



NORTHERN ARIZONA  
UNIVERSITY



Institute for Tribal Environmental Professionals

## *Tribal Climate Change Newsletter*

### *March 2015*

*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**



Owens Valley in eastern California, and the eastern escarpment of the Sierra Nevada mountain range. ITEP will be holding a climate change training in Bishop, CA, which is near the northern end of Owens Valley.

Photo credit: G.Thomas, <http://commons.wikimedia.org/wiki/File:SierraEscarpmentCA.jpg>

Registration is open for the **Climate Change Adaptation Planning course** scheduled for June 16-18 in Bishop, CA, and hosted by the Bishop Paiute Tribe—registrations received by **April 27** will have priority consideration. Since the course will focus on climate change impacts and adaptation strategies in the Great Basin, we especially encourage tribal environmental and natural resource professionals from the region to attend. Tribal representatives from other parts of the country are also welcome. We are offering the course in collaboration with the Great Basin Landscape Conservation Cooperative and with funding support from the Bureau of Land Management. Registration forms are available at:

[http://www4.nau.edu/itep/climatechange/tcc\\_trainings.asp](http://www4.nau.edu/itep/climatechange/tcc_trainings.asp) The Bishop Paiute Tribe, Project WET and the CA Dept. of Water Resources are planning a 1-day Project Wet training, "Understanding Climate Change in California" on the day prior to the ITEP training, on Monday, June 15. Please contact BryAnna Vaughan ([bryanna.vaughan@bishoppaiute.org](mailto:bryanna.vaughan@bishoppaiute.org)), Water Quality Coordinator, Bishop Paiute Tribe for more information about the Project Wet training.

The Institute for Tribal Environmental Professionals (ITEP), the National Tribal Air Association (NTAA), and the Nottawaseppi Huron Band of the Potawatomi invite you to attend the 16th Annual **National Tribal Forum on Air Quality (NTF)** on May 19-21 in Battle Creek, MI ([http://www4.nau.edu/itep/conferences/confr\\_ntf.asp](http://www4.nau.edu/itep/conferences/confr_ntf.asp)). All tribal environmental professionals, US EPA representatives, and members of national or local organizations with interests in air quality and climate change issues in Indian Country are encouraged to attend. This conference is designed to allow attendees a venue to share with and learn from one another. Winona LaDuke, acclaimed Native American author, orator, and activist, will give the Keynote Address.

— Sue Wotkyns

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#### Newsletter

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#### Tribes & Climate Change website

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at [www4.nau.edu/tribalclimatechange](http://www4.nau.edu/tribalclimatechange)

## *In The News*

### **Hot Alaska: When it Comes to Winter Weather, the State Known for Cold and Snow is on Thin Ice**

As temperatures dropped and snow climbed to record heights in East Coast cities like Boston, many parts of Alaska this winter warmed to record highs for the second winter in a row, and rain fell instead of snow, putting a major damper on the state's normally robust wintertime recreation culture. © 2015 Al Jazeera America, LLC, 3/19/15.

<http://projects.aljazeera.com/2015/03/hot-alaska/>

### **California Tightens Drought Rules as Water Supply Dwindles to One Year**

Faced with a fourth year of drought, California officials on March 17 adopted emergency measures in an attempt to keep what is left of the state's water supply intact. © 2015 Indian Country Today Media Network, LLC, 3/18/15.

<http://indiancountrytodaymedianetwork.com/2015/03/18/california-tightens-drought-rules-water-supply-dwindles-one-year-159642>

### **Navajo Nation Reaches Out to IACHR in San Francisco Peaks Battle**

The Navajo Nation is seeking international help to protect its sacred San Francisco Peaks from reclaimed sewage water being used by the Arizona Snowbowl ski resort. The Nation has filed a complaint against the United States with the Inter-American Commission on Human Rights, alleging violations of the Navajo people's rights to practice their religion and culture. If heard, the complaint would be addressed by commissioners representing countries throughout the western hemisphere and tasked with protecting fundamental human rights. © 2015 Indian Country Today Media Network, LLC, 3/17/15.

<http://indiancountrytodaymedianetwork.com/2015/03/17/navajo-nation-reaches-out-iachr-san-francisco-peaks-battle-159626>

### **Meskwaki Nation Opposes New Pipeline Threat That Could Rival Keystone XL**

The Sac & Fox Tribe of the Mississippi in Iowa (Meskwaki Nation) has formally lodged its opposition to a 1,100-mile-long underground pipeline that would carry 570,000 barrels of Bakken crude daily across 343 miles of Iowa to Patoka, Illinois and from there to the Gulf Coast. © 2015 Indian Country Today Media Network, LLC, 3/16/15.

<http://indiancountrytodaymedianetwork.com/2015/03/16/meskwaki-nation-opposes-new-pipeline-threat-could-rival-keystone-xl-159631>

### **Groups File Suit to Protect Chaco Canyon From Fracking**

Environmental groups including the Navajo organization Diné CARE filed suit against two federal agencies on March 11 in an attempt to keep fracking from harming the ancient astronomical site of Chaco Canyon. © 2015 Indian Country Today Media Network, LLC, 3/12/15.

<http://indiancountrytodaymedianetwork.com/2015/03/12/groups-file-suit-protect-chaco-canyon-fracking-159576>

### **Fight Climate Change by Preserving 'Our Ancient Knowledge' Tribe Says With New Exhibit**

The Colorado Plateau Inter Tribal Gathering is fighting climate change by preserving its ancient dry farming practices. A new exhibit "Preserving Our Seeds and Farmer Knowledge" showcases efforts by elders and leaders from 12 tribes to preserve dry farming practices that have allowed native peoples to flourish for thousands of years and protect ancient crops, including corn, from GMO contamination. © 2015 Indian Country Today Media Network, LLC, 3/11/15.

<http://indiancountrytodaymedianetwork.com/2015/03/11/fight-climate-change-preserving-our-ancient-knowledge-tribe-says-new-exhibit-159555>

### **California Students Research Impacts of Drought on Tribes**

As part of a Nature and World Cultures class, co-sponsored by the Humanities and Environmental Studies departments at San Jose State University, groups are required to turn in a research project in which they choose a topic relating to a how a tribe has changed their relationship with specific aspects of nature. One group chose to tackle how the drought in California is affecting California tribes. This project has been very minimally edited by ICTMN. It is presented here as the students handed it in. © 2015 Indian Country Today Media Network, LLC, 3/9/15.

<http://indiancountrytodaymedianetwork.com/2015/03/09/california-students-research-impacts-drought-tribes-159410>

### **Round Valley First Forest Carbon Offset Project on Native Trust Land for California**

The discussions of climate change and carbon footprints are important subjects within Indian country, and on February 24 the Round Valley Indian Tribes became a part of history as far as carbon emissions goes. Round Valley and New Forests on Tuesday announced the regulatory approval of the first forest carbon offset project developed on Native American trust land for the California carbon market. © 2015 Indian Country Today Media Network, LLC, 2/26/15.

<http://indiancountrytodaymedianetwork.com/2015/02/26/round-valley-first-forest-carbon-offset-project-native-trust-land-california-159386>

## Resources

### **Changing the Atmosphere: Anthropology and Climate Change** (American Anthropological Association Task Force on Climate Change)

Report documents the relevance of anthropological work to both the causes and consequences of climate change, gives selected examples of this work and relevant literature, and points to the important work that anthropologists can do on this issue in the future. Above all, it emphasizes that 'Climate change is not a natural problem, it is a human problem'. 2014.

<http://www.aaanet.org/cmtes/commissions/upload/GCCTF-Changing-the-Atmosphere.pdf>

### **Climate Change, Coastal Tribes and Indigenous Communities** (USGS)

Summaries of current and ongoing scientific research into climate change, sea level rise, and the impact on coastal communities by several DOI Climate Science Centers. Blog post, 3/15/15.

[http://www.usgs.gov/blogs/features/usgs\\_top\\_story/climate-change-coastal-tribes-and-indigenous-communities/](http://www.usgs.gov/blogs/features/usgs_top_story/climate-change-coastal-tribes-and-indigenous-communities/)

### **Climate Change Effects on Forests and Grasslands** (USFS)

The USDA Forest Service Climate Change Resource Center has released a new interactive online education module on climate change effects on forests and grasslands. The module gives a brief overview of climate change effects on water resources, vegetation growth, wildlife, and disturbances. The CCRC's first education module, "[Climate Change Science and Modeling](#)", provides a basic climate change foundation, and this new module builds on that foundation, examining climate change effects around the country. Interactive features allow users to control their learning experience, with opportunities to explore outside links, learn relevant facts, and explore examples of effects on different ecosystems.

<http://www.fs.usda.gov/ccrc/climate-basics/education/climate-change-effects>

### **US Climate Resilience Toolkit – Water ResourcesTopic Area**

The US Climate Resilience Toolkit's Water Resources topic area is now live. Explore climate-related risks and opportunities related to municipal water supplies, flooding, drought, and water-related ecosystems. You'll also find tools and case studies to help manage water-related climate risk and build resilience.

US Climate Resilience Toolkit homepage: <http://toolkit.climate.gov/>

Water Resources topic: <http://toolkit.climate.gov/topics/water-resources-0>

## Other Items of Interest

### **Climate Change Disproportionately Affects Native Communities** (KSFR News)

Interview with Ann Marie Chischilly, Executive Director of the Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University, who works closely with indigenous communities on environmental issues. To learn more about this work go to the ITEP website at <http://www4.nau.edu/itep/>. You can also google Guidelines for Considering Traditional Knowledges (TKs) in Climate Change Initiatives and give input at any time. According to Chischilly the document is a living one, that should reflect the Knowledge of Native peoples around the country. ©2015 Northern New Mexico Radio Foundation, 3/2/15. 7 min audio.

<http://ksfrnews.libsyn.com/march-2-climate-change-disproportionately-affects-native-communities>

### **2015 Tribal Clean Energy Project Awards**

The US Department of Energy has selected 11 tribal communities to receive nearly \$6 million in funding to implement clean energy and energy efficiency retrofit projects for tribal buildings and deploy clean energy systems on a community scale on Indian lands. The Department's funding is expected to be leveraged by nearly \$7.5 million in tribal cost share. A list of the projects and DOE press release are available here: [http://apps1.eere.energy.gov/tribalenergy/projects\\_selected\\_2015.cfm](http://apps1.eere.energy.gov/tribalenergy/projects_selected_2015.cfm).

### **\$4.5 million program to explore agriculture and water management on tribal lands**

USDA-funded 'Native Waters on Arid Lands' brings together scientists, 1862 and 1994 land-grant institutions and tribal communities of Great Basin and Southwest to address agricultural water challenge. A competitive, \$4.5 million grant awarded by the U.S. Department of Agriculture's National Institute of Food and Agriculture will integrate research and Extension to help Great Basin and Southwestern tribal communities develop plans, policies and practices for sustainable agriculture and water management. 3/24/15.

<http://www.unr.edu/nevada-today/news/2015/native-waters>

## Funding Opportunities

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

[http://www4.nau.edu/tribalclimatechange/resources/res\\_funding.asp](http://www4.nau.edu/tribalclimatechange/resources/res_funding.asp). Also, see the **Tribal Climate Change Funding and Program Guide** developed by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://envs.uoregon.edu/tribal-climate/>

**Strengthening the Public's and/or K-12 Students' Environmental Literacy for Community Resilience to Extreme Weather Events and Environmental Changes (NOAA)**

The goal of this Federal Funding Opportunity (FFO) is to strengthen the public's and/or K-12 students environmental literacy to enable informed decision-making necessary for community resilience to extreme weather events and environmental changes. Projects will be based on the latest science about the threats and vulnerabilities facing communities and consider socio-economic and ecological factors. NOAA will consider funding a wide range of project types, but all projects must actively engage participants in learning about and addressing real-world issues. Eligibility includes Indian tribal governments. Funding opportunity # NOAA-SEC-OED-2015-2004408. Deadline 4/13/15.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=274854>

**Tribal Cooperative Landscape Conservation Program (BIA)**

The Tribal Cooperative Landscape Conservation Program will award up to \$8 million in order to support Federally Recognized Tribes and tribal organizations whose proposals are supported by a tribal resolution. Of the \$8 million, \$4 million will be available for Climate Adaptation Planning and another \$4 million for Ocean and Coastal Management Planning. Awards will be made to projects that address climate change impacts through vulnerability analysis, adaptation planning, and increased monitoring cycles for climate adaptation management, as well as to projects that ensure ocean and coastal (including the Great Lakes) resource health, resiliency, community safety, and economic security for present and future generations. Eligibility: Any federally recognized tribe (or tribal organization whose application is supported by a tribal resolution). Deadline: 4/24/15.

<http://www.indianaffairs.gov/WhoWeAre/BIA/OTS/NaturalResources/climatechange/index.htm>

**Rural Energy for America Program (REAP) (USDA)**

USDA's Rural Business Cooperative-Service Agency, under the Rural Energy for America Program, is accepting applications for Renewable Energy Systems and Energy Efficiency Improvement grants of \$20,000 or less to establish programs to assist agricultural producers and rural small businesses with evaluating the potential to incorporate renewable energy technologies into their operations. Eligibility includes tribal governments and instrumentalities tribal governments. Deadline: 4/30/15.

<http://www.gpo.gov/fdsys/pkg/FR-2014-12-29/pdf/2014-30184.pdf>

**Strategic Technical Assistance Response Team (START) Renewable Energy Project Development Assistance Program (DOE)**

The DOE Office of Indian Energy plans to select up to five projects from the applicant pool to receive START technical assistance. START assistance is intended to help renewable energy projects that are in later stages of development reach a late-stage development decision point or milestone. Eligibility: Indian Tribes, Alaska Native regional corporations, and formally organized tribal energy resource development organizations. Deadline: 5/1/15.

<http://www.energy.gov/indianenergy/start-renewable-energy-project-development-assistance>

## *Upcoming Events*

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

[www4.nau.edu/tribalclimatechange/events.asp](http://www4.nau.edu/tribalclimatechange/events.asp)

### **April 2015**

- **Training (online): Water in the Western United States**

April 1-30. 4-6 hours/week of work. Offered by University of Colorado Boulder through Coursera. This course combines an overview of the science behind water and climate in the Western United States with a survey of the major legal, political, and cultural issues focused on this precious resource. <https://www.coursera.org/course/waterwestus>

- **Webinar: Tamarisk invasion & fire in Southwestern desert ecosystems**

April 2, 10 am Pacific. Desert LCC and Southwest Fire Science Consortium Webinar. Increased wildfire has been observed with the displacement of native cottonwood-willow (*Salix* and *Populus* spp.) gallery forests by invasive, non-native tamarisk (*Tamarix* spp.) in desert riparian zones of North America. Greater post-fire recovery of *Tamarix* relative to native species suggests a *Tamarix* fire trajectory where repeated fire excludes native riparian species. This work synthesizes several experiments and addresses 2 questions: 1) Is there a positive feedback between *Tamarix* and fire



intensity that excludes native vegetation? 2) Can the Tamarix fire trajectory be altered to allow the coexistence of natives?

[https://www.eventbrite.com/e/tamarisk-invasion-and-fire-in-southwestern-desert-ecosystems-registration-16241593042?utm\\_source=SW+Fire+Science+Consortium&utm\\_campaign=65bc4edacd-tamarisk+fire+webinar&utm\\_medium=email&utm\\_term=0\\_0b55a38cb2-65bc4edacd-26484557](https://www.eventbrite.com/e/tamarisk-invasion-and-fire-in-southwestern-desert-ecosystems-registration-16241593042?utm_source=SW+Fire+Science+Consortium&utm_campaign=65bc4edacd-tamarisk+fire+webinar&utm_medium=email&utm_term=0_0b55a38cb2-65bc4edacd-26484557)

- **Webinar: One Size Doesn't Fit All: Why Variation in Hydrology and Policy Frameworks mean that Drought Looks Different across the West**

April 8, 11:00 am MDT. Western Governors' Drought Forum Webinar. Throughout the Drought Forum, contributors have emphasized that local solutions tailored to the unique needs of communities, hydrologic conditions, and policy frameworks are the most effective approaches to drought management. In this webinar, speakers will discuss the ways that policymakers can promote these localized drought management practices. Panelists and participants will be asked to explore how key themes from the Western Governors' Drought Forum initiative can be shared in a way most relevant to on-the-ground implementers.

<https://westerngovernors.webex.com/mw0401sp12/mywebex/default.do?siteurl=westerngovernors>

- **Webinar: Indigenous Knowledge and Use of Ocean Currents in the Bering Strait Region**

April 9, 10-11 am PDT. Webinar co-sponsored by the NOAA National Marine Protected Areas Center, the EBM Tools Network, OpenChannels.org, and MPA News. Julie Raymond-Yakoubian of Kawerak, Inc. will present a recently completed project on indigenous knowledge and use of ocean currents. She will share perspectives on the importance of traditional understandings of ocean currents as a critical aspect of the body of knowledge held by communities in the region, how this knowledge was collected, and the modern-day practical applications of this knowledge for marine policy, planning, and safety considerations. Examples of where this knowledge is currently being used will also be presented.

<https://attendee.gotowebinar.com/register/3014373064856709889>

- **Webinar: The U.S. Climate Resilience Toolkit**

April 13, 1:00 pm EDT. Part of the "Climate Information for Managing Risks in Water Resources Webinar Series" co-hosted by NOAA, USEPA, and other partners. Presenter(s): David Herring, Nancy Beller Simms (NOAA).

<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/SARPPProgram/WebinarsandWorkshops.aspx>

- **Webinar: Alaska River Break-up: Historic comparison and 2015 Spring Outlook - What can we expect?**

April 14, 10-11 am AKDT. Alaska Center for Climate Assessment and Policy webinar. Presenters: Crane Johnson & Rick Thoman, National Weather Service. Each year the National Weather Service provides a breakup outlook for Alaska Rivers. This winter stands out as unusual with both temperature and precipitation anomalies observed throughout the state. We will present a brief overview of current conditions and provide our spring statewide flooding potential outlook. This will be followed by a comparison of historic breakup years and a spring/summer climate outlook.

<https://accap.uaf.edu/?q=River+Breakup>

- **Training: Climate Adaptation for Coastal Communities**

April 14-16, Wells, ME. Wells Reserve Coastal Training Program. This training course provides individuals with a climate adaptation toolkit to proactively address adaptation planning priorities in the context of local government priorities. Course modules are taught by NOAA's Office for Coastal Management expert training staff and local partners. You will learn about local climate adaptation efforts from expert practitioners working in Maine. Through individual work and group discussions, you will apply what you learn in each module to your issue and identify and document steps that your organization can take to effectively integrate climate adaptation strategies into policies, plans, and programs.

<http://www.wellsreserve.org/visit/calendar/1078-climate+adaptation+for+coastal+communities>

- **Webinar: Fire, Bugs, and Humans: Modeling Interacting Disturbances in Anthropogenic Landscapes**

April 15, 3:30 pm Eastern. NE Climate Science Center Webinar. Presenter: Brian R. Sturtevant, Research Ecologist, USDA Forest Service Northern Research Station

<https://necsc.umass.edu/webinars>

- **Webinar: Midwest and Great Plains Drought Webinar**

April 16, 1-2 pm Central. Each month, a state climatologist and a NOAA regional climatologist conduct public webinars to brief interested members of the public about ongoing and near-future changing climate conditions in the Great Plains and Midwestern United States.

<http://drought.gov/drought/content/regional-programs/regional-drought-webinars>

- **Conference: American Planning Association 2015 National Planning Conference**

April 18-21, Seattle, WA. Will include a Planning and Climate Change Symposium.

<https://conference.planning.org/conference/>

- Online Training: Turn Down the Heat: Why a 4°C Warmer World Must be Avoided**  
 April 20-May 21, 3-5 hours of work/week for 4 weeks. A Massive Open Online Course (MOOC) offered by World Bank Group through Coursera. It is now clear that without action on climate change, the world may become 4°C warmer by the end of this century. Such an increase would threaten to roll back decades of development progress; thus, we are at a 'make it or break it' point in time. This course presents the most recent scientific evidence, as well as some of the opportunities for urgent action.  
<https://www.coursera.org/course/warmerworld>
- Webinar: Where's My Fish? New Tools to Visualize Climate and Other Impacts on Marine Animals**  
 April 21, 10-11 am PDT. Ecosystem-Based Management Tools Network webinar. By 2100, ocean waters are expected to be substantially warmer than they are today, with profound effects on fisheries. One of the most commonly observed impacts of climate change is through shifts in species distributions, and recent evidence suggests that marine fish and invertebrates closely follow climate velocity (the rate and direction that isotherms move across the seascape). Despite broad recognition of impacts, however, incorporating climate considerations into fisheries management has been challenging. Here, we describe a new web-based tool that will help managers, scientists, fishermen, and the public track shifts in the distribution of the nation's marine fish and other animals with changing ocean conditions. The OceanAdapt website is the result of a partnership between NOAA Fisheries and Rutgers University that annually aggregates marine biological survey data from around North America.  
<https://attendee.gotowebinar.com/register/6573884729137245185>
- Webinar: Changes in forest composition and structure under alternative climate scenarios in the Northeastern U.S.**  
 April 29, 3:30 pm Eastern. NE Climate Science Center Webinar. Presenter: Frank R. Thompson, Research Wildlife Biologist, USDA Forest Service Northern Research Station  
<https://necsc.umass.edu/webinars>
- Webinar: Community-Based Sea Level Rise Projections with Ian Miller of Washington Sea Grant**  
 April 30, 10-11 am PDT. Ecosystem-Based Management Tools Network webinar. Washington Sea Grant has partnered with the Jamestown S'Klallam Tribe and Adaptation International to develop local sea level rise projections and sea level scenario maps for the Jamestown S'Klallam community. The assessments are being used to identify tribal areas or resources that are particularly vulnerable to sea level rise and priority adaptation actions and are already being integrated into long-term community planning. This webinar will present a process for developing community-based sea level rise projections and facilitating their use. Learn more about the project at  
[www.jamestowntribe.org/programs/nrs/nrs\\_climchg.htm](http://www.jamestowntribe.org/programs/nrs/nrs_climchg.htm)  
<https://attendee.gotowebinar.com/register/8828061687758184449>
- Training: Communicating about Climate Impacts and Engaging Stakeholders in Solutions**  
 April 30-May 1, Tiburon, CA. Need help developing effective climate messages for your audiences? Struggling to reach and motivate stakeholders to engage in outreach events? Join climate and environmental communications expert Cara Pike to help you develop effective concrete framing and public engagement strategies in support of climate action and sustainability goals.  
[http://www.sfbaynerr.org/ai1ec\\_event/communicating-about-climate-impacts-and-engaging-stakeholders-in-solutions/?instance\\_id=916&utm\\_source=February+23+Newsletter&utm\\_campaign=Constant+Contact&utm\\_medium=email](http://www.sfbaynerr.org/ai1ec_event/communicating-about-climate-impacts-and-engaging-stakeholders-in-solutions/?instance_id=916&utm_source=February+23+Newsletter&utm_campaign=Constant+Contact&utm_medium=email)

## May 2015

- Symposium: ASABE 1st Climate Change Symposium - Adaptation and Mitigation**  
 May 3-5, Chicago, IL. Sponsored by American Society of Agricultural and Biological Engineers. The purpose of this conference is to bring researchers, practitioners and policy makers to a world-wide platform to share research and discuss creative solutions related to global climate change impacts. The conference will emphasize the importance of global climate change impacts on agriculture while covering a range of topics related to climate change impacts on land and water resources.  
<http://www.asabe.org/meetings-events/2015/05/asabe-1st-climate-change-symposium-adaptation-and-mitigation.aspx>
- Meeting: 2015 Tribal Energy Program Review**  
 May 4-7, Denver, CO. DOE Tribal Energy Program. Will include an overview of the Tribal Energy Program and a series of presentations by tribes exploring or deploying weatherization, energy efficiency, and renewable energy technologies across the nation. Because human capacity is a focus of the Tribal Energy Program, attendees will also learn about our internship program and hear directly from young and inspiring Native American students about their experiences and summer projects.  
[http://apps1.eere.energy.gov/tribalenergy/program\\_review\\_meetings.cfm](http://apps1.eere.energy.gov/tribalenergy/program_review_meetings.cfm)

- **Conference: 2nd National Adaptation Forum**

May 12-14, St. Louis, MO The Forum is a biennial gathering created by a group of professionals from the private and public sectors concerned about the need to respond to and prepare for the effects of climate change. The event represents a collective effort to enhance the resilience of the Nation's communities, resources and economy in the face of a changing climate.

<http://nationaladaptationforum.org/>

- **Conference: 2015 Ceres Conference**

May 13-14, San Francisco, CA. Each year the Ceres Conference brings together more than 600 corporate sustainability leaders, the country's largest institutional investors, and leading social and environmental advocates to mobilize action on the world's most significant sustainability challenges.

<http://www.ceres.org/conferences>

- **Conference: National Tribal Forum on Air Quality**

May 19-21, Battle Creek, MI. The Institute for Tribal Environmental Professionals (ITEP), the National Tribal Air Association (NTAA), and the Nottawaseppi Huron Band of the Potawatomi invite you to attend the 16th Annual National Tribal Forum on Air Quality (NTF). All tribal environmental professionals, US EPA representatives, and members of national or local organizations with interests in air quality and climate change issues in Indian Country are encouraged to attend. This conference is designed to allow attendees a venue to share with and learn from one another.

[http://www4.nau.edu/itep/conferences/confr\\_ntf.asp](http://www4.nau.edu/itep/conferences/confr_ntf.asp)

- **Training: Adaptation Planning Workshop for Southern California Habitats**

May 20-21, San Bernardino, CA. The goal of this workshop is to develop climate-smart adaptation strategies and actions to conserve priority Southern California habitats, with a specific focus on four National Forests (Angeles, San Bernardino, Cleveland, Los Padres). The workshop will include a review of habitat vulnerability assessment results, an overview of adaptation planning, and multiple activities designed to identify adaptation strategies and actions for habitats as well as opportunities for implementation.

[https://files.ctctcdn.com/d332aa07201/24229c28-5760-406e-9728-ebc8ce1013a5.pdf?utm\\_source=February+23+Newsletter&utm\\_campaign=Constant+Contact&utm\\_medium=email](https://files.ctctcdn.com/d332aa07201/24229c28-5760-406e-9728-ebc8ce1013a5.pdf?utm_source=February+23+Newsletter&utm_campaign=Constant+Contact&utm_medium=email)

- **Conference: 2015 Native American Fish and Wildlife Society National Conference**

May 20-22, Juneau, AK

<http://www.nafws.org/events/national-conference>

- **Conference: 2015 NC CSC Open Science Conference**

May 20-22, Fort Collins, CO. This conference will bring together the regional climate research community and local stakeholders to foster productive engagement with the North Central Climate Science Center. Together, we will identify the most important climate-related topics for resource managers and adjust the NC CSC's agenda to encourage demand-driven and actionable research.

<http://www.revampclimate.colostate.edu/conference/>

## June 2015

- **Conference: Thirty-Ninth Annual National Indian Timber Symposium**

June 8-11, North Bend, OR. Hosted by the Coquille Indian Tribe.

[http://www.itcnet.org/get\\_involved/annual\\_symposium.html](http://www.itcnet.org/get_involved/annual_symposium.html)

- **Conference: UA Water Resources Research Center Annual Conference**

June 9-10, Chandler, AZ. Theme: Indigenous perspectives on Sustainable Water Practices. The University of Arizona's Water Resources Research Center (WRRRC), in partnership with the Gila River Indian Community, is hosting the conference to increase awareness of water sustainability efforts on tribal lands and to provide perspectives in the discussion of water management options to meet growing supply gaps in Arizona.

<https://wrrc.arizona.edu/conf-2015>

- **Conference: 2015 AWRA Summer Specialty Conference: Climate Change Adaptation**

June 15-17, New Orleans, LA. This American Water Resources Association specialty conference is about action - how we respond, build resilient systems, and influence decision makers.

[http://www.awra.org/meetings/NewOrleans2015/index.html?utm\\_source=January+26+newsletter&utm\\_campaign=Constant+Contact&utm\\_medium=email](http://www.awra.org/meetings/NewOrleans2015/index.html?utm_source=January+26+newsletter&utm_campaign=Constant+Contact&utm_medium=email)

- **Training: Understanding Climate Change in California**

June 15, Bishop, CA. Bishop Paiute Tribe, Project WET and the CA Dept. of Water Resources will host this workshop to discuss climate change basics, how DWR is addressing these impacts, and how Project WET activities can integrate climate science into the classroom.

[http://files.ctctcdn.com/d332aa07201/d35e493b-dd1b-492b-8841-d7bed2fae597.pdf?utm\\_source=Copy+of+March+16+Newsletter&utm\\_campaign=Constant+Contact&utm\\_medium=email](http://files.ctctcdn.com/d332aa07201/d35e493b-dd1b-492b-8841-d7bed2fae597.pdf?utm_source=Copy+of+March+16+Newsletter&utm_campaign=Constant+Contact&utm_medium=email)

- **ITEP Training: Climate Change Adaptation Planning**

June 16-18, Bishop, CA. The course provides an introduction to planning for climate change impacts, highlighting the work of several tribes. The course is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. Since the course will focus on climate change impacts in the Great Basin, we especially encourage people from that region to attend.

[http://www4.nau.edu/itep/climatechange/tcc\\_trainings.asp](http://www4.nau.edu/itep/climatechange/tcc_trainings.asp)

- **Workshop: Indicators of Climate Change in California**

June 16-17, Sacramento, CA. The California Environmental Protection Agency's (CalEPA) Office of Environmental Health Hazard Assessment (OEHHA) is convening a workshop to collect input into the next update of the report, Indicators of Climate Change in California, scheduled for 2017. This workshop is part of OEHHA's ongoing effort to examine potential indicators that should be tracked to present a comprehensive picture of climate change and its impacts on California.

[http://oehha.ca.gov/multimedia/epic/EPIC2015.html?utm\\_source=Copy+of+March+16+Newsletter&utm\\_campaign=Constant+Contact&utm\\_medium=email](http://oehha.ca.gov/multimedia/epic/EPIC2015.html?utm_source=Copy+of+March+16+Newsletter&utm_campaign=Constant+Contact&utm_medium=email)

- **Workshop: Rising Voices 3**

June 29-July 1, Boulder, CO. Rising Voices 3 workshop will have the theme of Learning and Doing: Education and Adaptation through Diverse Ways of Knowing and be held at the National Center for Atmospheric Research (NCAR). The workshop will occur in collaboration with the Engineering for Climate Extremes Partnership, which aims to improve methods of incorporating resilience and cultural values explicitly in future planning programs.

[http://www2.mmm.ucar.edu/projects/RisingVoices/rising\\_voices3.php](http://www2.mmm.ucar.edu/projects/RisingVoices/rising_voices3.php)