



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 Tribal Climate Change Newsletter

September 2018



Coming Soon!
Climate Change Resources for Tribes on ITEP's website

Hello! Siyo! Ya'at'teeh!

We hope everyone is enjoying the cooler weather, fall festivals and carnival season.

We are keeping busy here at the Tribes and Climate Change Program. We are preparing to host two webinars in the next couple of months. The first will be about the Notice Of Funding Opportunity (NOFO) funding announcement from FEMA and the second will be the Vulnerability Assessment (VA) Part II webinar. Visit our webinars schedule for details: http://www7.nau.edu/itep/main/tcc/Training/Webinars_Schedule. We hope you can join us and get some of your questions answered about the NOFO and VA.

We'd like to extend our welcome and share with you all that we have two new additional cohorts beginning their facilitated cohort Climate Change Adaptation Planning. These cohorts represent the Alaska and Pacific Northwest region and the Central U.S. region. They join the Northeast and Midwest cohort on this journey in developing their climate change adaptation plans.

Speaking of new additions, we'd also like to share that a new view of Climate Change Resources for Tribes will be coming soon! We hope that visitors who would like to learn more about the kinds of resources available for tribes related to climate change can checkout this website. We hope you do and let us know how it works for you.

With that, we wish you well and look forward to seeing you soon!

-Leanna, Nikki, Karen & Colleen

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Newsletter

To subscribe or unsubscribe to this newsletter, please go to 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/

In The News

Explore Climate Change with New App

- This year's long, hot summer led many of us to wonder if it was a sign of things to come and whether we could anticipate similar summer heat every year. Now, a scientist from the University of East Anglia (UEA) has used his expertise to develop one of the world's first apps that enables users to explore global climate change projections. © Phys.org, 09/29/2018. <https://phys.org/news/2018-09-explore-climate-app.html>

Action Team Delivers Recommendations to Address Climate Change

- Gov. Bill Walker's Climate Action Leadership Team delivered a set of recommendations to the Walker administration Wednesday in an attempt to mitigate the visible effects of climate change in Alaska. © Daily News-Miner, 09/28/2018. http://www.newsminer.com/news/local_news/action-team-delivers-recommendations-to-address-climate-change/article_a89096f6-c22d-11e8-9f7a-6b58428ad670.html

World 'Nowhere Near on Track' to Avoid Warming beyond 1.5C Target

- Exclusive: Author of key UN climate report says limiting temperature rise would require enormous, immediate transformation in human activity. © The Guardian, 09/27/2018. <https://www.theguardian.com/environment/2018/sep/26/global-warming-climate-change-targets-un-report>

Looking Anew at Plastics and Climate Change

- One of 2018's environmental bad guys, plastic waste at sea is attracting lots of attention ... and concern. © Yale Climate Connections, 09/26/2018. https://www.yaleclimateconnections.org/2018/09/looking-anew-at-plastics-and-climate-change/?popupally_stop=subscriber

Taller Plants Moving into Arctic Because of Climate Change

- The effects of climate change are behind an increase in plant height across the Arctic tundra over the past 30 years. © Science Daily, 09/26/2018. <https://www.sciencedaily.com/releases/2018/09/180926140816.htm>

Conference Tackles Inclusion in Climate Adaptation

- A Great Lakes conference hopes to bridge gaps between different people working in climate adaptation. © Great Lakes Today, 09/26/2018. <http://www.greatlakestoday.org/post/conference-tackles-inclusion-climate-adaptation>

National Parks are Warming Twice as Fast as the U.S. Overall

- Climate change poses the greatest threat to some of the country's most prized areas. © High Country News, 09/24/2018. https://www.hcn.org/articles/climate-change-national-parks-are-warming-twice-as-fast-as-the-u-s-overall?utm_source=wc1&utm_medium=email

Prepare for 10 Feet of Sea Level Rise, California Commission Tells Coastal Cities

- Though an extreme scenario, it should be factored in to coastal infrastructure planning, new guidance suggests. © Scientific Journal, 09/21/2018. <https://www.scientificamerican.com/article/prepare-for-10-feet-of-sea-level-rise-california-commission-tells-coastal-cities/>

Helping Forest Ecosystems Adapt to Impacts of Climate Change

- Northeast Climate Adaptation Science Center Principal Investigator Tony D'Amato leads a national experimental project in northern New Hampshire that uses carefully planned timber harvests and planting of selected tree species to help forests transition and be more resilient in the face of changing weather patterns and other stressors. © Northeast Climate Adaptation Science Center, 09/14/2018. <https://necsc.umass.edu/news/helping-forest-ecosystems-adapt-impacts-changing-climate>

Native Youth in Science: Preserving our Homeland

- This past July, Northeast Climate Adaptation Science Center Science Coordinator, Michelle Staudinger and Tribal Climate Science Liaison for the Northeast and Southeast, Casey Thornbrugh engaged youth and staff at the 2018 Native Youth in Science – Preserving Our Homelands (POH). © Northeast Climate Adaptation Science Center, 09/14/2018. <https://necsc.umass.edu/news/native-youth-science-preserving-our-homeland>

Why Some Water Managers Are Unprepared for Climate Change

- California water managers vary in their willingness and ability to take climate risks into account, according to a recent study from U.C. Davis. Improved relationships between scientists and decision-makers may help. © News Deeply, 09/06/2018. <https://www.newsdeeply.com/water/community/2018/09/06/why-some-water-managers-are-unprepared-for-climate-change>

What Will Happen to Pollinators as the Climate Changes?

- Rising temperatures and weird weather put stress on the birds and the bees. © Yale Climate Connections, 09/06/2018. https://www.yaleclimateconnections.org/2018/09/what-will-happen-to-pollinators/?popually_stop=subscriber

In The Absence Of Federal Support, Florida 'Future Fund' Aims To Empower Local Climate Adaptation

- President Trump and Florida Gov. Rick Scott have been reluctant to acknowledge the link between climate change and some of Florida's current environmental challenges, like King Tide flooding, stronger hurricanes and rising temperatures. © WLRN, 09/05/2018. <http://www.wlrn.org/post/absence-federal-support-florida-future-fund-aims-empower-local-climate-adaptation>

California's Response to Record Wildfires: Shift to 100% Clean Energy

- California's Democratic leaders are determined to fight the climate change that's ravaging their state. © The Guardian, 09/03/2018. <https://www.theguardian.com/environment/climate-consensus-97-per-cent/2018/sep/03/californias-response-to-record-wildfires-shift-to-100-clean-energy>

Historic Indigenous Gathering to Protect Mother Earth

- Close to 1,500 Indigenous representatives and their allies from across Turtle Island (North America) gathered from June 27–July 1, 2018, at Frank's Landing on the Nisqually reservation in Washington State to attend the 17th Protecting Mother Earth Conference. The conference was co-organized by the Indigenous Environmental Network and Canadian-based Indigenous Climate Action, and hosted by the Nisqually Tribe. In addition to a large turnout of local Tribal members, participants came from as far away as Ecuador, Japan, Aotearoa (New Zealand), and Australia to connect with Indigenous leaders actively campaigning to stop the destruction of the planet. © Cultural Survival Quarterly Magazine, 09/2018. <https://www.culturalsurvival.org/publications/cultural-survival-quarterly/historic-indigenous-gathering-protect-mother-earth>

Prehistoric Changes in Vegetation Help Predict Future of Earth's Ecosystems

- As the last ice age came to an end and the planet warmed, the Earth's vegetation changed dramatically, reports a University of Arizona-led international research team. © U.S.G.S. Climate Adaptation Science Centers, 08/31/2018. <https://casc.usgs.gov/content/prehistoric-changes-vegetation-help-predict-future-earths-ecosystems>

Nearly Every Ecosystem on the Planet Will Be Transformed By Climate Change

- If nations fail to rein in their greenhouse gas emissions, nearly every terrestrial ecosystem on the planet — from forests to grasslands to marshland — will undergo “major transformations” that will completely change the world's biomes, warn a team of 42 scientists from around the globe in the journal Science. This will have consequences for everything from food and water security to public health. © Yale Environment 360, 08/31/2018. <https://e360.yale.edu/digest/nearly-every-ecosystem-on-the-planet-will-be-transformed-by-climate-change>

New Publication: Coastal Resilience Through Natural Infrastructure

- In recent years, coastal systems along the United States Atlantic and Gulf coasts have experienced a number of extreme storm events whose impacts have been amplified by rising sea levels. © Northeast Climate Adaptation Science Center, 08/27/2018. <https://necsc.umass.edu/news/new-publication-coastal-resilience-through-natural-infrastructure>

The Next Megadrought in the American Southwest May Be Right Around the Corner

- If the planet continues to warm at current rates, scientists project the likelihood of a megadrought in the Southwest will increase to above 70 percent. We're simply not prepared. © Texas Observer, 08/22/2018. <https://www.texasobserver.org/the-next-megadrought-in-the-american-southwest-may-be-right-around-the-corner/>

Resources

Teaching About Climate Change

- Climate change may be the single biggest challenge that faces our planet today, and it can be difficult to approach this topic anywhere, let alone in a classroom setting. © Project Learning Tree, 09/25/2018. <https://www.plt.org/news/teaching-climate-change/>

Private Forest Owners and Climate Change Adaptation: How Science and Society Will Shape Future Forests

- Center for Science and Technology Policy Research Seminar Series Webinar. Widespread wildfires in western North America this year, last year, and indeed this past decade, demonstrate the real-time impacts of climate change. Unprecedented wildfires are also the result of decades of well-intentioned but counterproductive forest management and planning policies. Private forest owners now find themselves managing for increasing levels of

risk. In this talk I explain how climate change impacts private forest owners in the West. © University of Colorado, Boulder, 09/19/2018. <http://cirescolorado.adobeconnect.com/pvjy20ggnang/>

New Technology for Landowners and Resource Managers Revolutionizes Rangeland Monitoring

- America's vast western grazing lands produce food for the nation, recreation revenues for local communities, and habitat for wildlife. Producers often manage large swaths of rangelands, making it a challenge to track how vegetation has fared over time. © USDA, 09/18/2018. <https://www.usda.gov/media/blog/2018/09/18/new-technology-landowners-and-resource-managers-revolutionizes-rangeland>

Alaska CASC 2018 Annual Report

- Changing climate conditions and extreme weather events continue to impact Alaska. Coastal flooding cost millions in damage in the northwest region of the state, a dryer-than-normal November resulted in near-drought conditions for the southern Panhandle, and Bering Sea ice extents reached record lows. Juneau also reported its warmest recorded calendar month since 1941: July. © U.S.G.S. Climate Adaptation Science Centers, 09/05/2018. <https://casc.usgs.gov/content/alaska-casc-2018-annual-report>

Soil Health Research Landscape Tool

- This tool consolidates and categorizes publicly available information, a first step to identifying and addressing priority gaps in soil health research. © Soil Health Institute, 2018. <https://www.soilhealthinstitute.com/research.org/Home/Search>

Climate Changes Health

- Highlights of APHA's continuing climate change work. © American Public Health Association, 2018. http://action.apha.org/site/MessageViewer?em_id=66351.0&dlv_id=68660

North Central Climate Adaptation Science Center Welcomes Tribal Resilience Liaison

- Ensuring that tribal nations and communities in our region have the scientific information and expertise they need is a high priority of the [North Central Climate Adaptation Science Center](#) (NC CASC). The center welcomes *Stefan Tange* as its [tribal resilience liaison](#) for the North Central [region](#). Stefan will work toward understanding tribal needs, connecting tribes to federal and other science, and fostering dialogue among tribal partners about adapting to a changing climate. © North Central Climate Adaptation Science Center, 2018. <https://mailchi.mp/47b9eb8aa7ac/welcoming-a-new-tribal-resilience-liaison?e=dad356cf9d>

Climate Change

- The 'Climate change' section explores the global nature of the world's climate system and how what happens in one place will have an effect on another place thousands of miles away. Climate change in the Arctic is happening quickly and there could be both positive and negative outcomes. © Discovering the Arctic, 2018. <https://discoveringtheartctic.org.uk/introducing-the-arctic/climate-change/>

Handbook of Climate Change and Biodiversity

- Comprehensively describes research and projects on climate change and biodiversity. Provides government and non-government bodies with a sound basis for promoting biodiversity conservation efforts. Investigates measures aimed at managing the risks that climate change poses to our ecosystems. © Springer, 2019. <https://www.springer.com/us/book/9783319986807>

Northwest Climate Adaptation Science Center Launches its New Website

- The Northwest CASC just launched its new website which offers a dynamic homepage, and improved navigation and usability. It will feature Northwest CASC research and fellows more prominently and dedicate space for highlighting partners and their work. It will also announce upcoming Northwest CASC events, such as their fall skills-building webinar series. © University of Washington, 2018. <https://nwcasc.uw.edu/>

Mitigation eGrants for the Grant Applicant - Online Training and Reference Material

- Tribal applicants who are interested in submitting a proposal for the Flood Mitigation Assistance Program and/or Pre-Disaster Mitigation Program (PDM) refer to the tribal reference guide at <https://www.fema.gov/mitigation-egrants-system-indian-tribal-governments>. Additional trainings and resources are available online in the FEMA library. For individuals who are new to the eGrant system taking the 'Mitigation eGrants for the Grant Applicant' <https://training.fema.gov/is/courseoverview.aspx?code=IS-31.b> and 'Independent Study' <https://training.fema.gov/is/> will be beneficial to familiarize the applicant with proposal submission. Email Communication, 09/19/2018.

Other Items of Interest

USDA National Graduate Fellowship (NNF) in Native American Forestry at School of Forestry, Northern Arizona University

- ❖ Two Master's-level fellowships are available. The program goal is to produce the next generation of Native American leaders. Fellows are expected to conduct research aimed at managing resilient forest agroecosystems in tribal lands, and engaging in tribal outreach, teaching and community engagement. Project directors are Dr. Yeon-Su Kim; Dr. Thomas Kolb; Dr. Peter Fulé, Dr. Andrew Sánchez-Meador at School of Forestry and Dr. Manley Begay at Applied Indigenous Studies. Other partners include the Institute for Tribal Environmental Professionals (ITEP), and other supporting units at NAU and various land management agencies and Native American tribal governments. The fellowship includes a stipend (\$18,500/yr for two years), tuition waiver, health insurance, and educational allowance. For more information, contact Dr. Yeon-Su Kim at ysk@nau.edu (or call 928-523-6643). **Review of applications will begin on October 1, 2018.**

PhD Position Available: Human Dimensions of Climate Change, University of Leeds, Priestley Leeds, United Kingdom

- ❖ The University of Leeds, Priestley invites applications for a PhD position in the human dimensions of climate change. This three-year position will be located in Leeds, United Kingdom (UK), with considerable time spent in Inuit communities in northern Canada. The PhD project will play a key role in developing and applying a framework to connect Indigenous Knowledge (IK) and science to model links between changing trail access due to climate change and health outcomes (either food security, wellness, or physical danger). The framework will use mixed methods to link local experiences, observations, and knowledge into climate language and climate modeling constructs, and will be developed in close collaboration with Inuit communities. **Deadline to apply: October 31, 2018.** <http://www.see.leeds.ac.uk/admissions-and-study/research-degrees/sri/projects-with-guaranteed-funding/participatory-climate-modeling-ethnoclimatology-and-human-health-in-the-arctic/>

Call for Papers: Fourth World Journal Special Issue on Medicinal Plants, Indigenous Peoples and Wild Foods

- ❖ The Fourth World Journal is pleased to announce that it will publish a special themed, peer reviewed issue on "Indigenous Peoples, Medicinal Plants and Wild Foods." There is an increasing desire in the global health community to learn more beneficial approaches of nutrition for growing populations in all bioregions. The focus in this Special Issue is the use of low-resource strategies that are culturally and ecologically appropriate to the locality. Plants and other wildlife foods are known the world over to have medicinal value. The nutrient and pharmacological density of these resources is often overlooked, undocumented, or exploited for purely commercial purposes. Submission requirements: <http://cwis.org/fourth-world-journal/>.

USDA Releases Standard Indicators and Laboratory Procedures to Assess Soil Health for Public Comment

- ❖ The U.S. Department of Agriculture (USDA) is releasing a set of standard indicators and associated laboratory procedures to assess soil health. These measures – recommended through a multi-organizational collaboration among soil health experts in the federal, university, public and private sectors – are being developed to improve conservation planning and implementation across the United States. © United States Department of Agriculture, 09/18/2018. <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/newsroom/releases/?cid=NRCSEPRD1420430>

Through Their Eyes: A Community History of Eagle, Circle, and Central

- ❖ *Through their Eyes* is a glimpse into the past and present of these communities, showing how their survival has depended on centuries of cooperation. The towns have roots in the gold rushes but they are also located within the traditional territories of the Hän Hwëch'in, the Gwichyaa Gwich'in, and Denduu Gwich'in Dena (Athabaskan) peoples. Over time, residents have woven together new heritages, adopting and practicing each other's traditions. This book combines oral accounts with archival research to create a rich portrayal of life in rural Alaska villages. Many of the stories come directly from the residents of these communities, giving an inside perspective on the often colorful events that characterize life in Eagle, Circle, and Central. © University of Alaska Press, 2018. <http://www.alaska.edu/uapress/browse/detail/index.xml?id=571>

Career Opportunity at the Intertribal Agriculture Council – Development Director and Director of Programs positions

- ❖ For over 30 years the Intertribal Agriculture Council has worked to build opportunity for Indian producers with an eye towards true sovereignty and self-sufficiency in Indian Country by rebuilding our ability to feed ourselves. In order to enhance the productivity of the organization, we are conducting a nationwide search for highly skilled and qualified individuals to fill two new positions at the IAC. If interested please submit a detailed letter of interest and resume for consideration to zach@indianaglink.com. Visit our website at: <http://www.indianaglink.com/career-opportunities-at-iac/>.

Here's an out of the ordinary 'Other Items of Interest' for our ITEP TCC Newsletter Readers
'Love in the time of Climate Change' Bollywood style

<https://www.stabroeknews.com/2018/entertainment/09/26/love-in-the-time-of-climate-change-indian-film-with-a-new-take-on-romance/>

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/>

Native Agriculture and Food Systems Scholarship Program

- The purpose of the Native Agriculture and Food Systems Scholarship Program is to encourage more Native American college students to enter these fields so that they can better assist their communities with these efforts. First Nations will award five \$1,000 scholarships for the 2018-2019 academic school year to Native American college students majoring in agriculture and agriculture-related fields, including but not limited to agribusiness management, agriscience technologies, agronomy, animal husbandry, aquaponics, environmental studies, fisheries and wildlife, food production and safety, food-related policy and legislation, food science and technology, horticulture, irrigation science, nutrition education, and sustainable agriculture or food systems. **Deadline to apply: October 4, 2018.** © First Nations Development Institute, 2018. <https://firstnations.org/grantmaking/scholarship>

Paleo Perspectives on Climate Change (NSF)

- The goal of research funded under the interdisciplinary P2C2 solicitation is to utilize key geological, chemical, atmospheric (gas in ice cores), and biological records of climate system variability to provide insights into the mechanisms and rate of change that characterized Earth's past climate variability, the sensitivity of Earth's climate system to changes in forcing, and the response of key components of the Earth system to these changes. Funding opportunity #: 17-582. Eligibility is unrestricted. **Deadline: 10/22/2018.** <https://www.grants.gov/web/grants/search-grants.html>

Climate Program Office FY 2019 (NOAA)

- 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. Eligible entities: Native American tribal governments, institutions of higher education, other nonprofits, state, commercial and international organizations. Funding opportunity number: NOAA-OAR-CPO-2019-2005530 at www.grants.gov. **Deadline: 11/20/2018.**

Flood Mitigation Assistance Program (FMA)

- The FMA Grant Program makes available Federal funds to State, Local and Tribal Governments to reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP). In FY18, the FMA Program will prioritize proposals that address community flood risk by setting aside \$70 million for this purpose. FMA will seek to fund two types of community flood mitigation activities: Advance Assistance for flood mitigation design and development of community flood mitigation projects and mitigation projects that address community flood risk for the purpose of reducing NFIP flood claim payments. Applicants must submit applications via the Mitigation eGrants system on the FMA Grants Portal: <https://portal.fema.gov>. Applicants may submit a maximum of 1 advanced assistance and 1 community mitigation project sub-application. Eligible entities: Native American Tribal governments (Federally recognized), state governments and others. Funding opportunity number: DHS-18-MT-029-000-99 at www.grants.gov. **Deadline: 01/31/2019.**

Pre-Disaster Mitigation Program (PDM)

- The PDM program makes available Federal funds to State, Local and Tribal Governments to implement and sustain cost-effective measures designed to reduce the risk to individuals and property from natural hazards, while also reducing reliance on Federal funding from future disasters. FEMA will provide allocations of \$575,000 as required by the Stafford Act to states and territories; and a tribal set aside of \$15 million for allocations up to \$575,000 for Native American Indian tribal governments to support overall mitigation planning and projects. The remaining PDM funds will be awarded on a competitive basis with a focus on multi-state/tribal mitigation initiatives. Applicants must submit applications via the Mitigation eGrants system on the FEMA Grants Portal:

<https://portal.fema.gov>. Applicants may submit a maximum of 9 project sub-applications notwithstanding any project(s) submitted for the state/territory allocation or tribal set aside. In addition, any state or tribe willing to serve as the applicant for a multi-state or tribal activity may submit one additional plan or project sub application. Eligible entities: Native American Tribal governments (federally recognized), state governments, and others. Funding opportunity number: DHS-18-MT-047-000-99 at www.grants.gov. **Deadline 01/31/2019.**

National Clean Diesel Campaign (EPA: Office of Transportation & Air Quality)

- EPA is soliciting applications nationwide for Tribal projects that achieve significant reductions in diesel emissions and diesel emissions exposure, particularly from fleets located in areas designated as having poor air quality. EPA anticipates \$2 million will be awarded to eligible Tribal applicants. EPA will hold two upcoming webinars about the FY 2018 Tribal DERA RFA. The first will be on Wednesday, September 19, 2018, at 2:00 p.m. (ET). The second will be on Thursday, February 21, 2019, at 2:00 p.m. (ET). Webinar information and links are available at <https://www.epa.gov/cleandiesel/clean-diesel-tribal-grants#2018rfp>. **Deadline to apply 04/03/2019.**

Upcoming Events

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

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

October

Training: Armed to Farm

October 1-5, Fayetteville, AR. Sponsored by NCAT's [ATTRA Sustainable Agriculture](#) program and USDA Small and Medium-sized Farm Program. ATF's engaging blend of farm tours, hands-on experience, and interactive classroom instruction gives participants a strong foundation in the basic principles of operating a sustainable farm. Participants learn about business planning, budgeting, recordkeeping, marketing, livestock production, fruit and vegetable production, and more. In addition, attendees gain a network of supportive farmer-veterans and agricultural advisors. Free event for those selected to attend, including lodging at the retreat center, transportation to farms and most meals will be provided. Participants must pay their own travel costs to and from the event. For more information, contact Margo Hale at margoh@ncat.org or 479-442-9824.

Online Short Course: Managing for a Changing Climate: Societal Impacts of Climate Change

October 1 – October 22, Our short courses will provide an integrative understanding of the components of the climate system. We will discuss the impacts of a changing climate on sectors such as the economy, policy, ecosystems, and indigenous populations. We will also discuss how managers can adapt to these changes. Click on link to register.

<https://docs.google.com/forms/d/e/1FAIpQLScEILCxZ4H5WHayNyc9JHr2KcQUoWqf5PzXNQ1H8UdAXzNV2A/viewform>

Conference: 3rd Annual Conference on Native American Nutrition

October 2-5, Prior Lake, MN. Join us for this annual conference that brings together tribal officials, researchers, practitioners, and others to discuss the current state of Indigenous and academic scientific knowledge about Native nutrition and food science, and identify new areas of work. <http://seedsofnativehealth.org/conference/>

Conference: 9th Annual Northwest Climate Conference

October 9-11, Boise, ID. This conference 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 PNW. <http://pnwclimateconference.org/index.html>

Webinar (6 of 6): Successful Health Resources and Services Administration (HRSA) Tribal Grantees

October 10, 1:00 p.m. (ET). HRSA is hosting a FREE Grants Education and Technical Assistance Webinar Series for Tribes, Tribal Organizations, Indian Health, Tribal and Urban Indian Health Programs. Learn about the federal grant application process, how to write better grant proposals and evaluation plans for your projects, strategies for successful grant management, and more. Participants will also have the opportunity to connect with HRSA subject matter experts, grant reviewers, as well as peers to discuss best practices and barriers to successful grants application and management. Register at:

https://hrsa.connectsolutions.com/federal_grant_application_recording/event/registration.html

Workshop: 'Slow the Flow' Coastal Workshop

October 10, 9:00 a.m. – 3:00 p.m., Two separate locations: Great Lakes at Michigan State University Henry Center and New England, UMass Center on Beacon Hill. Please plan to join us to discuss how management of land use,

in-stream structures, and receiving waters can be used to reduce the detrimental impacts of watershed nutrient loading as our regional climate changes. This workshop is free and includes a light breakfast, delicious lunch and afternoon refreshments. Detailed agenda to follow. Seating is limited. Registration deadline is October 3. Register at: <https://necsc.umass.edu/news/register-now-slow-flow-october-10>

Conference: Restoring Resilient Communities in Changing Landscapes

October 15-18, Spokane, WA. The Society for Ecological Restoration and Society of Wetland Scientists are pleased to announce their joint PNW Regional conference October 15-18, 2018 in Spokane, Washington. The conference will also provide a forum for members of North American Chapters of the Society for Ecological Restoration to address regional and continental North American issues of importance to wetland science and ecological restoration. The conference will gather scientists, practitioners, and decision makers around the theme of restoring ecological resilience and resilient communities in changing landscapes.

https://restoration2018.org/?utm_source=Northwest%20Fire%20Science%20Consortium&utm_campaign=4e75d3da22-Digest_01_18_18&utm_medium=email&utm_term=0_e4796b1409-4e75d3da22-82505313

Training: Armed to Farm

October 15-19, Glendive, MT. Sponsored by NCAT's [ATTRA Sustainable Agriculture](#) program and USDA Small and Medium-sized Farm Program. ATF's engaging blend of farm tours, hands-on experience, and interactive classroom instruction gives participants a strong foundation in the basic principles of operating a sustainable farm. Participants will learn about business planning, budgeting, recordkeeping, marketing, livestock production, fruit and vegetable production, and more. In addition, attendees gain a network of supportive farmer-veterans and agricultural advisors.

Free event for those selected to attend, including lodging at the [Yellowstone River Inn](#), transportation to farms and most meals (except for dinner). Participants must pay their own travel costs to and from the event.

Armed to Farm is sponsored by NCAT's [ATTRA Sustainable Agriculture](#) program and a grant from the USDA Beginning Farmer and Rancher Development Program. This training is limited to residents of the Intermountain and Northwestern states, including Washington, Idaho, Montana, Colorado, Wyoming, North Dakota, and South Dakota. For more information, please contact NCAT Ag Specialist Tammy Howard at 406-494-8683 or visit www.ncat.org/armedtofarm.

Webinar: Using Interviews and Surveys to Strengthen Research Partnerships

October 16, 11:00 a.m. (PT). Northwest Climate Adaptation Science Center Skills-Building Webinar Series - Social Science tools for Making Science Actionable. This webinar series was designed to help those engaged in climate science research better understand the range of approaches for developing actionable science. Each webinar explores ways to support effective collaborations between scientific researchers and natural resource managers. Register at: <https://nwcasc.uw.edu/resources/actionable-science-webinars/>.

Symposium: Tribal Children's Environmental Health Symposium

October 16-18, Catoosa, OK. The theme of the symposium is "Protecting Children Where They Live, Learn and Play". Register at www.itecmembers.org. Early registration is strongly recommended. Contact Karen Dye at 918-453-5109 or e-mail karen-dye@cherokee.org.

ITEP: Webinar: FEMA's Flood Mitigation Assistance & Pre-Disaster Mitigation Planning Programs Notice of Funding Opportunity (NOFO)

October 24, 11:00-12:15pm (MST). Offered by ITEP's Tribal Climate Change Program. Kimberly Rogers and Shawn Servoss will provide an overview on the Flood Mitigation Assistance (<https://www.fema.gov/flood-mitigation-assistance-grant-program>) and Pre-Disaster Mitigation Programs (<https://www.fema.gov/pre-disaster-mitigation-grant-program>) most recent Notice of Funding Opportunity and the Mitigation eGrant system requirements. Check back soon for registration at http://www7.nau.edu/itep/main/tcc/Training/Webinars_Schedule.

Webinar: Tribal Climate Science and Adaptation in the Midwest and Northeast

October 24, 12:00 p.m. (ET). Sara Smith, Midwest Tribal Resilience Liaison, and Casey Thornbrugh, Northeast and Southeast Tribal Climate Science Liaison, will talk about the current initiatives in tribal climate science and adaptation in our region. Registration details coming soon.

Conference: Tribal EPA Region 9 26th Annual Conference

October 29 – November 1, San Francisco, CA. Click on the link for more information <https://www.tribalepa.com/>

Conference: Nurture Diversity, Build Resilience

October 31 – November 2, Albuquerque, NM. For the first time ever, the Quivira Coalition, Holistic Management International, and the American Grassfed Association will collaborate to convene ranchers, farmers,

environmentalists, land managers, students, teachers, and others for a three-day conference to explore ideas of regeneration. <https://quviracoalition.org/regenerate/>

November

ITEP: Webinar: Methods and Measurement: How to Assess Vulnerability and Advance Adaptation –

November 1, 11:00 a.m. (MST). Offered by ITEP's Tribal Climate Change Program. Anna Palmer and Derek Kauneckis will examine specific methods/approaches to assess vulnerability, highlight resources available to support tribal adaptation and discuss barriers to implementation. Panelist Anna Palmer will go in-depth to describe the methodology, data sources and findings from her thesis research and examine useful outputs from VA's such as choropleth maps and radar charts that can be used as a decision support tool. Check back soon for registration at http://www7.nau.edu/itep/main/tcc/Training/Webinars_Schedule.

Online Short Course: Managing for a Changing Climate: Societal Impacts of Climate Change

October 22 – November 26, Our short courses will provide an integrative understanding of the components of the climate system. We will discuss the impacts of a changing climate on sectors such as the economy, policy, ecosystems, and indigenous populations. We will also discuss how managers can adapt to these changes. Click on link to register.

<https://docs.google.com/forms/d/e/1FAIpQLScEILCxZ4H5WHayNyc9JHr2KcQUoWqf5PzXNQ1H8UdAXzNV2A/viewform>

Climate 101

November 5, Albuquerque, NM. This one-day course will address the causes of climate change and its observed and projected effects. Participants will obtain a basic understanding of how the global climate system functions, how a changing climate impacts local communities and ecosystems, and an introduction to some tools and resources that staff from a variety of sectors can use to assess and address climate impacts. The course will also provide an overview of the process of climate adaptation planning, including the role of vulnerability assessments, how to incorporate traditional knowledge systems into planning, and some mapping tools that may be helpful. The course is suitable for both GIS professionals and tribal staff and administrators from non-GIS backgrounds. No prerequisites required.

The workshop will be held during the National Tribal GIS Conference. If you plan on attending the rest of the conference, register for Climate 101 through the following link:

<https://www.regonline.com/registration/Checkin.aspx?EventId=2526431> If you would like to register for Climate 101 exclusively, please register at the link below: <https://goo.gl/forms/VeOHfVwGzTWxK72>.

Webinar: Understanding Organizations Using Ethnographic Field Methods

November 13, 11:00 a.m. (PT). Northwest Climate Adaptation Science Center Skills-Building Webinar Series - Social Science tools for Making Science Actionable. This webinar series was designed to help those engaged in climate science research better understand the range of approaches for developing actionable science. Each webinar explores ways to support effective collaborations between scientific researchers and natural resource managers. Register at: <https://nwcasc.uw.edu/resources/actionable-science-webinars/>.

Webinar: Novel Approaches for Estimating and Visualizing Climate Vulnerability for Aquatic Systems

November 14, 12:00 p.m. (ET). Ben Letcher, USGS Leetown Science Center - Silvio O. Conte Anadromous Fish Research Center will present novel approaches for estimating and visualizing climate vulnerability for aquatic systems. Please check back for more information. Webinar log-in will be posted soon.

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

December

Webinar: Qualitative Data: Understanding and Using Interview, Survey Observational Data

December 11, 11:00 a.m. (PT). Northwest Climate Adaptation Science Center Skills-Building Webinar Series - Social Science tools for Making Science Actionable. This webinar series was designed to help those engaged in climate science research better understand the range of approaches for developing actionable science. Each webinar explores ways to support effective collaborations between scientific researchers and natural resource managers. Register at: <https://nwcasc.uw.edu/resources/actionable-science-webinars/>.

Webinar: Wildlife Adaptation Synthesis

December 12, 12:00 p.m. (ET). Olivia LeDee, Acting USGS Director of NE CASC will present a synthesis of wildlife adaptation. Please check back for more information. Webinar log-in will be posted soon.

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

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