
Pacific Northwest Tribal Climate Change Network: Email Bulletin and Conference Call Notes – January 17, 2018

Call Participants:

- Howie Arnett, Confederated Tribes of Warm Springs
- Dominique Bachelet, OSU
- Robert Compton, Bureau of Indian Affairs
- Amanda Craig, CTCLUSI
- Aja DeCoteau, CRITFC
- Helena Deswood, SW Climate Hub
- Tom Downey, Confederated Tribes of Siletz Indians
- Meagan Flier, Confederated Grande Ronde
- Rodney Frey, University of Idaho,
- Laura Gephart, CRITFC
- Oliver Grah, Nooksack Tribe
- Ciarra Greene, Portland State University
- Keith Hatch, Bureau of Indian Affairs
- Margaret Herzog, Bureau of Indian Affairs
- Melanie Hess, ATNI/NPLCC Intern
- Tylo Kennedy, Klawock Cooperative Association
- Robert Knapp, Jamestown S’Klallam Tribe
- Robb Krehbiel, Defenders of Wildlife
- Dana Krishland, Environmental Protection Agency
- Meade Krosby, UW Climate Impacts Group
- Linda Kruger, USDA FS PNWRS Juneau Forestry Lab
- Dennis Longknife, Fort Belknap Indian Community
- Kathy Lynn, University of Oregon
- Amelia Marchand, Confederated Colville Tribes
- Joaquin Marchand, Confederated Colville Tribes
- Mary Mahaffy, NPLCC
- John Mankowski, NPLCC
- Paul McCollum, Port Gamble S’Klallam Tribe
- Don Motanic, ITC
- Candace Penn, Squaxin Island Tribe
- Sam Phillips, Port Gamble S’Klallam Tribe
- Melissa Poe, WA Sea Grant
- Matthew Powers, Saint Regis Mohawk Tribe
- Larissa Ritzman, Shoalwater Bay Tribe
- Michael Rossotto, Quileute
- Don Sampson, Affiliated Tribes of Northwest Indians
- Colleen Sanders, CTUIR
- Tom Schlosser, Tribal Attorney
- Carlotta Whitecrane, Karuk Tribe
- Fletcher Wilkinson, Samish Indian Nation
- Ramona VanCleve, FEMA Region X
- Melissa Watkinson, University of Washington
- Emily Wright, Cascadia Consulting Group
- Ann Wyatt, Klawock, Alaska

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UPCOMING PNW TCCP Calls:

- February 21, 2018
- March 21, 2018
- April 18, 2017
- May 16, 2018
- June 20, 2018
- July 18, 2018
- August 15, 2018
- September 19, 2018
- October 17, 2018
- November 21, 2018
- December 19, 2018

Conference Call Information:

Call Time: 10:00 am Pacific
Toll-Free: 888-844-9904
Access Code: 5064716
Adobe Connect web meeting:
<http://oregonstate.adobeconnect.com/tribalclimate>

Meeting Notes

ATNI Resolution: Tribal Carbon Credits as a Trust Resource

Howie Arnett, with the Confederated Tribes of Warm Springs provided background and overview of the resolution being presented next week at the ATNI winter convention. This resolution states that one of ATNI's member tribes, "the Confederated Tribes of the Warm Springs Reservation of Oregon has entered the "carbon sequestration" market by participating in the California Cap and Trade Program based on the Warm Springs Tribe's Improved Forestry Management Project," and resolves that "ATNI adopts the position of the Warm Springs Tribe that revenue from the sale of carbon offset credits directly derived from management of tribal forests are entitled to treatment by the U.S. Department of Interior as "trust funds" as defined by 25 CFR Section 115;" and that "ATNI hereby respectfully but strongly urges the U.S. Department of Interior to expressly state the Department's acceptance of revenue from the sale of Warm Springs and other tribal carbon offset credits as "trust funds" eligible for deposit in tribal trust accounts." ATNI requests that you review this resolution and consider it for adoption prior to the Winter Convention. If you have questions, you can contact Tribal Council Representative Carina Miller at carina.miller@wstribes.org or Don Sampson at Don@Seventhgenerationllc.com.

Howie described that historically some timber tribes have made per capita payments from their trust accounts from timber revenue. Warm Springs has historically made per capita payments from timber revenue. As timber revenue has declined, alternative funding sources have been explored. Now the trust of tribal timber lands is being managed through carbon credits, but the federal government has not agreed that sequestration of carbon should be regarded as income from a trust resources. This resolution will be formally introduced at ATNI next week and then forwarded to NCAI for consideration. Don Motanic asked about potential legislative solutions; Howie said they could look into that. Another questions focused on whether the definition of carbon sequestration in the resolution could be broadened beyond forest sequestration to encompass soil sequestration, wetlands and other sources of sequestration. Don Sampson suggested that would be a good issue to bring up in the ATNI natural resources committee meeting next week. Margaret asked if Warm Springs is part of the California [Climate Action Registry](#)? Don also stated that Warm Springs carbon credit project is registered with the California Registry and with [American Carbon Registry](#). Margaret suggested the terminology in the resolution could be broadened to carbon registry exchange products.

Tribal and First Nations Climate Change Summit

Don shared a recap of the Tribal and First Nations Climate Summit, which took place December 13-14, 2017. Over 150 members of the region's Tribes and First Nations gathered in for the Summit, which was hosted by the Tulalip Tribes and sponsored by the Affiliated Tribes of Northwest Indians, the North Pacific Landscape Conservation Cooperative, the Bureau of Indian Affairs, the Northwest Climate Science Center and the PNW Tribal Climate Change Project. The Summit focused on four themes: traditional knowledges, cultural and subsistence resources, adaptation and resiliency, and policy issues. Tribal leaders, tribal members and tribal scholars from Pacific Northwest and Alaskan tribes and First Nations in Canada provide their perspective and stories in keynote and plenary presentations. A series of 15 lightning presentations also showcased tribal and non-tribal partners engaged in climate change science, adaptation, planning, research, and other initiatives. Summit organizers are preparing a set of proceedings that will be shared in the coming weeks. Summit Organizers are also inviting participants to take a brief survey to reflect on the Summit, provide feedback and suggestions for future events. The [survey](#) can be accessed [here: https://goo.gl/forms/irWTR6oj0R5drmMh2](https://goo.gl/forms/irWTR6oj0R5drmMh2)

John Mankowski reflected on the coming together of Tribes and First Nations, and his observation that a few years ago the summit was non-tribal leaders talking to tribes, but this time it was tribes talking to tribes. And in the past, the focus was on how to help tribes move forward, and now it was showcasing tribal leadership at regional, national and international scales.

Proceedings will be shared with Summit participants and others in the coming weeks. ATNI will post PPT presentations to the Summit event page here: <http://atntribes.org/climatechange/events/>. Kathy will share links to the proceedings and PPT presentations when they are available on the website.

“We Are Still in”

“We” are more than 2,500 leaders from America’s city halls, state houses, boardrooms, and college campuses who have signed the We Are Still In declaration since its initial release on June 5, 2017. This unprecedented network of networks represents more than 127 million Americans and \$6.2 trillion of the U.S. economy. Spanning all 50 states — red and blue — we are demonstrating America’s enduring commitment to tackling climate change, ensuring a clean energy future, and upholding the Paris Agreement. To date, We Are Still In is the largest cross-section of local leaders in support of climate action in the United States. Don Sampson presented a letter to Tribes around the country to sign on and join this effort. (See Attached) This letter will be presented at the ATNI convention next week. Any tribes interested in signing on to this letter should email Don at Don@Seventhgenerationllc.com. Amelia asked if ATNI will be providing any guidance for actions that individual tribes may take to help meet the commitment? We will continue to share information about this initiative and any guidance to those who sign on. Additionally, there will be a [Global Climate Summit](#) in September 2018 in San Francisco that brings together group those involved with “[America’s Pledge](#)” and “[We are still in.](#)”

Phenology Monitoring of Cultural Resources through Citizen Science

Ciarra Greene shared an update about a project she is working on as a National Science Foundation Graduate Research Fellow through Portland State University and USGS. The goal of this project is to expand phenology monitoring of cultural resources through citizen science. The USGS has developed a citizen science mobile app (ScienceCache) to monitor the phenology of huckleberries in Glacier National Park. Citizen science engages public participants in gathering and documenting scientific data; Phenology is the study of seasonal changes in plants and animals; and Seasonal rounds are the cycles we follow in gathering our cultural resources, including the time and place. Phenology data lives within tribal seasonal rounds, yet this knowledge is minimally integrated into science databases. Phenology data provides us with information to improve climate modeling for our relatives (cultural resources) and can inform land managers and direct policy on promoting resilience of culturally significant species. This project does not aim to collect sensitive information on traditions or gathering places of cultural resources, rather aims to promote the documentation of phenology/seasonal round data of cultural resources in publicly accessible places. If you are interested in this project (setting up a phenology monitoring site or developing lesson plans with phenology data), please contact Ciarra Greene at cgreene@usgs.gov. Ciarra will also let the Network know once the mobile app is available to use.

Ciarra shared The Wakarusa Wetlands Phenology Trail at Haskell Indian Nation University as an example. This project is an effort of the Indigenous Phenology Network to connect students at tribal colleges with traditional plants and the tools of climate science: <https://www.usanpn.org/wakarusa-trail>. Margaret Herzog shared a link to subscribe to the Indigenous Phenology Network (<https://lists.colostate.edu/cgi-bin/mailman/listinfo/indigenousphenology>). You can join the listserv and monthly calls by emailing Indigenousphenology@lists.colostate.edu.

University of Washington Tribal Capacity for Climate Change Vulnerability Assessments

Meade Krosby with the University of Washington Climate Impacts Group provided an update on their project, “Building Tribal Capacity for Climate Change Vulnerability Assessments.” This project will help address limited tribal capacity for vulnerability assessment by providing guidance and data tailored to the needs and capacities of Northwest and Great Basin tribes. Specifically, the project will:

- Make the vulnerability assessment process more accessible to tribal staff by providing online guidance materials targeted to tribal needs and capacities;
- Address the demand for climate data at the scale of tribal decision-making by providing downscaled climate data and climate change summaries for tribes; and
- Support tribal staff through the vulnerability assessment process via workshops and a webinar to provide training on the use of project resources and datasets, and by staffing a [Tribal Climate Technical Support Desk](#) to provide rapid response to relevant queries.

Over the past year, they contacted over 80 tribes in the region to gain input on the geographies that tribes would like to have climate data tribes for. They heard back from 44 tribes. They are still seeking input on the geographic areas tribes would like to have data for, and also to identify tribes that are interested in piloting the climate tool, which will have 20 different climate variables. Additionally, there will be a series of workshops and webinars this summer about the climate tool.

If your tribe is interested providing feedback as they develop these products and in piloting the data this winter and spring, contact Meade Krosby at (206) 579-8023 or mkrosby@uw.edu.

Tribally-Focused Climate Change Adaptation Guidebook

The Oregon Climate Change Research Institute, Adaptation International, and other partners are developing a tribally-focused climate change adaptation guidebook. The pre-release version of the guidebook is currently available for review by tribes and organizations working with tribes on climate change adaptation. Existing reviewers and those interested in signing up to review are encouraged to register for one of two webinars that will provide an overview of the pre-release version of the guidebook as well as the review process. There will also be an opportunity to ask questions. Note that this is a DRAFT product and the final version of the guidebook is planned to be released in Summer or Fall of 2018. This project is primarily funded by a grant from the North Pacific Landscape Conservation Cooperative, and received supplemental funding from the Pacific Northwest Climate Impacts Research Consortium, a NOAA RISA team.

- Webinar 1: January 23, 2018, 10-11 am PST
<https://oregonstate.webex.com/oregonstate/onstage/g.php?MTID=e199b9ffaeffc08de4b1a69475a0ca7af>
- Webinar 2: January 26, 2018 3-4 pm PST
<https://oregonstate.webex.com/oregonstate/onstage/g.php?MTID=efa34851342dcd11ebbdb2af4d2718ab3>

4th National Climate Assessment – Public Review Process

The public draft of Volume II of NCA4, *Climate Change Impacts, Risks, and Adaptation in the United States*, is now available for public review and comment. **The deadline for comment is January 31, 2018.** USGCRP's Review and Comment system for the Third Order Draft of NCA4 Vol. II can be accessed [HERE](#). The Indigenous Peoples Chapter of the 4th National Climate Assessment includes a link to an interactive mapping application that will continue to record new resilience actions as Tribes and Partners wish to report them to assist others in learning from their example. To report [IP Resilience Actions Map](#) issues or add new actions, use the [NCA IP Actions Map Feedback Form](#). Other key links are here:

- BIA NCA Tribal Resilience page: <https://www.bia.gov/bia/ots/tribal-resilience-program/nca>
- Interactive Map of Tribal Climate Resilience Actions: <https://www.bia.gov/bia/ots/tribal-resilience-program/nca/>
- Indigenous Peoples Resilience Map: [Feedback Form](#)

Margaret noted that the Indigenous Peoples Resilience map is going to be embedded in the tribal chapter, and the new map will allow you to better filter documents that are listed for each tribe. The direct link to the

feedback form is: <https://www.bia.gov/bia/ots/tribal-resilience-program/nca> or contact Margaret can send list of actions and materials included in the map for individual tribes. Contact Margaret at margaret.herzog@bia.gov.

Washington Tribal Environmental Health Summit 2018:

Emerging Roles for Tribal Governments: Promoting Health Through Healthy Communities. Amelia shared that the Washington Tribal Environmental Health Summit took place earlier this month. There was a lot of discussion about traditional foods, climate change, and public health issues and discussion about different types of diseases that will impact communities. Amelia suggested that the phenology app that Ciarra shared might be of interest to those that participated in the Tribal Environmental Health Summit. Margaret also shared the Tribal Climate Health website under development through a grant to Pala Band of Mission Indians from the U.S. EPA. Prosper Sustainably is working with the Pala Band of Mission Indians to develop the site and will be presenting the Tribal Climate Health Site during a PNW Tribal Climate Change Network call this spring. For more information on the Tribal Climate Health site, contact Angie Hacker at ahacker@prospersustainably.com.

The University of Arizona Native Nations Climate Adaptation Program

Southwest Tribal Climate Change Network Call

The University of Arizona [Southwest Tribal Climate Change Network Call](#) will take place on **Wednesday, February 7th, 2017 at 11:00 am (Arizona time)**.

Please join us for the following presentation:

" **Intro to the South Central CSC mission and resources**"

Atherton Phleger

Atherton Phleger is responsible for managing the South Central CSC's tribal engagement projects in New Mexico. Atherton collaborates with tribal stakeholders to develop and deliver capacity-building trainings and other educational workshops, leverage the resources of the University to provide technical assistance and relevant data to tribes in their pursuit of climate vulnerability assessment and adaptation planning, and serve as a representative of the CSC at workshops, conferences, and meetings.

The University of Arizona Southwest Tribal Climate Change Network: Hosted by the [Hauri Native Nations Climate Adaptation Program](#)

To join the call, [register here](#) on **Wednesday, February 7th, 2017 at 11:00 am (Arizona time)**, or go to this URL: <https://zoom.us/j/235581702>

The Network is open to tribes, tribal organizations, agencies, and other interested individuals, and it meets monthly through

Zoom. The goals of the network are to (1) identify existing tribal climate change efforts being undertaken in Arizona, California, Colorado, Louisiana Nevada, New Mexico, Oklahoma, Texas, and Utah; (2) assist Native Nations in identifying and building capacity for adaptation and in identifying climate-related sources of risk and opportunity; (3) coordinate the efforts of climate/environment researchers and practitioners; and, (4) strengthen collaborative networks and relationships between researchers, tribal members and other potential partners. Additional project activities will be identified as the project progresses.

Funding Opportunities

The online tribal climate change guide lists current and future funding opportunities here: <http://tribalclimateguide.uoregon.edu/>. If you have updated information on any grants or programs or new grant sources to recommend for the guide, please email kathy@uoregon.edu.

Funding Opportunity Announcements (FOAs) for the [Drought Response Program](#).

Deadline for Applications: February 7 and 13, 2017. Darion Mayhorn, Reclamation Drought Coordinator announced the funding opportunities available for the Drought Response Program. Eligible applicants are invited to leverage their resources by cost sharing Drought Contingency Planning and Drought Resiliency Projects with Reclamation to build resilience to drought in advance of a crisis. Under Drought Contingency Planning, applicants may request funding to develop a new drought plan or to update an existing drought plan. Drought Resiliency Projects increase flexibility for water managers through system modifications and improvements, and development of alternative water supplies, among other projects to mitigate the impacts of future drought.

- Planning Funding - <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298720>.
- Project Funding- <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298763>

Contingency Planning. Grants due February 6, 2018. Reclamation will provide financial assistance on a competitive basis for applicants to develop a drought contingency plan or to update an existing plan to meet the required elements described in the Drought Response Framework. "**Drought Resiliency**" is defined as the capacity of a community to cope with and respond to drought. **Grants due February 13, 2018.** Under this element of the program, Reclamation will fund drought resiliency projects that will help communities prepare for and respond to drought. Typically, these types of projects are referred to as "mitigation actions" in a drought contingency plan. You can contact Darion Mayhorn with any questions: Darion Mayhorn, Reclamation Drought Coordinator, dmayhorn@usbr.gov, 303-445-3121

Job Opportunities

[Wisdom Workforce Development Internship Program Now Accepting Spring 2018 Applicants](#). The Wisdom Workforce Development Internship Program will launch another season on February 27th, 2018. The application process is now open! Our internship program provides a monthly stipend, and training in environmental assessment, habitat restoration and career pathway planning for Native American adults. The application form to apply is available below: http://www.wisdomoftheelders.org/wp-content/uploads/2017/02/WWD_Applic_Online.pdf

[Indigenous Foods Program Coordinator, Na'ah Illahee Fund](#). **Deadline for applications: January 31, 2018.** Na'ah Illahee Fund is a community-based organization headquartered in Seattle, with a mission to support and promote the leadership of Indigenous women and girls in the ongoing regeneration of Indigenous communities in the Pacific Northwest. The Yahowt Program has a goal to advance the revitalization and preservation of traditional Indigenous knowledge through environmental justice programming that focuses on following the

original teachings of Mother Earth. We organize to stop the impact of dirty fossil fuels and to create new pathways into the future that honor and include traditional ecological knowledge, engage indigenous youth and elders, and utilize modern technologies towards a Just Transition to a sustainable economy. The Indigenous Foods Program brings together practitioners and community members to develop a robust Foods system in the Seattle area and beyond. Position includes desk work as well as field work, physical labor and ability to lift heavy materials (up to 50 pounds). Send resume and cover letter to info@naahillahee.org, attention Susan Balbas, Executive Director. For information: http://www.afsnet.org/networking/apply_now.aspx?view=2&id=477007.

Research: Research Assistant & Research Associate, Ecosystem Workforce Program-Institute for a Sustainable Environment (University of Oregon, OR). **Deadline: January 31, 2018.** The Ecosystem Workforce Program, part of the Institute for a Sustainable Environment at the University of Oregon, is searching for two candidates to join our team in support of engaged research on sustainable resource management and community development in the U.S. West. The Research Assistant should hold at least a Master's degree, and the Research Associate should have a Ph.D., in a relevant social science field with a focus on quantitative research and data analysis. The Ecosystem Workforce Program links ecological health, economic prosperity, and democratic governance through applied research and policy education. Learn more at ewp.uoregon.edu or [here](#).

NOAA UNDERGRADUATE SCHOLARSHIPS. **Applications due January 31, 2018.** NOAA is accepting applications for the Ernest F. Hollings Scholarship and the EPP Undergraduate Scholarship. Students who are current sophomores majoring in STEM fields that directly support NOAA's mission may apply. The scholarships provide \$19,000 in academic support and participants conduct research at a NOAA facility during two summer internships. Eligible students may apply to both programs with one online application due January 31. Community college students who are transferring to four year institutions are also eligible to apply. <http://www.noaa.gov/office-education/scholarships>

The Doris Duke Conservation Scholars Program at the University of Washington **Deadline: February 9, 2018.** This program is a paid, two-summer experiential learning experience that explores conservation across themes of *climate, water, food* and *ecosystems* of the Pacific Northwest. By exploring intersections of ***biodiversity conservation and environmental justice*** across both ***urban*** and ***rural*** contexts, emerging scholars develop skills and perspectives that deepen their understanding of their relationship to healthy lands and waters. DDCSP@UW is looking for a community of 20 scholars who reflect cross-cultural backgrounds and perspectives with an emphasis on students from historically underrepresented groups in the conservation field. *Doris Duke Conservation Scholars will have all travel, food and lodging paid during their 8-week summer experience and will receive a stipend of \$4,000 (\$500/week) in each of the two years for a total of \$8,000.* More information: <http://uwconservationscholars.org/program/apply/>

USDA 1994 Tribal Scholars Program. **Deadline: February 9, 2018.** The U.S. Department of Agriculture (USDA) 1994 Tribal Scholars Program is an employment program that offers a combination of work experience and academic study leading to career positions within USDA. The program is designed to integrate classroom study with paid work experience. The program is conducted in accordance with a planned schedule and a working agreement between USDA agencies, student, and the 1994 Tribal Colleges and Universities. The USDA 1994 Tribal Scholars Program is designed to strengthen the long-term partnership between USDA and the 1994 Land-Grant Institutions; to increase the number of students studying and graduating in food, agriculture, natural resources, and other related fields of study; and to develop the pool of scientists and professionals to annually fill 50,000 jobs in the food, agricultural, and natural resources system. <https://www.outreach.usda.gov/education/1994tlgcu/>

SOARS. **Deadline: February 1, 2018.** SOARS is an undergraduate to graduate research internship program for students interested in the atmospheric and related sciences, based at the National Center for Atmospheric

Research (Boulder, Colorado). It is dedicated to broadening participation in the atmospheric and related sciences and is built around genuine research experiences, mentoring by top scientists and engineers, and a supportive learning community. In addition to the summer internship, SOARS includes year-round support, funding to attend conferences and last-dollar tuition scholarships. Successful protégés are eligible to participate in the program for up to four years. For more information and to apply, please see www.soars.ucar.edu.

Media, Publications and Online Resources

Protecting The Waterways Of The Navajo Nation. Dr. Karletta Chief on Science Friday. January 12, 2018. <https://www.sciencefriday.com/segments/protecting-the-waterways-of-the-navajo-nation/>

Breakthrough: Bitter Water. This video is part of "Breakthrough: Portraits of Women in Science," a short film anthology from Science Friday and Howard Hughes Medical Institute (HHMI) that follows women working at the forefront of their fields. <https://www.sciencefriday.com/videos/breakthrough-bitter-water/>

Integrating Traditional Ecological Knowledge and World Renewal Ceremonies into Fire Adaptation: An Indigenous Stewardship Model. By: Bill Tripp, Karuk Tribe, Department of Natural Resources <https://fireadaptednetwork.org/traditional-ecological-knowledge-world-renewal-ceremonies-fire-adaptation/>

Interior rescinds climate, conservation policies because they're 'inconsistent' with Trump's energy goals. By [Juliet Eilperin](#) January 5. Washington Post. <https://www.washingtonpost.com/news/>

Interior rescinds conservation, climate policies. In late December, Interior Deputy Secretary David Bernhardt rescinded several policies that officials had decided were "inconsistent" with the goals of an order by Secretary Ryan Zinke titled "American Energy Independence." <http://apps.washingtonpost.com/g/documents/national/interior-rescinds-conservation-climate-policies/2696/>

Upcoming Events

January 22-25, 2018. ATNI Winter Convention. DoubleTree by Hilton Portland, OR. [Register here](#)

January 23, 2018. 10 am Pacific. Webinar: [Tribally-Focused Climate Change Adaptation Guidebook: Overview of Pre-Release Version & Review Process](#). The Oregon Climate Change Research Institute, Adaptation International, and other partners are developing a tribally-focused climate change adaptation guidebook. The pre-release version of the guidebook is currently available for review by tribes and organizations working with tribes on climate change adaptation. Existing reviewers and those interested in signing up to review are encouraged to register for one of two webinars that will provide an overview of the pre-release version of the guidebook as well as the review process. There will also be an opportunity to ask questions. Note that this is a DRAFT product and the final version of the guidebook is planned to be released in Summer or Fall of 2018. This project is primarily funded by a grant from the North Pacific Landscape Conservation Cooperative, and received supplemental funding from the Pacific Northwest Climate Impacts Research Consortium, a NOAA RISA team.

January 23, 2018. 11 am Pacific. Webinar: [Adapt Alaska: Collaborative Approaches to Addressing Climate Adaptation Planning](#). Adapt Alaska is a website developed by a collaborative to create a space for discussion between communities, tribes, agencies, and nonprofits to enable communities to successfully adapt to rapidly changing landscape, ocean, and climate conditions across Alaska. This tool will walk communities through the adaptation planning process so they can get started themselves, providing links to data needed for plans, as well as templates used in existing adaptation plans. While website improvement are ongoing additional coastal

resilience workshops are being planned to expand the collaborative, and help collaborative team members learn what additional resources could be useful for communities across Alaska to successfully adapt and build resilience. [Register here.](#)

January 24, 2018. 11 am Pacific. Webinar: [Examining the Role of Human Dimensions Thinking in Landscape Conservation Planning](#). Catherine Doyle-Capitman, Doctoral Candidate at Cornell University, will highlight the role of local stakeholders in bridging the gap between conservation planning and management implementation. She will then present best practice guidance for engaging local stakeholders and integrating social data into landscape conservation decision processes.

January 25, 2018. 11 am Pacific. Webinar: [NCA4 Health Chapter Public Comment Webinar](#). The Global Change Research Program is hosting a public webinar on the Health Chapter and health-related content of the 4th National Climate Assessment (NCA4). The webinar is timed prior to the close of the open comment period for the NCA4 to give commenters an opportunity to ask questions of the health chapter author team and assist health stakeholders in responding to the draft. The webinar will provide background on the NCA, its health content, and will provide guidance on how to access and use the Review & Comment system at review.globalchange.gov. Dial-In: [605-475-5612](tel:605-475-5612); Passcode: [716-993-2656](tel:716-993-2656); Webinar: <https://icf.globalmeet.com/CCHHG>

January 25, 2018. 12 pm Pacific. Webinar: [Climate Change & Health in the Arctic: Impacts on Alaska Native Communities and a Spotlight on Efforts to Improve Climate Health](#). During this webinar, learn more about climate change in the Arctic, how it is affecting the health of indigenous people, and various types of work occurring in this space – including state and local efforts and a spotlight on an NIHB-funded grant for the Village of Wainwright. The presentation will also include resources for climate change and climate health in the Arctic.

January 25, 2018. 11 am Pacific. Webinar: [Information and Funding for First Nation Climate Change Adaptation Planning](#). This webinar provides an opportunity for communities to learn more about Indigenous and Northern Affairs Canada's [First Nation Adapt Program](#) and to gain a better understanding of the future BC-specific climate information available through the Pacific Climate Impacts Consortium. The First Nation Adapt Program provides climate change adaptation funding for communities to identify region-specific priorities, impacts and opportunities for climate change projects. The program also works closely with communities to integrate the best scientific and Indigenous Knowledge on climate indicators, flooding exposure, and future climate projections. [Pacific Climate Impacts Consortium](#) provides climate information to communities to better understand climate change specific to their region, how the region will be impacted, and what they can do to prepare.

January 25, 2018. 10 am Pacific. Webinar: [Fire Management of American Indian Basket Weaving Plants in the Pacific Northwest](#). Bear grass (*Xerophyllum tenax*) and California Hazelnut (*Corylus cornuta* var. *californica*) are two Nontimber Forest Products (NTFPs) harvested by American Indians for basket weaving in the Pacific Northwest. Good quality leaves and stems for basket weaving are reliant on the periodic burning of these plant species. In this webinar we will discuss how fire and other ecological variables affect the growth and quality of these species, the collaborative management of these plants by American Indians and public agencies, and what implications our findings have for the future management of these resources.

January 26, 2018. 3 pm Pacific. Webinar: [Tribally-Focused Climate Change Adaptation Guidebook: Overview of Pre-Release Version & Review Process](#). The Oregon Climate Change Research Institute, Adaptation International, and other partners are developing a tribally-focused climate change adaptation guidebook. The pre-release version of the guidebook is currently available for review by tribes and organizations working with tribes on climate change adaptation. Existing reviewers and those interested in signing up to review are

encouraged to register for one of two webinars that will provide an overview of the pre-release version of the guidebook as well as the review process. There will also be an opportunity to ask questions. Note that this is a DRAFT product and the final version of the guidebook is planned to be released in Summer or Fall of 2018. This project is primarily funded by a grant from the North Pacific Landscape Conservation Cooperative, and received supplemental funding from the Pacific Northwest Climate Impacts Research Consortium, a NOAA RISA team.

January 31, 2018. 10 am Pacific. Webinar: [Cascadia Partner Forum--Furthering Adaptation Coordination and Planning for Species and Ecosystems in the Transboundary Cascadia Landscape](#). Formed by practitioners in Washington and British Columbia's Cascade mountains in the summer of 2012, the Cascadia Partner Forum fosters a network of natural resource practitioners working with the Great Northern and North Pacific Landscape Conservation Cooperatives to build the adaptive capacity of the landscape and species living within it.

February 1, 2018. 11 am Pacific. Air Quality Planning for Wildland Smoke. This webinar series will provide attendees with an understanding of the impacts of wildland smoke on the health of tribal communities and strategies to minimize exposure. This webinar will look at modeling of smoke movement, the role of air resources advisors (ARAs), and the use of portable monitors or sensors to collect data. The webinars will be recorded. The in-person workshop application will be available in mid-December on the [ITEP website](#).

February 6, 2018. Webinar: [Mapping Vulnerability to Support Identification of Conservation Opportunities in the Green River Basin](#). The Green River Basin Landscape Conservation Design (LCD) Workshop 2 was recently held in Vernal, UT, to share vulnerability maps and discuss applications of the maps to support identification of conservation opportunities. This webinar will provide an overview of the topic covered in Vernal, including how to access vulnerability maps created for the LCD through Databasin, the collaborative process and input that drove the development of these maps, and applications of the maps.

February 7, 2018. 12pm-1:30pm Pacific. Webinar: [Tribal Mitigation Plan Review Guide](#). FEMA is releasing the Tribal Mitigation Plan Review Guide (Guide), which will update and supersede the existing tribal multi-hazard mitigation planning guidance issued in 2010. The updated policy document will guide how agency officials (mitigation planners) interpret regulatory requirements in their review and approval of tribal mitigation plans. The Guide will become effective on December 5, 2018. Please join the FEMA Region 10 Mitigation Planning Team and Regional Tribal Affairs for a webinar presentation on the new guide including the basic requirements for standard and enhanced mitigation plans, and updated plan review tool. A Q&A session will follow the presentation.

Feb 12-16, Conference: [Alaska Forum on the Environment](#). Anchorage, AK AFE offers technical sessions on a diversity of environmental issues such as; energy issues, alternative energy sources for rural villages, subsistence hunting, fishing, and gathering on federal lands, biological studies, bioterrorism, effects of climate change, Alaska Native Claims Settlement Act, military environmental restoration, and tribal and federal government-to-government policies.

February 15, 2017. 11 am Pacific. Webinar: [Air Quality Planning for Wildland Smoke](#). This webinar series will provide attendees with an understanding of the impacts of wildland smoke on the health of tribal communities and strategies to minimize exposure. Gathering and disseminating information to our communities before, during, and after a smoke event is critical to ensuring the health and safety of our communities. This webinar will provide tips and strategies for finding information, using social media, and developing outreach products. The webinars are free and will be recorded. The in-person workshop application will be available in mid-December on the [ITEP website](#).

February 21, 2018. 12pm-1:30pm Pacific. Webinar: [Tribal Mitigation Plan Review Guide](#). FEMA is releasing the

Tribal Mitigation Plan Review Guide (Guide), which will update and supersede the existing tribal multi-hazard mitigation planning guidance issued in 2010. The updated policy document will guide how agency officials (mitigation planners) interpret regulatory requirements in their review and approval of tribal mitigation plans. The Guide will become effective on December 5, 2018. Please join the FEMA Region 10 Mitigation Planning Team and Regional Tribal Affairs for a webinar presentation on the new guide including the basic requirements for standard and enhanced mitigation plans, and updated plan review tool. A Q&A session will follow the presentation.

February 27 - March 1, 2018. Reno, NV. [Wildland Urban Interface Conference](#). The conference offers hands-on training and interactive sessions designed to address the challenges of wildland fire and the challenges facing the people responsible for protecting local forests or educating landowners and your community about the importance of land management.

February 27-28, 2018. [2018 Tribal Exchange Network Conference](#), Tucson, Arizona. The mission of the Exchange Network Tribal Governance Group is to support management and communication of tribes' environmental data and advocate for tribal interests in the Exchange Network.

March 1, 2017. 11 am Pacific. Webinar: [Air Quality Planning for Wildland Smoke](#). This webinar series will provide attendees with an understanding of the impacts of wildland smoke on the health of tribal communities and strategies to minimize exposure. In this webinar, Tribal presenters will describe how smoke events impacted their communities, how utilizing monitoring data during a wildfire can help identify health risks, and how tribes can better prepare for wildfire seasons. The webinars will be recorded. The in-person workshop application will be available in mid-December on the [ITEP website](#).

March 15, 2017. 11 am Pacific. Webinar: [Air Quality Planning for Wildland Smoke](#). The in-person workshop application will be available in mid-December on the [ITEP website](#).

March 26-29, 2018. Reno, NV. [National Cohesive Wildland Fire Management Strategy Workshop— Making a Difference; Building Capacity, Improving Preparedness, and Learning From Experience](#). The workshop will focus on building capacity in practitioners, improving preparedness to meet challenges, and to provide opportunities to learn from past experience in order to inspire collaboration and create operational support.

April 11-13, 2018. 6th Annual Workshop Rising Voices: Collaborative Science with Indigenous Knowledge for Climate Solutions. Rising Together: Mobilizing and Learning from Local Actions. Website: <https://risingvoices.ucar.edu/>. We will announce application information in January 2018. The theme of the workshop is "Rising Together: Mobilizing Learning from Local to Global." For more information, please visit the [website](#) or contact: [Heather Lazrus](#), [Julie Maldonado](#), or [Heather Stirratt](#).

April 30 – May 2, 2018. [2018 Local Solutions: Eastern Climate Preparedness Conference](#). Manchester, NH. This conference will cover a range of climate preparedness and resiliency issues such as: sea level rise, urban heat, and both coastal and inland flooding issues.

May 14-18, 2018. [National Tribal Forum on Air Quality](#). <https://www7.nau.edu/itep/main/ntaa/NTF/ntf2018/>
June 24-26, 2018. [3rd Tribal Environmental Health Summit](#). *Sustaining Long Term Partnerships and Projects with Native American Communities.* The Summit will provide participants with the opportunity to: Showcase their latest research on Tribal environmental health science; Renew and solidify personal and professional networks; Increase stakeholders understanding of Tribal environmental health policy needs and goals; Provide an opportunity for students to explore a variety of relevant career paths.

August 28-29, 2018. [3rd California Adaptation Forum](#). Sacramento, CA.

September 12-14, 2018. [Global Climate Action Summit](#). San Francisco, CA.

<https://globalclimateactions summit.org/>

October 9-11, 2018. 9th Annual [Northwest Climate Conference](#). Boise, Idaho. Information about lodging, registration, and program will become available in the coming months.

Quick Links

- [PNW Tribal Climate Change Project](#)
- [PNW Tribal Climate Change Online Funding Guide](#)
- [BIA Tribal Climate Resilience Program](#)
- [BIA Tribal Climate Resilience Resource Guide](#)
- [Institute for Tribal Environmental Professionals \(ITEP\) Tribes and Climate Change Program](#)
- [Local Environmental Observer \(LEO\) Network](#)
- [Columbia River Intertribal Fish Commission](#)
- [Northwest Indian Fisheries Commission](#)
- [Affiliated Tribes of Northwest Indians](#)
- [Alaska Native Tribal Health Consortium LEO Network](#)
- [Northeast Indigenous Climate Resilience Network](#). <http://www.nicrn.org/>
- [University of Washington Climate Impacts Group](#)
- [University of Washington Tribal Climate Technical Support Desk](#)
- [Georgetown Adaptation Clearinghouse](#)
- [U.S. Climate Resilience Toolkit](#)
- [Northwest Climate Science Center](#)
- [North Pacific LCC](#)
- [Great Basin LCC](#)
- [Great Northern LCC](#)
- [USDA Climate Hubs](#)
- [Northwest Climate Hub](#)
- [EPA Climate Change Programs](#)
- [Climate Adaptation Knowledge Exchange](#)
- [USDA Forest Service Climate Change Resource Center](#)
- [Climate Smart Land Network](#)
- [White House Climate Change Archives](#)

Newsletters and Calendars

- [ITEP Newsletter](#)
- [ITEP Tribes and Climate Change Calendar](#)
- [NW Climate Magazine](#)
- [NW CSC Calendar](#)
- [North Pacific LCC Calendar](#)