



NORTHERN ARIZONA  
UNIVERSITY



Institute for Tribal Environmental Professionals



## *Tribal Climate Change Newsletter*

### *July 2017*

*Welcome to ITEP's Tribal Climate Change Newsletter. This monthly newsletter provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.*

### *ITEP's Climate Change Program News*



*Monsoon clouds building over the San Francisco Peaks: Flagstaff, AZ.  
Photo credit: Dana Green*

Ya'at'eeh everyone!

Summer is in full swing, and we want to remind you about some interesting upcoming events. Register while there are still open spots.

- 1) August 14-17: Tribal Lands & Environment Forum (TLEF): Tulsa, Oklahoma
  - [http://www7.nau.edu/itep/main/Conferences/confr\\_tlef](http://www7.nau.edu/itep/main/Conferences/confr_tlef)
- 2) August 29-31: Northwest Tribal Summit: Holistic Planning for Climate Change: Polson, Montana
  - To register or more info: [ryan.evans@cskt.org](mailto:ryan.evans@cskt.org)
- 3) September 19-21: Southwestern Tribal Climate Change Summit
  - [http://www7.nau.edu/itep/main/tcc/Home/swtcc\\_Summit](http://www7.nau.edu/itep/main/tcc/Home/swtcc_Summit)

There are many great events coming up and it is hard to choose between them but whichever you choose, they are all for the betterment of our communities and people. We do hope to see you at one of the events! Until then be safe and enjoy the rest of your summer!

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#### **Newsletter**

To subscribe or unsubscribe to this newsletter, please go to [www7.nau.edu/itep/main/listsrv/](http://www7.nau.edu/itep/main/listsrv/) where you can manage your Tribes & Climate Change Listserv and other ITEP Listserv subscriptions.

#### **Tribes & Climate Change website**

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at [www7.nau.edu/itep/main/tcc/](http://www7.nau.edu/itep/main/tcc/)

-Nikki, Karen, Fletcher and Colleen

## ***In The News***

### **Spokane Tribe Preps for Industrial Push**

The Spokane Tribe of Indians is laying the ground for its next ambitious step on the West Plains—developing a 155-acre “green” industrial park to support its goal of creating its own utility company that would generate and distribute solar energy. The proposed park would be located on adjoining land northwest of the 145-acre Spokane Tribe Economic Project (STEP) that’s to include a casino-resort complex, retail space, tribal cultural space, and a fire and police station. The overall cost of that project has been estimated at \$400 million. ©2017 Journal of Business, 07/20/2017.

<https://www.spokanejournal.com/local-news/spokane-tribe-preps-for-industrial-push/>

### **Interior Dept. ordered Glacier park chief, other climate expert pulled from Zuckerberg tour**

Facebook chief executive Mark Zuckerberg flew to Glacier National Park on Saturday to tour the melting ice fields that have become the poster child for climate change’s effects on Montana’s northern Rockies. But days before the tech tycoon’s visit, the Trump administration abruptly removed two of the park’s top climate experts from a delegation scheduled to show him around, telling a research ecologist and the park superintendent that they were no longer going to participate in the tour.

© 2017 The Washington Post, 07/20/2017.

[https://www.washingtonpost.com/news/powerpost/wp/2017/07/20/climate-experts-pulled-from-glacier-national-park-tour-with-facebook-ceo-mark-zuckerberg/?tid=ss\\_fb&utm\\_term=.b6e8d223ed42](https://www.washingtonpost.com/news/powerpost/wp/2017/07/20/climate-experts-pulled-from-glacier-national-park-tour-with-facebook-ceo-mark-zuckerberg/?tid=ss_fb&utm_term=.b6e8d223ed42)

### **Climate Change Will Force Today’s Kids To Pay For Costly Carbon Removal Technologies, Study Says**

The longer humans continue to pour carbon dioxide into the atmosphere, the closer we draw to leaving the next generation with an unmanageable climate problem, scientists say. A new study, just out Tuesday in the journal *Earth System Dynamics*, suggests that merely reducing greenhouse gas emissions may no longer be enough — and that special technology, aimed at removing carbon dioxide from the atmosphere, may also be necessary to keep the Earth’s climate within safe limits for future generations. © 2017 The Washington Post, 07/19/2017.

[https://www.washingtonpost.com/news/energy-environment/wp/2017/07/19/climate-change-will-force-todays-kids-to-pay-for-costly-carbon-removal-technologies-study-says/?utm\\_term=.7f7f897ee671](https://www.washingtonpost.com/news/energy-environment/wp/2017/07/19/climate-change-will-force-todays-kids-to-pay-for-costly-carbon-removal-technologies-study-says/?utm_term=.7f7f897ee671)

### **Native American Tribes Reject Trump's Stance on Climate Change and Pledge to Uphold the Paris Agreement**

A group of Native American tribes have said they will continue to uphold the Paris Climate Change Agreement despite Donald Trump’s withdrawal from it earlier this year. Four Native American nations across three US states have joined together to “aggressively address climate change” after the federal government announced it would withdraw from the agreement, signed in December 2015. © 2017 The Independent, 07/17/2017.

<http://www.independent.co.uk/news/world/americas/native-american-us-donald-trump-paris-agreement-climate-change-uphold-accord-pledge-tribes-standing-a7844716.html>

### **Tribal, Environmental Groups Sue Over Methane Rule Delay**

The Trump administration has made rolling back environmental protections one of its primary—and arguably most successful—initiatives. But at every turn, the federal agencies in charge of these rules are being challenged in the courts. A coalition of tribal and environmental groups, represented by Earthjustice, filed a lawsuit Monday, challenging the administration’s two-year stay of the methane waste reduction rule, a regulation that required oil and gas producers on public lands to monitor and fix methane leaks. © 2017 ThinkProgress, 07/10/2017.

<https://thinkprogress.org/blm-lawsuit-methane-waste-tribes-2eeecb864803>

### **Climate Change Could Cut Southern U.S. Incomes by 20%**

Without a significant reduction in global greenhouse gas emissions, the southern portion of the United States will likely suffer broad economic devastation from the effects of climate change by the end of the 21st century, according to a new study. © 2017 Time Inc, 07/09/2017.

<http://fortune.com/2017/07/09/climate-change-southern-us-incomes/>

### **Standing Rock's Fight Against Dakota Pipeline Not Over as Tribe Plans for Fossil-Free Future**

The Standing Rock Sioux Tribe recently won a major legal victory in federal court which may have the power to force the shutdown of the \$3.8 billion Dakota Access pipeline. The judge requested additional briefings on whether the pipeline should be shut off until the completion of a full review of a potential oil spill’s impacts on fishing and hunting rights, as well as environmental justice. © 2017 Green Left Weekly, 07/09/2017.

<https://www.greenleft.org.au/content/standing-rocks-fight-against-dakota-pipeline-not-over-tribe-plans-fossil-free-future>

### **World Leaders Move Forward on Climate Change, Without U.S.**

World leaders struck a compromise on Saturday to move forward collectively on climate change without the United States, declaring the Paris accord “irreversible” while acknowledging President Trump’s decision to withdraw from the agreement. © 2017 The New York Times Company, 07/08/2017.

<https://www.nytimes.com/2017/07/08/world/europe/group-of-20-climate-change-agreement.html>

### **Climate Change Could Disrupt Tribes’ Religious Practices**

The Colorado River, one of the longest rivers in the United States, is gradually shrinking. This is partly a result of overuse by municipalities and seasonal drought. The other reason is global warming. The decline in the river reservoir will have serious implications for large U.S. cities, such as Los Angeles, that depend on the Colorado River as their water source. In addition, this will also have an impact on the Native American tribes who view the Colorado River as sacred to their religions. © 2017 High Country News, 07/07/2017.

<http://www.hcn.org/articles/opinion-will-climate-change-affect-native-american-religious-practices>

## ***Tribal Climate Change Profiles***

The tribal climate change profiles on the Tribes & Climate Change website (<http://www7.nau.edu/itep/main/tcc/Tribes/>) are intended to be a pathway to increasing knowledge among tribal and non-tribal organizations interested in learning about climate change mitigation and adaptation efforts. If your tribe or tribal organization would like to be featured in profile, please contact [Nikki.Cooley@nau.edu](mailto:Nikki.Cooley@nau.edu) or [Karen.Cozzetto@nau.edu](mailto:Karen.Cozzetto@nau.edu). We recently posted a couple of new profiles to the website:

### **The Tohono O’odham: Desert People in a Changing Environment**

The tribe is in the final stages of reviewing their Climate Change Adaptation Plan, which will likely address water issues, increasing heat, food security, and other climate-related issues, including human health and wellness, ecosystem management, and financial sustainability during major climate events. The plan will incorporate observations and priorities of tribal members, informed by research drawn from various sources that include the University of Arizona’s Center for Climate Adaptation Science and Solutions, a local O’odham partner. A big thank you to Selso Villegas, Tohono O’odham Water Resources Director, for working with ITEP to share about their adaptation planning process.

[http://www7.nau.edu/itep/main/tcc/Tribes/sw\\_toodham](http://www7.nau.edu/itep/main/tcc/Tribes/sw_toodham)

### **The Quileute Tribe: Navigating a Sea of Change**

As climate change continues to impact the Quileute community, tribal members are rethinking not only their means of sustenance but their geographic location. Federal legislation in 2012 gave the small tribe an additional square mile of higher land to which they are slowly relocating parts of their community—a limited but possibly critical option. We are grateful to the Quileute Tribe for working with ITEP to create an informative profile.

[http://www7.nau.edu/itep/main/tcc/Tribes/pn\\_quileute](http://www7.nau.edu/itep/main/tcc/Tribes/pn_quileute)

## ***Resources***

### **Article: Flawed Environmental Justice Analyses**

In many case, poor and minority communities have long been excluded from environmental decision-making (2), all federal agencies must now identify and address environmental justice issues during formal assessments and reviews of projects such as the Atlantic Coast Pipeline (3). Such projects can have wide-ranging impacts on human communities associated with land rights and property values, public safety in the event of leaks and explosions, and regional climate change exacerbated by fugitive methane emissions (4) and combustion of natural gas. In addition to these issues, Native American tribes have unique concerns deriving from their status as indigenous peoples. Tribes have deep connections to ancestral and modern-day territories, and these connections are often important to tribal concepts of identity, history, culture, spirituality, and governance. Sacred sites, archaeological resources, and natural features integrate to form cultural landscapes that are unique to each tribe. R.E. Emanuel, et al. 07/21/17.

<http://science.sciencemag.org/content/357/6348/260.1>

### **Climate Change Throws Shade on Five Vulnerable Tree Species in North Carolina**

The Carolina Hemlock has enough problems. The tree, which is native to the Appalachian Mountains, is under attack by the voracious hemlock wooly adelgid. And now climate change, with its attendant extremes in temperature and precipitation, also threatens the tree, which is found only in North Carolina and a smattering of places in Virginia. © The Progressive Pulse.

<http://pulse.ncpolicywatch.org/2017/06/25/climate-change-throws-shade-five-tree-species-north-carolina/#sthash.EIKufZQc.dpbs>

### **Article: Estimating Economic Damage from Climate Change in the United States**

Episodes of severe weather in the United States, such as the present abundance of rainfall in California, are brandished as tangible evidence of the future costs of current climate trend. Hsiang *et al.* collected national data documenting the responses in six economic sectors to short-term weather fluctuations. S. Hsiang, *et al.* 06/30/2017.

#### **How Climate Change and Air Pollution Can Affect Your Health**

While climate change and pollution are often discussed in terms of environmental damage, they can also greatly impact public health. Without that climate stability, Shaman and other public health officials have found that there are risks to public health from multiple factors including extreme weather, spreading populations of insects and irritating airborne pollutants. © 2017 ABC News. 06/02/2017.

<http://abcnews.go.com/Health/climate-change-air-pollution-affect-health/story?id=47789973>

#### **Model Development for Climate-Driven Impacts to Berry Resources in Alaska**

USGS scientists Rachel Loehman, Nicole Herman-Mercer, and AK CSC's Ryan Toohey worked with partners from the Chevak Traditional Council and Kotlik Tribal Council to collect local ecological and spatial data from long-term residents of the Yukon-Kuskokwim Delta, Alaska, as part of a project to develop ecological models and vulnerability assessments for climate-driven impacts to berry resources in the region. Maps and models from this project are expected to be available in early 2018.

<https://csc.alaska.edu/research-highlights/model-development-climate-driven-impacts-berry-resources-alaska>

#### **Indigenous Knowledge Systems Can Help Solve the Problems of Climate Change**

Indigenous knowledges have been greatly suppressed as a part of the colonial process in Australia. Our people lived completely sustainably, and in balance with each other and country, for over 60,000 years. We kept our country clean through practices like fire-stick farming, we monitored our species of animals and plants through our totem systems. 06/01/2017.

<https://www.theguardian.com/commentisfree/2017/jun/02/indigenous-knowledge-systems-can-help-solve-the-problems-of-climate-change>

#### **The Importance of Research Ethics to Native Communities**

The new Common Rule revisions modernize, simplify, and enhance oversight for human subjects research in the United States. Under the Common Rule, the Institutional Review Board is intended to review and approve research involving human subjects, protecting their rights and welfare. 06/08/17.

<https://www.hhs.gov/blog/2017/06/08/importance-research-ethics-native-communities.html>

### *Other Items of Interest*

#### **The 1854 Ceded Territory Climate Change Vulnerability Assessment and Adaptation Plan receives the 2017 Climate Adaptation Leadership Award for Natural Resources**

The 1854 Treaty Authority, Grand Portage Band of Lake Superior Chippewa, Boise Forte Band of Chippewa, and Fond du Lac Band of Lake Superior Chippewabeen, who developed the plan, were recognized for their work in the Tribal Government category for "demonstrating exemplary leadership in reducing climate-related threats and promoting adaptation of the nation's natural resources."

[http://www.1854treatyauthority.org/images/ClimateAdaptationPlan\\_Final-July\\_2016-optimized\(1\).pdf](http://www.1854treatyauthority.org/images/ClimateAdaptationPlan_Final-July_2016-optimized(1).pdf)

#### **AmeriCorps VISTAs & Tribal Resilience**

AIHEC is seeking TCUs, Tribal governmental agencies and Tribally-based non-profit organizations to host full-time, college educated, VISTAs through the AIHEC tribal VISTA program. These volunteers can help provide capacity for community-driven projects that address pressing local climate change concerns. Contact John Phillips at [jphillips@aihec.org](mailto:jphillips@aihec.org). 2017.

<https://www.nationalservice.gov/programs/ameriCorps/ameriCorps-initiatives/resilience-ameriCorps>

#### **Application Period Open to Participate in Climate Science Center Review Teams**

Potential members are being solicited for three teams to conduct reviews of the Northeast CSC in Amherst, MA, the South Central CSC in Norman, OK; and the Pacific Islands CSC in Honolulu, HI. **Pacific Island CSC – 5:00 p.m. (EDT), Friday, August 4, 2017**

<https://nccwsc.usgs.gov/content/application-period-open-participate-climate-science-center-review-teams>

#### **Call for Applicants: BIA Water Resources Technician Training Program**

The Stewards Individual Placement Program is currently accepting applications for service members to participate in the BIA Water Resources Technician Training Program. This 26-week service term includes 4 weeks of intensive water related course work at the University of Arizona, followed by 22 weeks of paid in the field service work with a Federal, State, or local agency, performing water related duties. This program is fully funded and provides a stipend during the 22-week service term. Service locations are located around the country. This program is open to 18 - 34-year-old Native individuals. All

educational backgrounds are encouraged to apply, with preference to those who has experience in water resources or conservation. Interested applicants can apply at [www.stewardslegacy.org/join](http://www.stewardslegacy.org/join) (near the bottom of the page). For more information or questions, please contact Caroline Smith, Program Coordinator, at 304-522-1211 or [caroline@conservationlegacy.org](mailto:caroline@conservationlegacy.org)

#### **Graduate Student Position – University of Alaska Fairbanks**

UAF is seeking an Alaska Native graduate student (current or prospective) to join their team and the student may pursue Master's or Ph.D. studies in Rural Development, Indigenous Studies, or Fisheries. Student must be based in Alaska, but location is flexible. Students must be willing to travel to rural communities across Alaska. They offer two full years of funding (tuition, stipend, and benefits). Expected start date is fall 2017. Applications, including CV, statement of interest, copy of transcript(s), and names and contact information of three references should be emailed to by **August 11**. <https://sites.google.com/a/alaska.edu/carothers/research/graduate-student-recruitment>

#### **Job Announcement: Assistant Professor – University of Georgia**

This is an academic year (9-month, 0.75-EFT), tenure-track, 0.50-EFT research, 0.25-EFT teaching appointment offered at the rank of Assistant Professor. Individuals with experience in the broad areas of forest ecology and/or tree physiology are encouraged to apply. Applicants working at the organism, population, or ecosystem scale are welcome with preference for those who work to scale processes to whole ecosystems or landscapes. Responsibilities will include developing an active research program supported by extramural funding, teaching or co-teaching courses related to forest ecology/tree physiology at the undergraduate level (e.g., dendrology or ecology of natural resources), and developing graduate level courses in their area of expertise.

<https://facultyjobs.uga.edu/postings/2514>

### ***Funding Opportunities***

NOTE: More Funding Opportunities can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Resources/funding>. Also, see the Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>

#### **Underrepresented Community Grants (NPS)**

In FY2017, Congress appropriated \$500,000 for grants that support survey, inventory, and designation of historic properties in underrepresented communities. Eligible projects will must result in the submission of a new nomination to the National Register/National Historic Landmark, or an amendment to an existing NR/NHL nomination to include the underrepresented community. Eligibility includes federally recognized tribes, Alaska Native Groups, Native Hawaiian Organizations & Tribal Historic Preservation Offices. Funding opportunity #: P17AS00399. **Deadline: 07/31/17**.

<https://www.nps.gov/preservation-grants/community-grants.html>

#### **Agriculture and Food Research Initiative - Water for Food Production Systems Challenge Area (NIFA)**

This AFRI Challenge Area focuses on multidisciplinary systems approaches, which integrate new technologies and strategic management that solve water availability and quality challenges in food production systems. The long-term goal of this program is to sustainably increase agricultural productivity and availability of safe and nutritious food while significantly reducing water use and preserving water quality. The projects are expected to transform how abundant, safe, and nutritious food is produced, processed, distributed, and consumed within the limits of available water from traditional and non-traditional sources. Applications are invited from eligible entities to submit integrated Research, Education and/or Extension projects in two specific grant types: Coordinated Agricultural Projects (CAP) and Strengthening (Food and Agricultural Science Enhancement) CAP grants — see Water for Food Production Systems RFA for details. **Deadline: 08/02/17**

<https://nifa.usda.gov/funding-opportunity/agriculture-and-food-research-initiative-water-food-production-systems-challenge>

#### **BLM-CO Gunnison Basin Wet Meadow Restoration and Climate Change Adaptation Project (BLM)**

The objective of this FOA is to collaborate with a cooperator to accomplish the following: 1) Increase ecosystem resilience by restoring hydrologic function of wet meadow and riparian habitats at a scale large enough to help the Gunnison sage-grouse, other sagebrush dependent wildlife and ranchers who depend on these habitats for their livelihoods. Eligibility is unrestricted. Funding opportunity #: L17AS00188. **Deadline: 08/25/17**.

<https://www.grants.gov/web/grants/search-grants.html>

#### **Coastal Program (FWS)**

This funding opportunity is to provide direct technical assistance and financial assistance to coastal communities and landowners to restore and protect fish and wildlife habitat on public and private lands. Projects should specify benefits for species and habitats considering the expected effects of climate change. Eligibility includes federally recognized tribal governments. Funding opportunity #: F17AS00014. **Deadline: 08/30/17**.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=289863>



**Tribal Preservation Program (HPF)**

This annually appropriated funding provides Tribes, that have signed agreements with the National Park Service, designating them as having an approved Tribal Historic Preservation Officer (THPO) to protect and conserve important Tribal cultural and historic assets and sites. The grant funding assists THPOs in executing their tribe's historic preservation programs and activities pursuant to the National Historic Preservation Act of 1996, as amended, and other relevant laws. Eligibility includes federally recognized tribes with signed THPO partnership agreements with NPS. Funding opportunity #: P17AS00070. **Deadline: 08/31/17.**

<https://www.nps.gov/thpo/grants/index.html>

**FWS Tribal Wildlife Grants Program (US FWS)**

FWS announced funding to provide assistance to tribal governments in programs that benefit wildlife and habitat of tribal cultural or traditional importance, including species that are not hunted or fished. Activities may include, but are not limited to, planning for wildlife and habitat conservation, fish and wildlife conservation and management actions, fish and wildlife related laboratory and field research, natural history studies, habitat mapping, field surveys and population monitoring, habitat preservation, conservation easements, and public education that is relevant to the project. The funds may be used for salaries, equipment, consultant services, subcontracts, acquisitions and travel. Funding opportunity #: F17AS00211.

**Deadline: 09/01/17.** <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293813>

**FY18 National Climate Change & Wildlife Science Center Program (USGS)**

This program was created to ensure that the National Climate Change and Wildlife Science Center is responsive to the research and management needs of Federal and State agencies to provide science and technical support regarding the impacts of climate change in fish, wildlife, plants and ecological processes. The Climate Science Centers will provide access to the expertise at cooperating universities and supports the mission of the Climate Science Center Program. Eligibility includes tribal entities. Funding opportunity #: G17AS00066. **Deadline: 09/07/17.**

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=294773>

**Climate Program Office 2018 (NOAA)**

The National Oceanic and Atmospheric Administration (NOAA) is focused on providing the essential and highest quality environmental information vital to our Nation's safety, prosperity and resilience. Toward this goal, the agency conducts and supports weather and climate research, oceanic and atmospheric observations, modeling, information management, assessments, interdisciplinary decision-support research, outreach, education, and partnership development. Eligibility includes federally recognized Indian tribal governments. Funding opportunity #: NOAA-OAR-CPO-2018-2005133. **Deadline: 09/11/17.**

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=293866>

**Grant Program to Assess, Evaluate and Promote Development of Tribal Energy and Mineral Resources (BIA)**

Federally-recognized Indian tribes and tribal energy resource development organizations for projects that assess, evaluate, or otherwise promote the processing, use, or development of energy and mineral resources on Indian lands. Funding opportunity # BIA-000-0006-DEMD. **Deadline 09/25/17.**

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=295078>

**FWS Coastal Program (US FWS)**

FWS announced funding to provide direct technical assistance and financial assistance to coastal communities and landowners to restore and protect fish and wildlife habitat on public and private lands. Projects should specify benefits for species and habitats considering the expected effects of climate change. FWS will favor conservation activities and projects that incorporate ecosystem adaptation and help coastal ecosystems and communities adapt to the effects of sea level rise and greenhouse gases. Funding opportunity #: F17AS00014. **Deadline 09/30/17.** <https://www.grants.gov/web/grants/view-opportunity.html?oppld=289863>

## *Upcoming Events*

**NOTE:** More Upcoming Events can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Home/Events>

**August 2017****Webinar: Climate Change + Health Equity: Telling the Story With Data**

August 02, 10:00-11:30 AM PST. Offered by County of San Luis Obispo Health Agency. National and state leaders will address health equity and data tools available to integrate equity into climate communications and adaptation planning.

<http://www.healslo.com/webinar/>

**Webinar: Developing Effective Drought Monitoring Tools for Farmers and Ranchers in the South Central U.S.**

August 07, 1:00-2:00 PM EDT. Offered by National Climate Change and Wildlife Science Center.

Presentation by Mark Shafer, University of Oklahoma & Steven Quiring, Ohio State University. This project investigated the information needs of farmers, ranchers, and local land managers in the South Central region to develop drought monitoring tools that are effective and responsive to their needs. Several drought indicators were evaluated for their effectiveness and compared to responses from a regional survey on commonly-used drought indicators, impacts, and management strategies.

[https://events-](https://events-na8.adobeconnect.com/content/connect/c1/1089783514/en/events/event/shared/2120076683/event_landing.html?sco-id=2119875452& charset =utf-8)

[na8.adobeconnect.com/content/connect/c1/1089783514/en/events/event/shared/2120076683/event\\_landing.html?sco-id=2119875452& charset =utf-8](https://events-na8.adobeconnect.com/content/connect/c1/1089783514/en/events/event/shared/2120076683/event_landing.html?sco-id=2119875452& charset =utf-8)

**Training: Pre-Meeting Workshop: Gray Wolf Management Workshop****Native American Fish & Wildlife Society Southwest Regional Conference**

August 07, Mescalero, NM. Offered by the NAFWS. The primary goal of a Gray Wolf Management Workshop is for the Tribes in the southwest to hear directly from Tribal biologists and natural resource managers from areas outside of the southwest, including Tribes from, but not limited to, Montana, Idaho, Wyoming, and Oregon about wolf management on other reservation lands. The primary audience for the workshop will be the southwestern Tribes and Pueblos, FWS, and other agencies involved with Mexican wolf recovery and management.

*Point of Contact:* Dr. Sarah E. Rinkevich, Fish & Wildlife Service; 202-527-3964; [sarah\\_rinkevich@fws.gov](mailto:sarah_rinkevich@fws.gov)

**Training: Pre-Meeting Workshop: Southwest Tribal Forum on Climate Change****Native American Fish & Wildlife Society Southwest Regional Conference**

August 07, Mescalero, NM. The Forum is sponsored by the NAFWS SW Region, and Desert, Great Basin, and Southern Rockies Landscape Conservation Cooperatives. This is a great opportunity to share experiences of how climate change and other stressors are impacting Tribes and ways to address those impacts, including adaptation strategies and practices.

*Point of Contact:* Kevin Johnson, Coordinator, Southern Rockies LCC; [kevin\\_m\\_johnson@fws.gov](mailto:kevin_m_johnson@fws.gov)

**Conference: Energy in the Southwest**

August 21-22, Santa Fe, NM. Offered by the Law Seminars International. The program will provide a forum and opportunity for in-depth and interactive discussions of the potential impacts of the federal energy and environmental policy shifts, how states in our region are reacting and changes expected at DOE, FERC, EPA and other agencies. We will also explore the future for natural gas and coal-fired power plants, climate change and carbon reduction initiative at the state and federal levels.

<http://www.lawseminars.com/seminars/2017/17BSENM.php>

**ITEP Training: Climate Change Adaptation Training**

August 22-24, Presque Isle, Maine. Offered by the Institute for Tribal Environmental Professionals (ITEP). The course provides an introduction to planning for climate change impacts, including identifying impacts, vulnerabilities, and adaptation strategies; and tools, resources, and partnerships. The course is intended for tribal environmental and natural resource professionals and other tribal staff who expect to be involved in climate change adaptation planning within the Northeast region of the United States.

[http://www7.nau.edu/itep/main/Training/training\\_cc](http://www7.nau.edu/itep/main/Training/training_cc)

**Training: Leadership Workshop for Early Career Women in Science**

August 24-25, Fairbanks, AK. Offered by AK CSC. This workshop will combine the expertise of women in leadership at UA with elements from Homeward Bound. They will help build skills to lead expeditions, science outreach and education activities or resource management and policy discussions; and to build a network among UA early career female scientists and supporters.

<https://csc.alaska.edu/events/leadership-workshop-early-career-women-science>

**Training: Four Corners Region: Adaptation Forum Workshops**

August 29-30, Durango, CO. Offered by the SR LCC. Building upon the input we received from resource managers during the 2016 Adaptation Forum workshops in the Four Corners (Durango) and Upper Rio Grande (Albuquerque) regions, the Southern Rockies Landscape Conservation Cooperative (SRLCC) is hosting the second phase of workshops. Workshop participants will have the opportunity to review vulnerability assessments (VAs) and test first-hand how data and decision-support products can be used to assess landscape condition and identify optimal locations for conservation actions, and to discuss collaborative conservation strategies.

<https://southernrockieslcc.org/news/update-regional-landscape-conservation-efforts-southern-rockies>

**September 2017****Training: Upper Rio Grande Region: Adaptation Forum Workshops**

September 06-07, Taos, NM. Offered by the SR LCC. Building upon the input we received from resource managers during

the 2016 Adaptation Forum workshops in the Four Corners (Durango) and Upper Rio Grande (Albuquerque) regions, the Southern Rockies Landscape Conservation Cooperative (SRLCC) is hosting the second phase of workshops. Workshop participants will have the opportunity to review vulnerability assessments (VAs) and test first-hand how data and decision-support products can be used to assess landscape condition and identify optimal locations for conservation actions, and to discuss collaborative conservation strategies.

<https://southernrockieslcc.org/news/update-regional-landscape-conservation-efforts-southern-rockies>

**Training: 2017 DNR Climate Adaptation**

September 13-14, Cloquet, MN. Offered by the University of Minnesota. This workshop is open only to Department of Natural Resources employees, and designed to help them incorporate climate change in to natural resources management. Specifically, participants are provided with training on climate change effects on forest ecosystems and forested watersheds, and also how to develop customized actions to adapt and prepare for change.

<https://sfec.cfans.umn.edu/2017-workshop-forest-adaptation-planning-and-practices>

**Conference: Uplift 2017**

September 15-17, Moab, UT. Offered by the Grand Canyon Trust & Landscape Conservation Initiative. This is climate justice conference is created for, and by, young people. This outdoor gathering brings together young adults from all over the Colorado Plateau to shape the dialogue of climate justice and conservation within our home landscape. This year's conference will be focusing on the theme of community, telling the narratives of our unique landscapes and resilient communities, and using storytelling as our greatest tool for resistance.

<http://upliftclimate.org/>

**Conference: 2017 Southwest Tribal Climate Change Summit**

September 19-21, San Diego, CA. The summit is a cooperative endeavor co-sponsored by the La Jolla Band of Luiseño Indians, the University of San Diego's Climate Education Partners (CEP), ITEP and the Climate Science Alliance (CSA), and made possible by support and funding from the U.S. Bureau of Indian Affairs (BIA) Tribal Resilience Program. The Summit aims to provide environmental professionals from regional tribes, and other organizations an opportunity to meet and discuss strategies to respond to current policies, regulatory initiatives, and technical topics in responding to climate change impacts.

[http://www7.nau.edu/itep/main/tcc/Home/swtcc\\_Summit](http://www7.nau.edu/itep/main/tcc/Home/swtcc_Summit)

**October 2017**

**Conference: 8th Annual Northwest Climate Conference**

October 10-11, Tacoma, WA. Offered by the UW Climate Impacts Group. This conference annually brings together more than 300 researchers and practitioners from around the region to discuss scientific results, challenges, and solutions related to the impacts of climate on people, natural resources, and infrastructure in the Pacific Northwest.

<http://pnwclimateconference.org/>

**Conference: Behavior, Energy & Climate Change Conference**

October 15-18, Sacramento, CA. Offered by ACEEE, BECI and Stanford University. This conference is focused on understanding the behavior and decision-making of individuals and organizations and using that knowledge to accelerate our transition to an energy-efficient and low-carbon future.

<http://becccconference.org/>

**Conference: California Invasive Plant Council Symposium**

October 24-27, Palm Springs, CA. Offered by the CIPC. Land managers, researchers, and conservationists will gather to learn about the latest in invasive plants from riparian, grassland, mountain, coastal, and aquatic/wetland habitats.

<http://cal-ipc.org/symposia/index.php>

**November 2017**

**Conference: 11<sup>th</sup> Graduate Climate Conference**

November 10-12, Woods Hole, MA. Offered by MIT Program in Atmospheres, Oceans & Climate and Woods Hole Oceanographic Institution. The goal is to provide a discussion forum for graduate students undertaking research on climate and climate change in an array of disciplines throughout the physical sciences, biological sciences, social sciences, and humanities. <http://gradclimateconf.mit.edu/>

**December 2017**

**Conference: American Geophysical Union (AGU) Fall Meeting**

December 11-15, New Orleans, LA. Offered by AGU. This Fall Meeting brings together the entire Earth and space science



community from across the globe for discussions of emerging trends and the latest research. The technical program includes presentations on new and cutting-edge science you can't get anywhere else. The meeting will offer something for everyone, from every scientific discipline.  
<https://fallmeeting.agu.org/2017/>

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