GPTWA and North Central Climate Adaptation Science Center Partnership

James Rattling Leaf, Co-Principal Investigator GPTWA - NC CASC



2019 Fall Water Conference

PROTECTING TRIBAL WATER AND LAND: Vision and Planning to Adapt to a Changing Climate

THE VISION

Generating the <u>science</u> to help <u>resource managers</u> in the North Central region adapt to a <u>changing world</u>

The University of Montana

Phil Higuera: co-PI; fire and vegetation dynamics

Laurie Yung: natural resource social science Solomon Dobrowski: climate and species modeling

Brian Chaffin: environmental governance, water resources

Wildlife Conservation Society

Molly Cross: co-PI; climate change adaptation Sarah Reed: wildlife response to human disturbances Jon Beckman: wildlife ecology and connectivity science

South Dakota State University

Laura Edwards: co-PI; climate impacts on public/private lands

Geoff Henebry: geospatial sciences

John McMaine: water resources and agricultural engineering Alexander Smart: natural resource, sustainable agriculture

Conservation Science Partners

Shelley Crausbay: co-PI; plant community ecology and co-production

Brett Dickson: conservation biology and landscape and wildlife ecologist

Dave Theobald: land use change and biodiversity

Clare Aslan: science and decisions in socio-ecological systems

University of Colorado at Boulder

Jennifer Balch: PI & University Director; fire ecology and invasives Brian Johnson: co-PI & Deputy Director; climate data and analytics

Lisa Dilling: co-PI; co-production and water resources

Bill Travis: co-PI; climate risk and adaptation Leah Wasser: co-PI; education and training

Imtiaz Rangwala: climate science & scenario planning Heather Yocum: cultural anthropology, co-production

Max Joseph: data science, disease ecology

Great Plains Tribal Water Alliance

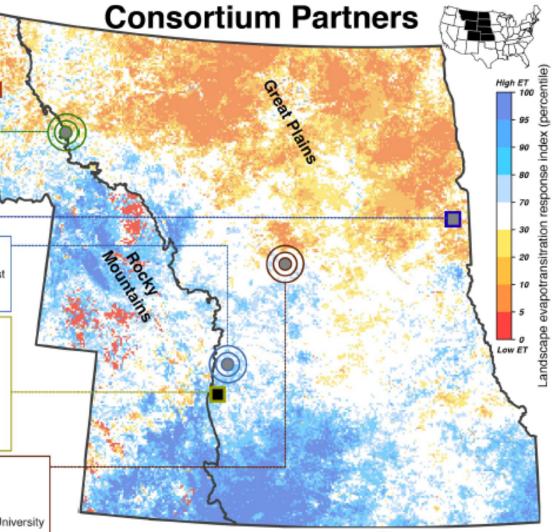
James Rattling Leaf: co-PI; tribal resources, traditional knowledge

Doug Crow Ghost*: water administrator, Standing Rock Sioux Tribe

Jason Tinent*: environmental science, Oglala Lakota College

Victor Douville*: tribal historian & traditional knowledge, Sinte Gleska University

Dana Gehring*: biology, Sinte Gleska University Chad McNutt*: drought and adaptation consultant



🛮 Host 🔳 University Partners 🌘 NGO Partners

GPTWA LEADERSHIP Role

- - ø Co-Production: Traditional knowledge and Science
 - প্ল Collaboration can enhance adaptability, impact and efficiency through resource sharing TRIBAL Partnerships
 - ø Mediate and Meet TRIBAL partnership demands
 - ø Link Climate Science to TRIBAL Policy and Decision making

Current Activities

- & Tribal Resource Managers Priority Workshop
- & Grasslands Climate Initiative
- &Climate Science Platform
- & Tribal Climate Leaders Fellowship Program
- RST-BIA (AG + NR) Climate Resiliency
 Meeting
- &2020 Tribal Climate Summit
- &Buffalo Treaty Convention

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