to site visits, connecting resources, and general inquiries
- Monthly newsletter

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