



Tribal Climate Change Newsletter

January 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



Tulalip Bay, Washington. Photo credit: S. Wotkyns

We are continuing to firm up our **climate change training schedule** for the coming year. Registration is open for the Climate Change Adaptation Planning training scheduled for April 19-21 in Anchorage, AK. ITEP is collaborating with the Alaska Native Tribal Health Consortium (ANTHC) to plan and deliver the training, and registration forms are available at http://www7.nau.edu/itep/main/Training/training_cc. ITEP is also planning Climate Change Adaptation Planning trainings in Fort Hall, ID (April TBD), Pala, CA (June 7-9), and several other locations.

The **National Tribal Forum on Air Quality (NTF)**, co-sponsored by the Institute for Tribal Environmental Professionals (ITEP) and the National Tribal Air Association (NTAA), is scheduled for May 17-19, at the Seneca Niagara Resort in Niagara Falls, NY. NTF will include sessions on air quality and climate change. If you are interested in giving a climate change presentation and would like to discuss your idea before submitting a proposal, please contact Nikki Cooley (nikki.cooley@nau.edu) or me (susan.wotkyns@nau.edu). Presentation proposals are being accepted through February 26. More information about NTF is available here: http://www7.nau.edu/itep/main/Conferences/confr_ntf.

Wishing you a wonderful holiday and Happy New Year!

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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/

— Sue Wotkyns, Program Manager

In The News

Spanish Missions Triggered Native American Population Collapse, Indirect Impact on Climate

New interdisciplinary research in the Southwest United States has resolved long-standing debates on the timing and magnitude of American Indian population collapse in the region. © 2016 by the American Association for the Advancement of Science (AAAS), 01/16/16.

http://www.eurekalert.org/pub_releases/2016-01/smu-smt012616.php

Local Knowledge as a Model of Climate Change Mitigation

The Inuit Circumpolar Council – Alaska (ICC-AK) recently released a report that strongly tied the protection of traditional aspects of culture to the protection of the natural environment. © 2016 TheHuffingtonPost.com, Inc., 01/21/16.

http://www.huffingtonpost.com/nichlas-emmons/local-knowledge-as-a-mode_b_8890654.html

Climate Change Could Devastate Native Americans' Way of Life

If you've been following the news on climate change over the past few years, chances are you've heard of climate refugees – people who are forced to leave their homes due to sea level rise, desertification and other climate-related catastrophes. © 2016, Care2.com, 01/15/16.

<http://www.care2.com/causes/climate-change-could-devastate-native-americans-way-of-life.html>

Indigenous Rights Cut From Paris Agreement: Why It Concerns Us All

On December 12 at the 2015 United Nations Climate Change Conference (COP21), the world watch as a packed hall of negotiators celebrated the adoption of the Paris Agreement as an historic turning point in the international effort to stop climate change. © IC Magazine, 01/13/16.

<https://intercontinentalcry.org/indigenous-rights-cut-from-paris-agreement-why-it-concerns-us-all/>

Xiuhtezcatl Martinez: Teen Hip-Hop Activist Sees Global Youth Movement Afoot

Xiuhtezcatl received his Nahuatl name through his elders, in the Mexican Mexica tradition of his father. "He supported my indigenous identity," the 15-year-old hip-hop artist and activist told Indian Country Today Media Network while attending the COP21 climate talks in Paris. © 2016 Indian Country Today Media Network, LLC, 01/08/16.

<http://indiancountrytodaymedianetwork.com/2016/01/08/xiuhtezcatl-martinez-teen-hip-hop-activist-sees-global-youth-movement-afout-163015>

State Seeks Tribes' Input on Clean Power Plant

The North Dakota Department of Health will tap tribes next for input on a plan to reduce the state's carbon dioxide emissions by 45 percent in 2030. In recent months, the state health department sought public comment on the U.S. Environmental Protection Agency's Clean Power Plan for North Dakota. © 2016 Bismark Tribune, 01/01/16.

http://bismarcktribune.com/community/state-seeks-tribes-input-on-clean-power-plan/article_26e9c7d5-e33d-5e77-bdf0-95ab923c997d.html

Climate Change Threatens Louisiana's Isle de Jean Charles, But Doesn't Dampen Holiday Cheer

Members of the Biloxi-Chitimacha-Choctaw tribe who live on Isle de Jean Charles in southern Louisiana are destined to become some of the first climate change refugees in the United States. © Desmog 2016, 12/24/15.

<http://www.desmogblog.com/2015/12/24/climate-change-threatens-louisiana-s-isle-de-jean-charles-doesn-t-dampen-holiday-cheer>

Arctic Native Leaders: Paris Climate Agreement Didn't Address Indigenous Rights

Reggie Joule says the plan to reduce global greenhouse gas emissions that emerged from the Paris climate talks last week didn't include some very important provisions. © 2016 KTOO, KTOO Public Media, 12/22/15.

<http://www.ktoo.org/2015/12/22/122427/>

Climate Change and the Seventh Generation: Navajo Environmentalist Ann Marie Chischilly at COP21

The huge Native presence at the United Nations COP21 climate talks in Paris was in line with the intimate relationship that these diverse cultures have with the environment. © 2016 Indian Country Today Media Network, LLC, 12/19/15.

<http://indiancountrytodaymedianetwork.com/2015/12/19/climate-change-and-seventh-generation-navajo-environmentalist-ann-marie-chischilly-cop21>

Resources

Ecologically-Relevant Maps of Landforms and Physiographic Diversity for Climate Adaptation Planning (PLOS One)

This research article discusses the key to understanding the implications of climate and land use change on biodiversity and natural resources is to incorporate the physiographic platform on which changes in ecological systems unfold. 12/01/15.

http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0143619&utm_source=Newsletter+1.20.16&utm_campaign=Constant+Contact&utm_medium=email

Let's Talk About It: Climate Change and Coastal Impacts Workshop for Media Professionals (NCSSU)

The Southeast Climate Science Center at North Carolina State University along with North Carolina Coastal Federation, Climate Central, and Climate Communication conducted a workshop in October 2015. Through fieldtrips, presentations, and interactive sessions, the workshop's goals were to help media professionals become more knowledgeable about the state and impacts of climate change, and communicating about climate change. 10/13/15.

<https://globalchange.ncsu.edu/lets-talk-about-it-climate-change-and-coastal-impacts-workshop-for-media-professionals/>

Local Environmental Observer (LEO) Network (ANTHC)

The Alaska Native Tribal Health Consortium announced the new website for the Local Environmental Observer (LEO) Network, which is a network of local observers and topic experts who share knowledge about unusual animal, environment, and weather events. These observations are based on local and traditional knowledge, and the experience of network members. 01/05/15.

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

Managing Off-Reservation Treaty Resources in a Changing Climate (GLIFWC)

A changing climate presents new challenges for Ojibwe tribes in co-managing their off-reservation treaty resources. The Great Lakes Indian Fish and Wildlife Commission (GLIFWC) is an intertribal natural resource agency that assists its eleven member Tribes in managing off-reservation treaty reserved rights in the Ceded Territories of Minnesota, Wisconsin, and Michigan. Through its Climate Change Program, GLIFWC is working to define the extent and severity of climate change impacts in the Ceded Territories in order to prepare for and adapt to them.

<http://www.glifwc.org/ClimateChange/ClimateChange.html>

Other Items of Interest

Postdoc at Michigan State University/College of Menominee Nation on Indigenous Peoples and U.S. Climate Science (NSF)

Michigan State University and the College of Menominee Nation invite applicants for a research associate (postdoctoral research fellow) under a National Science Foundation grant. This project seeks to understand the range of practices that U.S. climate science organizations employ to prepare their staff for ethical issues that will occur when engaging with Indigenous peoples and to evaluate the perceptions of the effectiveness of these practices from organizational and Indigenous perspectives. Posting #2549.

<https://jobs.msu.edu/applicants/jsp/shared/frameset/frameset.jsp?time=1452901908833>

Alaska Voices on Climate (U.S. EPA)

The EPA is seeking videos on the impact of climate on Alaska today and the work that is being done to ensure a healthy environment for future generations. Submission of videos should address how climate change has affected your community, what your community is doing to adapt, and what lessons you can share to help other communities to become more resilient.

<http://www.epa.gov/ak/alaskan-voices-climate>

Remote Alaskan Communities Energy Efficiency Competition (U.S. DOE)

The U.S. Department of Energy's Office of Indian Energy and Office of Energy Efficiency and Renewable Energy announced a new energy efficiency competition to help remote Alaskan communities with energy challenge. The goal is to empower Alaskan communities and Alaska Native villages to develop effective tools to advance the use of reliable, affordable, and energy efficient solutions that are replicable throughout Alaska and other Arctic regions.

<http://www.energy.gov/remote-alaskan-communities-energy-efficiency-competition>

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.

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

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/>

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

The goal of this Federal Funding Opportunity 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 other environmental hazards. These threats and vulnerabilities include but are not limited to severe storms, tornadoes, hurricanes, flooding, heavy precipitation events, persistent drought, heat waves, increased global temperatures, acidification of the ocean, and sea level rise. Eligibility includes federally recognized Native American tribal governments. Funding Opportunity # NOAA-SEC-OED-2016-2004737. Deadline: 02/08/16.

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

Climate Change Adaptation – Tribal Liaison (BIA)

The Secretary of the Interior, through the Office of Trust Services, hereby solicits cooperative agreement/co-operative agreement proposals from tribal non-profit, non-governmental organizations, tribally controlled colleges or universities serving management fields impacted by climate change to enter into a cooperative agreement for the identification and hiring of tribal climate science liaisons to address tribal climate change science needs. Eligibility includes tribal non-profit, non-governmental organizations, tribally controlled colleges or universities. Funding opportunity # BIA-CLIMATE-16-000. Deadline: 02/12/16.

<http://www.grants.gov/web/grants/search-grants.html?keywords=BIA-climate-16-0001>

GBLCC FY16 Funding Request for Pre-Proposals for Information Synthesis, Knowledge Discovery, and Conservation Planning

The Great Basin Landscape Conservation Cooperative intends that awards under this announcement will support its mission and goals regarding how climate change and other stressors affect natural and cultural resources within the geographic range of the GBLCC. Eligibility includes federally recognized Native American tribal governments and Native American tribal organizations. Funding opportunity # F16AS00092. Deadline: 03/25/16.

<http://www.grants.gov/web/grants/search-grants.html?keywords=F16AS00092>

Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants (NIH)

This Funding Opportunity Announcement encourages applications using community-engaged research methods to investigate the potential health risks of environmental exposures of concern to the community and to implement an environmental health action plan based on research findings. Eligibility includes tribally controlled colleges and universities, federally recognized tribal governments, and Native American tribal organizations. Funding opportunity # PA-16-0836. Deadline: 05/05/16.

<http://grants.nih.gov/grants/guide/pa-files/PA-16-083.html>

Upcoming Events

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

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

February 2016

Webinar: Will Climate Change Result in Mismatches Between Fish and Phytoplankton Phenology? Empirical Evidence from the California Current and Earth System Model Projections

February 02, 12:00 – 1:00 p.m. Pacific. Offered by the North Pacific Landscape Conservation Cooperative (NPLCC). Rebecca Asch, postdoctoral research associate and senior fellow in the Atmospheric and Oceanic Sciences program at Princeton University.

<http://www.northpacificlcc.org/will-climate-change-result-in-mismatches-between-fish-and-phytoplankton-phenology-empirical-evidence-from-the-california-current-and-earth-system-model-projections>

Webinar: Visualizing the Impact of Future Climate on Pine Forests

February 02, 3:00 – 4:00 p.m. EST. Offered by the USGS. The Pine Integrated Network: Education, Mitigation, and Adaptation Project (PINEMAP) focuses on understanding this valuable resource and communicating how climate will affect planted loblolly pine forests in the southern US. Visualizing climate impacts can be challenging, especially when the issues

of uncertainty and a spread of future climates scenarios are considered.

<https://nccwsc.usgs.gov/webinar/PINEMAP>

Conference: Alaska Forum on the Environment

February 8-12, Anchorage, AK. Alaska's largest statewide gathering of environmental professionals from government agencies, non-profit and for-profit businesses, community leaders, Alaskan youth, conservationists, biologists and community elders.

<http://www.cvent.com/events/alaska-forum-on-the-environment-2016/event-summary-e659524cc2b24ad9b2e1d4c37381698c.aspx>

Training: Community-Scale Tribal Renewable Energy Workshop

February 09-11, Rancho Mirage, CA. Offered by the U.S. Department of Energy (DOE) Office of Indian Energy. This workshop offers a unique opportunity for participants to learn from renewable energy project experts, get hands-on experience using technology resource assessment tools, explore project case studies, and hear from the other tribes about lessons learned.

<http://energy.gov/indianenergy/events/community-scale-tribal-renewable-energy-workshop>

Webinar: Water Policy and Climate Change for Alaska Natives

February 17, 10:00 – 11:15 a.m. AKT. Offered by the Alaska Center for Climate Assessment and Policy (ACCAP). This webinar will provide environmental professionals with an overall understanding of how water policies, regulation, and laws apply to Alaska Native communities and can be utilized to find solutions to environmental challenges.

https://events-na11.adobeconnect.com/content/connect/c1/1083313451/en/events/event/shared/1395892285/event_landing.html?scoid=1397279563& charset =utf-8

Webinar: North Central U.S. Monthly Climate and Summary Outlook

February 18, 1:00 – 2:00 p.m. Central. Offered by NOAA. 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.

<https://attendee.gotowebinar.com/register/7395763081104006913>

Conference: Sagebrush Ecosystem Conservation: All Lands, All Hands

February 23-26, Salt Lake City, UT. Joint conference of the Great Basin Consortium and a Western Association of Fish and Wildlife Agencies sponsored sagebrush science and management meeting.

<http://sagebrushconference2016.org/index.cfm>

Webinar: Forecasting Potential Climate Refugia to Guide Conservation of Montane Species

February 24, 3:30 p.m. EST. Offered by the Northeast Climate Science Center (NCSC). Montane forests and the species that live in them are vulnerable to climate change. This vulnerability presents a challenge to land managers who must prioritize protected areas for conservation and anticipate potential impacts of changing environmental conditions.

<https://necsc.umass.edu/webinars/%E2%80%9Cforecasting-potential-climate-refugia-guide-conservation-montane-species%E2%80%9D>

March 2016

Conference: National Environmental Justice Conference and Training Program

March 09 - 12, Washington, D.C. Offered by the National Environmental Justice Conference, Inc. Leaders from various sectors will engage in three plus days of free exchange of new ideas and new approaches to building healthy communities.

<http://thenejc.org/?conference=national-environmental-justice-conference-and-training-program>

Online Training: Climate Adaptation and Emergency Mitigation Planning for Alaskan Communities

March 28 – May 06, Offered by the Water Policy Consulting, LLC. This six week on-line training is intended for environmental professionals, policy makers and community members in Alaska who are involved in climate change adaptation and emergency mitigation planning in their community.

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

Training: Climate Fundamentals Academy: South Florida Regional Workshop #2

March 29 – 30, Fort Lauderdale, FL. Offered by the Association of Climate Change Officers (ACCO). These training activities provide participants with a foundation for understanding greenhouse gas emissions and related reporting and disclosure frameworks, strategies for engaging stakeholders and leading organizational change, assessing the legal and policy landscape and examining the economic implications of climate change.

<http://community.accoonline.org/events/EventDetails.aspx?id=691002>

April 2016

Conference: Local Solutions: Eastern Regional Climate Preparedness Conference

April 4-6, Baltimore, MD. Offered by the Antioch University and U.S. EPA. This capacity-building, “how to” conference, convened by Antioch University’s Center for Climate Preparedness & Community Resilience in partnership with the U.S. Environmental Protection Agency (EPA), is designed to build capacity for local decision makers from throughout the Eastern United States (EPA Regions 1-4).

<http://www.communityresilience-center.org/conference-2016/>

Conference: Native American Fish & Wildlife Society: 27th Annual Great Plains Region Conference

April 10 – 13, Red Lodge, MT. Offered by the Native American Fish & Wildlife Society (NAFWS).

<http://www.nafws.org/events/regional-events>

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