



NORTHERN ARIZONA
UNIVERSITY



Institute for Tribal Environmental Professionals

Tribal Climate Change Newsletter ***August 2016***

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



Lake Superior, Red Cliff, WI. Photo credit: Alex Bryan

We have a full class for our adaptation training in Nebraska City, NE scheduled for September 13-15, where participants have the option of attending a half-day FEMA training on September 12. As this is our last scheduled course, please stay tuned and check our training website for updates on courses in the near future:

http://www7.nau.edu/itep/main/Training/training_cc.

A reminder that the National Adaptation Forum (NAF) is scheduled for May 09-11, 2017 in St. Paul, Minnesota, and call for proposals opened August 08, 2016 and closes September or mid-October 2016. Visit website for submission or for updates:

<http://www.nationaladaptationforum.org>.

ITEP's Tribal Solid Waste Education & Assistance Program (TSWEAP) is offering a new "Waste Diversion and Tribal Food Sovereignty" course in Minneapolis, MN on September 27-29, 2016 for employees of federally-recognized tribes. To register please find form at: http://www7.nau.edu/itep/main/Training/training_waste.

Ahéhee'! Thank you!

-Nikki Cooley and Karen Cozzetto

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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 www7.nau.edu/itep/main/tcc/

Sec. Jewell and Obama Administration Racing Clock on Indigenous Issues

Interior Department Secretary Sally Jewell, who in her three-and-a-half years in office has visited tribes across the U.S., urged leaders at the National Congress of American Indian's mid-year convention in Spokane in June to keep the pressure on the United States—especially as the Obama Administration enters its final months. For Jewell the focus on tribes has taken on a bigger role, she tracks partnerships such as between National Institute of Science researchers studying climate and tribal scientists and culture bearers are key in the future, in what she called “this time of climate change.” Of particular importance, she said, is water across the West as the climate warms the water threatening Northwest salmon runs and producing extreme heat stresses the Southwest. © 2016 Indian Country Today Media Network, LLC., 08/29/16.

<http://indiancountrytodaymedianetwork.com/2016/08/29/sec-jewell-and-obama-administration-racing-clock-indigenous-issues-165602>

The Toughest Question In Climate Change: Who Gets Saved?

Last fall, two towns at opposite ends of the country entered a new kind of contest run by the federal government. At stake was their survival: Each is being consumed by the rising ocean, and winning money from Washington would mean the chance to move to higher ground. On the western edge of Alaska, the remote town of Newtok was losing 50 to 100 feet of coastline each year to sea-level rise and melting permafrost. It was about to lose its drinking water, its school and maybe even its airport. Its 350 or so residents had been trying to move to safety for 20 years; in 2003, they obtained new land, about 10 miles to the south. © 2016 Bloomberg L.P., 08/29/16.

<https://www.bloomberg.com/view/articles/2016-08-29/the-toughest-question-in-climate-change-who-gets-saved>

First U.S. Climate Refugees Fear Rising Seas Will Drown Their Heritage

Native American coastal communities around the U.S. have begun planning moves to higher ground, but worry their ancient ways of life will be lost in the relocation. Rising seas due to climate change are forcing the relocation of Native American coastal communities from Louisiana to Alaska, and tribal leaders say they are worried that their traditional lifestyles may not survive resettlement. © 2016 News Deeply, 08/25/16.

<https://www.newsdeeply.com/arctic/articles/2016/08/25/first-u-s-climate-refugees-fear-rising-seas-will-drown-their-heritage-2>

The U.S. Strategy for Flood Resilience Is Underwater

Intense storms produced over 20 inches of rain in the Baton Rouge area. The resulting flood crisis claimed the lives of 13 people, and over 20,000 people had to be rescued by the Coast Guard and other first responders. Unfortunately, experts predict that this flood crisis will not be the last. Rising sea levels associated with impacts of climate change are predicted to ravage the Louisiana coastline, where 1.29 million people are at risk. Facing rising waters, residents in one Alaska town voted in August to move their entire village. National displacement as a result of sea level rise is projected to reach 13 million people by the end of this century. © 2016 Nextcity.org, 08/24/16.

<https://nextcity.org/daily/entry/us-strategy-flood-resilience-coastal-cities-competitions>

Inslee Blames Climate Change for Washington's Sudden and Severe Fires

Washington Gov. Jay Inslee Tuesday declared a state of emergency in 20 counties mostly on the dry side of the Cascades, an area vulnerable to wildfire. Resources are stretched thin in the battle to save homes and property. A third blaze, the Hart Fire, continues to burn thousands of acres 50 miles to the northwest. It claimed homes including on the Spokane Tribe Indian Reservation. © 2016 Northwest Public Radio, 08/23/16.

<http://nwpr.org/post/inslee-blames-climate-change-washingtons-sudden-and-severe-fires>

Alaskan Village Votes to Relocate Over Global Warming

The Alaska village of Shishmaref voted this week to surrender to global warming and move its ancestral home. The vote was important, perhaps more in symbolism than substance, because while the move isn't imminent, when it happens, both the financial and emotional cost will be great. Their people have been there a long time. And leaving means giving up a way of life. © 2016 Cable News Network. Turner Broadcasting System, Inc., 08/18/16.

<http://www.cnn.com/2016/08/18/us/alaskan-town-votes-to-move/>

US Tribes Work with Scientists Against Climate Change

Combining science and indigenous knowledge, this US research group seeks new ways to adapt to climate change. The last five years have been tough on Tye Baker, the director of Water Resources for the Choctaw Tribe of Oklahoma. “Climate change brings uncertainty, so we try to adapt to that uncertainty,” Baker adds. “I’m having to deal with what the climate provides me. All I can do is adapt.” © 2016 Al Jazeera Media Network, 08/07/16.

<http://www.aljazeera.com/indepth/features/2016/07/tribes-work-scientists-climate-change-160713092436522.html>

These Native American Youths Are Running 2,000 Miles to Protect Their Water

The group ran from the Standing Rock Reservation in North Dakota all the way to Washington to hand over a petition

started by Three Legs, 25, and Anna Lee Yellowhammer, 13, to stop construction on a massive oil pipeline that would cross the Missouri River, putting their community's sole water source at risk. . © 2016 Time Inc., 08/05/16.

<http://www.people.com/article/rezpect-our-water-native-american-youths-run-2000-miles-protest>

Resources

Climate Change in the American Mind

This is a report based on findings from a nationally representative survey conducted by the Yale Program on Climate Change Communication and the George Mason University Center for Climate Change Communication. Since spring 2016, the number of Americans who think global warming is happening has increased by seven percent., 70% now say it's happening. This figure nearly matches the highest level we've measured *71%) since we began conducting our surveys in November 2008. 03/16.

http://climatecommunication.yale.edu/publications/climate-change-american-mind-march-2016/?utm_source=Newsletter+8.23.16&utm_campaign=Newsletter&utm_medium=email

Article: Warm Vegetarians? Heat Waves and Diet Shifts in Tadpoles

Temperature can play an important role in determining the feeding preferences of ectotherms. In light of the warmer temperatures arising with the current climatic changes omnivorous ectotherms may perform diet shifts towards higher herbivory to optimize energetic intake. Such diet shifts may also occur during heat waves, which are projected to become more frequent, intense and longer lasting in the future. Here, we investigated how heat waves of different duration affect feeding preferences in omnivorous anuran tadpoles and how these choices affect larval life history. 07/28/16..

http://onlinelibrary.wiley.com/doi/10.1002/ecy.1541/full?utm_source=Newsletter+8.23.16&utm_campaign=Newsletter&utm_medium=email

Training Courses: U.S. Climate Resilience Toolkit

The training courses here can help you acquire the tools, skills, and knowledge you need to manage your climate-related risks and opportunities. All courses are free of charge, and are offered in at least one of three formats: online audio-visual presentations ("Online, Self-Guided" and "Tool Tutorial"), training webinars ("Online, Scheduled Lecture Series"), and residence training courses ("Onsite, Instructor-Led"). Each training module is accompanied with a test to help you evaluate your knowledge. These courses feature scientific information adapted from authoritative sources, prepared by recognized subject matter experts. The courses have been pilot tested with users and other subject matter experts and may be updated periodically, as needed.

<https://toolkit.climate.gov/training-courses>

Tribal Climate Resilience Resource Guide

This resource guide was developed by the Climate Subgroup of the White House Council on Native American Affairs to provide federal government-wide resources for tribes and climate in a standard framework. Tribal communities can use this guide as a "one-stop-shop" for locating integrated, government-wide resources from the federal government relating to climate resilience.

<https://toolkit.climate.gov/tool/tribal-climate-resilience-resource-guide>

The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment (USGCRP)

This assessment strengthens and expands our understanding of climate-related health impacts by providing a more definitive description of climate-related health burdens in the United States. It builds on the 2014 National Climate Assessment and reviews and synthesizes key contributions to the published literature. Acknowledging the rising demand for data that can be used to characterize how climate change affects health, this report assesses recent analyses that quantify observed and projected health impacts.

<https://health2016.globalchange.gov/>

Other Items of Interest

Americorps VISTA Volunteer on Climate Change Projects for the Tribal Colleges & Universities/VISTA Program (Americorps)

The Native Climate Resilience Network (NCRN) is a coordinated effort across Tribal communities to identify and plan for local climate change issues. Tribal Colleges and Universities (TCUs) develop site specific projects that integrate traditional, culturally specific ecological knowledge with western science practice in an effort to plan for locally identified climate change issues and to strengthen and develop partnerships with climate change experts. Deadline: TBD

<https://environment.uw.edu/wp-content/uploads/2016/05/NCRN-Flyer.pdf>

Economic Analysis of the 2016 California Drought for Agriculture (California Water Blog)

The drought continues for California's agriculture in 2016, but with much less severe and widespread impacts than in the two previous drought years, 2014 and 2015. Winter and spring were wetter in the Sacramento Valley, to the extent of several reservoirs being required to spill water for flood control, but south of the Delta was unusually dry.

https://californiawaterblog.com/2016/08/15/economic-analysis-of-the-2016-california-drought-for-agriculture/?utm_source=Newsletter+8.23.16&utm_campaign=Newsletter&utm_medium=email

Spring/Summer 2016 K-12 BIE/BIA Tribal Student Climate Change Photo Contest (BIE/BIA)

Using a classroom or cell phone camera, take a picture of things of value in your community that climate change might affect, include a climate caption, and submit the photo or questions by e-mail. **Deadline: 11/30/16.**

<http://www.indianaffairs.gov/cs/groups/webteam/documents/document/idc1-032906.pdf>

Job announcement: Natural Resources Specialist (Climate Change) (DOI)

Addresses all issues of policy, guidance, and internal and external coordination for the integration of climate resilience management into all relevant activities, ocean and coastal management, and climate mitigation. Provides tribal and Bureau trust managers with information and tools that enable consideration of climate change resilience at the program and project level. Evaluates policy and program effectiveness of for climate resilience integration to improve program effectiveness and efficiency. Manages budget formulation and execution process. Collects and analyses program statistical information and other data, drafts reports, performance metrics, Departmental climate and sustainability goals for the Bureau, and briefings in support of the Tribal Climate Resilience program. Forms partnerships to meet program goals and support tribes in accomplishing climate resilience goals. Maintains and oversees self-determination, contract, and coop agreement administration necessary to accomplish Tribal Climate Resilience's program activities. Serves as staffing specialist and expert consultant regarding climate resilience, climate mitigation, and ocean and coastal management. **Deadline: 09/02/16.**

<https://www.usajobs.gov/GetJob/ViewDetails/446575100>

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/>

FY17 Tribal Wildlife Grants Program (USFWS)

This program provides a competitive funding opportunity for federally recognized tribal governments to develop and implement programs for the benefit of wildlife and their habitat, including species of Native American cultural or traditional importance and species that are not hunted or fished. Eligibility includes federally recognized Native American tribal governments. Funding opportunity # F16AS00199. **Deadline: 09/02/16.**

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

BLM-MT, Soil Moisture Monitoring, Montana State Office (BLM)

This project will support the expansion of Montana's real-time soil moisture monitoring network and integrate the resulting data with a standardized database, where it will be readily available to the BLM and the public to support research and adaptive management, as well as integrate with spatially continuous remote sensing products. Increasingly rapid changes to Montana's climate have been observed over the last 55 years, producing more variable and poorly understood impacts to the natural resources on which many Montanans rely. Eligibility is unrestricted. Funding opportunity # L16AS00242.

Deadline: 09/06/16.

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

BLM – MT Crow Ecoregional Ethnographic Assessment (EEA) Project (BLM).

The BLM would like to expand the project to cover most of the eco-regions in Montana. The GIS database generated will be incorporated the information from this EEA will be implemented into this existing system. Appropriate GIS data will be given to the BLM for use in planning, restoration, recovery of habitats for plant and animal species and possibly interpretation.

Climate Change and Sage Grouse will be topics of interest to both Federal Agencies and Members of the public. 2. Objectives: Initiate a process to identify, document, evaluate, and map places of traditional religious or cultural significance. Identify culturally important plant and animal species and their associated ecosystems that are critical for the maintenance of culture and traditions. Delineate appropriate conservation elements; and assess the potential effects of identified change agents upon identified conservation elements. 3. Public Benefit: Improved management, preservation, and protection of cultural and natural resources on the landscape for the benefit of the general public. The ethnographic information on plants and climate change provide an important insight to determine what is happening on the landscape combined with scientific information. This evidence provides a more holistic glimpse into the effects of climate change. Eligibility include federally recognized tribes. Funding opportunity # L16AS00255. **Deadline: 09/13/21.**
<http://www.grants.gov/web/grants/search-grants.html>

Support to the National Tribal Water Council (EPA)

This funding announcement is soliciting applications from eligible applicants to conduct, coordinate, and promote the acceleration of research, studies, training, and demonstration projects that will support the participation of the National Tribal Water Council (NTWC or "Council") and tribes to prevent, reduce, and eliminate pollution to waters, and protect drinking water in Indian country. Eligibility includes federally recognized Indian Tribes and intertribal consortia. Funding opportunity # EPA- EPA-OW-IO-16-0. **Deadline: 09/11/16.**
<http://www.grants.gov/web/grants/search-grants.html?keywords=tribal%20climate%20change>

Modeling of Climate Change Mitigation, Impacts and Adaptation (EPA)

This notice announces the availability of funds and solicits proposals to advance the field of climate economic modeling to assist decision makers and the public in effectively responding to the challenges and opportunities posed by climate change. The work involved in this effort includes two distinct modeling capabilities. Proposals should enhance "studies related to the causes, effects, (including health and welfare effects), extent, prevention and control of air pollution." Specifically, this effort is intended to contribute to the development and use of modeling tools to analyze the mitigation and impacts of greenhouse gas emissions. Eligibility includes federally recognized Indian Tribes. Funding opportunity # EPA-OAR-OAP-16-07. **Deadline: 09/12/16.**
<http://www.grants.gov/web/grants/search-grants.html>

Agriculture and Food Research Initiative Competitive Grants Program (USDA)

This RFA available funding to support research to facilitate the adaptation of agroecosystems and natural resource systems to climate variability and the implementation of mitigation strategies. Applicants can apply to two program areas: "Climate and Land-Use," which aims to develop agricultural programs resilient to the effects of climate change, and "Climate Masters Outreach and Extension," which aims to conduct community-based educational outreach for better understanding of climate, extreme weather events, energy, conservation, preparedness, and the impact of informed decision-making. Eligibility includes federally recognized tribes. Funding opportunity # USDA-NIFA-AFRI-005942. **Deadline: 11/17/16.**
<https://nifa.usda.gov/sites/default/files/rfa/FY2016%20AFRI%20Agriculture%20and%20Natural%20Resources%20Science%20for%20Climate%20Variability%20and%20Change%20Challenge%20Area.pdf>

Coastal Program – Great Lakes Restoration Initiative (USFWS)

The Coastal Program is a voluntary, incentive-based program that provides technical and financial assistance to coastal communities and landowners to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program - Great Lakes Restoration Initiative funding is available to coastal areas within the U.S. portion of the Great Lakes basin which includes parts of Michigan, Wisconsin, Minnesota, Illinois, Indiana, Ohio, Pennsylvania, and New York. Eligibility includes federally recognized Native American tribal governments and Native American tribal organizations (other than Federally recognized tribal governments). Funding opportunity # F16AS00060. **Deadline: 09/30/16.**
<http://www.grants.gov/web/grants/search-grants.html>

First Steps Toward Developing Renewable Energy and Energy Efficiency on Tribal Lands Program (DOE)

This FOA is soliciting applications from Indian Tribes (including Alaska Native Regional Corporations and Village Corporations) and Tribal Energy Resource Development Organizations to: (1) Conduct energy options analyses (Topic Area 1); (2) Establish baseline energy use and efficiency options (Topic Area 2); (3) Develop energy organizations (Topic Area 3); (4) Conduct climate resiliency planning (Topic Area 4); (5) Establish policy, regulations, and codes to reduce energy use or promote energy development (Topic Area 5); and, (6) Obtain skills and training related to energy use and development (Topic Area 6). Eligibility includes federally recognized tribal organizations and governments. Funding opportunity # DE-FOA-0001621. **Deadline: 10/20/16.**
<http://www.grants.gov/web/grants/search-grants.html>

FY 2017 Climate Program Office (OAR, NOAA, Dept. of Commerce)

This funding opportunity is focused on conducting and supporting weather and climate research, oceanic and atmospheric observations, modeling, information management, assessments, interdisciplinary decision-support research, outreach, education, and partnership development. Climate variability and change present society with significant economic, health,

safety, and security challenges and opportunities. In meeting these challenges, and as part of NOAA's climate portfolio within the Office of Oceanic and Atmospheric Research (OAR), the Climate Program Office (CPO) advances scientific understanding, monitoring, and prediction of climate and its impacts, to enable effective decisions. These investments are key to NOAA's mission of "Science, Service, and Stewardship" and are guided by the agency's vision to create and sustain enhanced resilience in ecosystems, communities, and economies. Funding opportunity # NOAA-OAR-CPO-2017-2004896. **Deadline: 10/24/16.**

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

Stanislaus River Salmon Project (USFWS)

Staff that work pursuant to the Central Valley Project Improvement Act (CVPIA) in California's Central Valley have a need for timely access to standardized, high-quality adult and juvenile salmonid monitoring data. To address that need, this Notice of Funding Opportunity (NOFO) will provide funds used for: (1) collecting and reporting new juvenile Chinook salmon and steelhead monitoring data collected with rotary screw traps deployed near Caswell State Park on the Stanislaus River in California's Central Valley, and (2) data entry and management activities that transfer historical adult Chinook salmon escapement data from a variety of paper and digital data formats to a standardized database structure.

Eligibility is unrestricted. Funding opportunity # F16AS00433. **Deadline: 10/26/16.**

<http://www.grants.gov/search-grants.html?fundingCategories%3DAG%7CAgriculture>

Upcoming Events

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

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

September 2016

Webinar: Upgrade Your Hazard Mitigation Plans to Climate Ready & FEMA Funding Eligible

September 01, 1:00 - 2:30 p.m. EST. Offered by the Model Forest Policy Program. FEMA now requires communities seeking funding for disaster preparedness to integrate climate into their Hazard Mitigation Plans (HMPs). However, guidelines for how to integrate climate are hard to find. This session will examine the HMP process opportunity, including real world examples of communities integrating climate and hazard mitigation planning. Tools and resources for practitioners will be shared for practical how to applications.

<https://www.eventbrite.com/e/climate-resilience-for-integrated-water-resource-management-registration-26518359126>

Webinar: Climate Change, Learn and Contribute

September 06, 7:30-9:00 p.m. Eastern. Offered by NOAA Climate Stewards. NOAA's Climate Stewards Education Project welcomes John McLaughlin, NOAA's Citizen Science Coordinator as our featured speaker this month. You don't have to be a professional scientist to contribute to our understanding of Earth's climate.

<https://attendee.gotowebinar.com/register/1932857155813134593>

Conference: California Climate Change Symposium

September 06, Long Beach, CA. Offered by California Natural Resources Agency, CalEPA and Governor's Office of Planning. Goals are to: 1) facilitate the production, adoption and application of climate science with respect to California policy and local governance; 2) Provide a forum for sharing recent science and practical applications relevant to climate change impacts and vulnerability; 3) Foster the translation of regional climate change research into policy solutions; 4) Expand support for climate science research with applications to California's environment, public health and economy; and 5) Facilitate collaboration across scientific research fields and public policy silos.

http://www.californiascience.org/?utm_source=Newsletter%205.24.16&utm_campaign=Constant%20Contact&utm_medium=email

Conference: 2016 California Adaption Forum

September 07-08, Long Beach, CA. Offered by the National Adaptation Forum in partnership with State of California and Local Government Commission. The Forum will bring together over a 1,000 local, regional and state leaders to form a community of action, committed to addressing California's adaptation needs.

http://www.californiaadaptationforum.org/?utm_source=Newsletter+12.15.15&utm_campaign=Constant+Contact&utm_medium=email

Conference: Connecting the Dots...Groundwater, Surface Water, and Climate Connections in the Northwest

September 08-09, Portland, OR. Offered by the NGWA. Discover the connections between groundwater, surface water, and climate in the diverse and economically important area encompassing Idaho, Oregon, Washington, northern California, and British Columbia during this two-day NGWA conference.

<http://www.ngwa.org/Events-Education/conferences/Pages/5029sep16.aspx>

Conference: 2016 Carolinas Climate Resilience Conference

September 12-14, Charlotte, NC. Offered by the Carolinas Integrated Sciences and Assessments. This conference will share information about climate-related tools, resources, experiences, and activities in the Carolinas. This will be a very interactive conference geared towards networking and exchange among stakeholders and decision makers throughout the region.

<http://www.cisa.sc.edu/ccrc/>

Conference: Stormwater Evolution: Source to Resource

September 12-14, San Diego, CA. Offered by the CASQA. The annual conference theme reflects shifting attitudes toward urban stormwater from a flood control problem, nuisance, and pollutant source to recognition as an important resource for groundwater recharge, water supply, and habitat management. The conference will highlight integrated regional and watershed planning processes, multi-benefit projects, and creative governance that showcase recent innovations.

<https://www.casqa.org/events/annual-conference>

ITEP Training: Climate Change Adaptation Planning

September 13-15, Nebraska City, NE. 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 central U.S.

http://www7.nau.edu/itep/main/Training/training_cc

Conference: 2nd Annual Tribal Leaders Summit On Climate Change: Leaning Into Our Resilience: Adapting Our Way

September 14-15, Ferndale, WA. Offered by the Tulalip Tribes and Affiliated Tribes of Northwest Indians. Invited tribal councils, policy leaders, tribal staff and agency representatives to talk about the needs and opportunities of meeting the challenges of governance in a rapidly changing world. This gathering will focus on two levels of governance needed to meet the challenges and opportunities of climate change: 1) Development and implementation of tribal climate adaptation plans and 2) Tribal rights and authorities and climate change.

<http://events.r20.constantcontact.com/register/event?oeidk=a07eczbhpvo1aff1911&lr=vlmoveeab>

Webinar: Measuring, Modeling, and Mapping Patterns of Water Availability Across Landscapes in a Time of Increasing Drought

September 15, 1:00-2:00 p.m. (PDT). Offered by the Great Basin Landscape Conservation Cooperative. Flow permanence in stream networks is a critical driver of water quality, in-stream and riparian ecological processes, and downstream water availability. This seminar highlights the framework and early results from a new initiative to address this fundamental information gap: WATR (Water Availability and Thermal Regimes). The WATR effort was initiated in the Great Basin of the western United States where limited water availability influences a host of sensitive species ranging from native trout to greater sagegrouse.

<https://attendee.gotowebinar.com/register/2323330017268213764>

Webinar: Improve Your Grant Writing Skills

September 15, 2:00-3:30 p.m. Pacific. Offered by the Coastal Conservancy. As a funding agency, the conservancy reviews scores of grant applications every year and sees a wide range of quality in those applications. Some present such a clear and compelling case for their project that we are ready to approve it on the spot.. Based on our experience, we would like to help you improve your grant writing skills. This webinar is not aimed specifically at applying to the Coastal Conservancy, but rather will provide strategies and recommendations for applying to any grant program, particularly government grants.

To register, email: grants@scc.ca.gov

Webinar: A Framework for Evaluating the Vulnerability of Multiple Wildlife Species to Climate Change at Regional Scales

September 22, 12:00-1:00 p.m. Pacific. Offered by the National Climate Change & Wildlife Science Center. Frameworks for evaluating the vulnerability of multiple species to decline or extinction are increasingly needed by state and local agencies that are tasked with managing many species at once. USGS researchers in the Northwestern U.S. are looking at the "sensitivity" of wildlife species to climate change, which is a fundamental component of vulnerability, for freshwater fishes, amphibians, and reptiles native to the state of Oregon.

https://nccwsc.usgs.gov/webinar/SpeciesVulnerability_Sept2016?utm_source=Newsletter+8.23.16&utm_campaign=Newsletter&utm_medium=email

Conference: West Coast Salmon Summit

September 26-29, Canyonville, OR. Offered by the Cow Creek Band of Umpqua Tribe of Indians. The Summit is dedicated to the conservation of Pacific Salmon throughout their native range. This year's Summit will focus on "Restoring our Future".

In this unique forum, scientists and resource managers, educators, tribal and First Nations representatives, federal and state agencies and non-governmental employees will find common ground and inspiration for creating a "...more natural state of recovery."

<http://www.salmonsummit.org/>

October 2016

Conference: Annual EPA Region 6 Stormwater Conference

October 02-06, Oklahoma City, OK. Offered by the EPA. This conference will address and discuss the various issues and challenges of managing municipal stormwater, as well as new and upcoming rules and regulations.

<https://www.epa.gov/ok/18th-annual-epa-region-6-stormwater-conference>

Conference: Annual Southeast Florida Regional Climate Leadership

October 05-06, West Palm Beach, FL. Offered by the Palm Beach County. At this conference we'll focus on real stories of real success in communities, business and political sectors examining the environmental, economic and direct consequences of climate change. Better still, we'll address management strategies to help residents, businesses and political leaders pro-actively take steps to make communities more resilient with emphasis on economic vitality. This year we'll update the Regional Climate Action Plan, so we'll ask you about your vision for the future.

<http://www.climateleadershipsummit.com/>

Conference: Great Lakes Adaptation Forum

October 05-07, Ann Arbor, MI. Offered by the Great Lakes Integrated Sciences & Assessments. The forum will bring together hundreds of practitioners and researchers from across the Great Lakes region of Canada and the United States for 3 days of sharing climate adaptation and resilience solutions and products in an engaged learning program.

<http://graham.umich.edu/climate/forum-2016>

Training: Climate Training for New Mexico Tribes & Pueblos

October 5-7, Jemez Pueblo, NM. Offered by the Flower Hill Institute, Pueblo of Jemez & South Central Climate Science Center. A climate science workshop open to tribal leaders and staff. Registration limited to 35 participant so registrar today! For registration and other information, contact Kim Merryman: kmerryman@ou.edu or (405) 534-0003.

Conference: 2016 Mountain Climate Conference

October 17-21, Leavenworth, WA. Offered by the Consortium for Integrated Climate Research in Western Mountains The conference will continue the tradition of excellence established by over a decade of meetings by working at the intersection of intersection of climate and a host of other scientific disciplines including hydrology, ecology, and glaciology. In addition, the conference will explore the central theme: *Mountains Without Snow: What are the Consequences?*

<http://www.mtnclim.org/>

Conference: 43rd Natural Areas Conference

October 18-21, Davis, CA. Offered by the Natural Areas Association. The conference will focus on the nuts-and-bolts of climate change adaptation, with the target audience being organizations and individuals involved in on-the-ground natural areas management.

<https://naturalareas.org/conference>

Conference: 2016 Climate Strategies Forum, West Coast

October 19-21, San Diego, CA. Offered by the Association of Climate Change Officers. Climate Strategies Forum events are the premier programs centered on formal climate change preparedness training for credit applicable to credentials issued under the CCO Certification™ program.

<http://www.climatestrategiesforum.org/>

November 2016

Conference: 7th Annual Northwest Climate Conference

November 14-17, Stevenson, WA. The annual NW Climate Conference is the region's premier opportunity for a cross-disciplinary exchange of knowledge and ideas relating to climate impacts and adaptation

<http://pnwclimateconference.org/>

Training: Do No Harm 2016 Workshop

November 15, Davis, CA. Offered by the University of California -Agriculture & Natural Resources, UC Davis, and UC Riverside. Long term objectives are to address a different topic in restoration annually that is both expedient and practicable. This year we focus on the use of non-local plant materials in restoration activities to: 1) Identify stumbling blocks to

achieving ecologically and economically successful restoration of disturbed lands in California; 2) Bring experts, practitioners, suppliers, and policy makers together to develop best management practices to overcome these obstacles.
http://ucanr.edu/sites/UC_ANR_Do_No_Harm/

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