
Pacific Northwest Tribal Climate Change Network: Conference Call Notes and Email Bulletin – August 21, 2019

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Laura Gephart, Columbia River Intertribal Fish Commission
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Jill Hardiman, USGS
Georgia Hart, Wisdom of the Elders
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Aaron Jones, Tulalip Tribes
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Alyssa Samoy, BIA Tribal Resilience Program
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Trent Seager, Sustainable Northwest
Geneva Thompson, Yurok Tribe
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Meeting Minutes

2019 Tribes and First Nations Climate Summit

The Tribes and First Nations Climate Summit brought together over 200 tribal leaders, staff, and tribal members, agency staff, students and practitioners on July 30-31, 2019 in Spokane, WA to advance tribal climate change programs, strategies, policy and action by discussing current issues related to three key themes: Traditional Knowledge, Tribal Climate Resiliency, and Policy. Over 40 tribes from across the nation and Canada were in attendance. The planning committee is currently working on the proceedings, which includes key recommendations that came out of the summit and how it relates to the Senate Request for feedback on the effects of climate change on Native Communities. All of the speaker information and available PowerPoints can be found at: <http://atnitribes.org/climatechange/ts-info/>. If you click on agenda and presentations, you can look through and download available slides. Many of our speakers did not use PowerPoint slides, but we have provided a one-paragraph summary for each speaker in the draft proceedings. The proceedings will also include the breakout notes from each session.

- If you would like to review the draft Executive Summary, which includes the draft recommendations, please [click here](#), or email kathy@uoregon.edu to request a word version of the document. Please send any feedback, comments or questions on the draft recommendations to kathy@uoregon.edu by August 30, 2019. We will incorporate feedback into the final draft and proceedings document for the Summit and share the full proceedings in early September.

Outcomes and Recommendations from the Summit: We're currently highlighting possible recommendations discussed at the Summit for tribes to consider as a reference when submitting a response to the Senate Request for feedback on the effects of climate change on Native communities. We have created six different categories for recommendations that relate to the senate questions. They include an overarching recommendation, Budget and Finance, Carbon Policy/ Greenhouse Gas Emission Reduction, Renewables/ Energy Sovereignty, Traditional Knowledges, Youth Engagement/ Education, and Adaptation. The recommendations were taken directly from what was discussed at the summit. Feedback on draft proceedings:

- It would help to have the recommendations as soon as possible as we prepare our own letters
- Are these listed by priority? The draft recommendations we have made are not listed by priority. We wanted to coalesce all of the recommendations in one place, however we did elevate the topics that were mentioned multiple times throughout the summit.
- Suggested recommendations for Budget and Finance: Tribes need more funding opportunities that directly fund them. In order to apply for most climate change funding, tribes usually have to partner with universities, agencies, or non-profits. Funding sources also need to allow for long-term planning, and be consistent. If tribes can't be directly funded, the funding opportunity should be flexible enough to allow tribes to be the main authority when determining what the funding will be used for. Landscape Conservation Cooperatives also need continued funding and support. Funding and agency relationships need to be localized. Congress members will likely be more engaged if it is localized to the region or state.
- For tribes that are in a state that do not have any climate change planning, they may be the only formal entities in the state that are planning for climate change. Need extra support from the federal government.
- What is the lead-in sentence to the recommendations? What would be the big picture statement? How can you distill each recommendation category into something that legislators can easily take away?:
 - One suggestion- The recommendations that pertain to government to government interactions around climate change should be met through budget and finance, etc. Many of these recommendations need to occur through the government to government relationship to ensure that the trust responsibility to tribes is being met.
 - Connect the categories to the overarching issue: tribes need sustainable funding; we need to revise our assessments and continue our adaptation efforts.
- Important to stress the urgency that tribes are feeling.
- How can the work done by NW tribes inform other entities in their climate change planning?

Changing Currents [2019 Tribal Water Summit](#)

Joel Moffett from ATNI joined the call to announce the [3rd Changing Currents Water Summit](#). The first summit took place in Eugene in partnership with the University of Oregon Law School. Last year they partnered with University of Washington. This year's summit will be hosted at the University of Idaho. All member tribes and agencies, partners, and non-profits within the Northwest are invited to attend. The goal is to bring experts together to talk about some of the water challenges that tribes are facing. We will focus primarily on the five Idaho tribes and the issues they are facing in protecting their water sources. We will also focus on the ramifications beyond Idaho including issues pertaining to the Columbia River Treaty, biological opinion on the dams in the Columbia River, and water rights adjudication. Joel also announced ATNI's first Mining and Extraction Summit on September 16-17, 2019. The summit will be hosted by the Shoshone Bannock Tribes. The idea for the summit came out of the last 10 or 12 years of the annual ATNI annual conventions, where mining proposals on tribal lands and the projected effects on their resources was brought up multiple times as an issues that multiple tribes are facing. The summit will highlight a proposed phosphate mine that will affect the Shoshone Bannock Tribes. The summit will also focus on other case studies like the Colville Confederated Tribes and the Spokane Tribe, and the threats on their resources and ecosystems. Joel mentioned that ATNI will also be hosting a Liquefied Natural Gas summit that will occur later on in November 2019.

Other Updates

- **Event Announcement:** The [Tribal Transportation Planning Organization](#) (TTPO, WA) Quarterly meeting will be taking place on September 3-4, 2019 at the [Swinomish Casino and Lodge](#). If you are interested in attending either of these events, contact your Tribes Transportation Planning (in WA) or Richard Rolland at rrolland@ewu.edu.
- **Event Announcement:** The University of Washington Law School Annual Indian law Symposium will be from September 5-6, 2019 on campus. For more information and to register, [click here](#).
- **Event Announcement:** The Sixth Annual Comprehensive Conference on Tribal Water in the Pacific Northwest will take place September 19-20, 2019 in Seattle, WA. More information can be found at: <https://www.lawseminars.com/seminars/2019/19TRIBWWA.php>

Announcements

Request for Feedback from American Indian, Alaska Native, and Native Hawaiian Community Leaders on the Effects of Climate Change on Native Communities

On July 10th, U.S. Senators Tom Udall (D-N.M.), vice chair of the Senate Indian Affairs Committee and Brian Schatz (D-Hawaii), chair of the Special Committee on the Climate Crisis, along with Democratic members that sit on the Indian Affairs Committee and/or the Special Committee on the Climate Crisis asked for input from American Indian, Alaska Native, and Native Hawaiian Community Leaders on the effects of climate change on their communities, seeking to foster a dialogue with Native communities on potential solutions and responses to this urgent threat. Thoughts and comments are due by **September 13, 2019**. To submit a comment, send an email to Community_Leaders_Feedback@indian.senate.gov. To view the full announcement, [click here](#). Below are some questions to consider when responding:

1. What policies, regulations, and programs have proven particularly useful in assisting your communities in mitigating and responding to climate change impacts?
2. Are there policies or strategies that your communities are using to address climate change that could scale for implementation at the federal level, including traditional knowledge?
3. What actions or policies could federal agencies take within existing authorities to improve climate change mitigation and resilience in your communities?
4. What new policies would you recommend Congress consider to improve climate change resilience in your communities, reduce emissions of heat-trapping pollution, increase the development and availability of renewable resources, or capture or off-set emissions of heat-trapping pollution?

Changing Currents 2019 Tribal Water Summit. The Affiliated Tribes of Northwest Indians will be hosting the [2019 Tribal Water Summit](#) **September 5-6, 2019** at the University of Idaho, College of Law in Moscow, ID. The goals of the 2019 Tribal Water Summit are to bring together a diverse group of leaders, scientists, policy analysts, and community citizens to exchange knowledge about water challenges experienced in the Pacific Northwest, and to hold discussions about potential solutions in the 21st Century. ATNI has reserved a block of rooms for this event at: Best Western Plus University Inn, 1516 Pullman Rd, Moscow, ID, 208-882-0550. To register for the event, [click here](#). To view the draft agenda, [click here](#).

ATNI Natural Resources Mining & Extraction Summit 2019. Fort Hall, ID. September 16-17, 2019. Please join ATNI at the Mining & Extraction Summit 2019 hosted by the Shoshone-Bannock Tribes. This summit will focus on past, current and proposed mining and extractive operations and how Tribes are addressing the adverse impacts to their homelands. Draft agenda coming soon. To register for the summit, [click here](#).

EPA State and Tribal Listening Sessions for the Proposed “Updating Regulations on Water Quality Certification” Rule. On August 8, 2019, the EPA signed a [proposed rule](#) to implement Clean Water Act section 401. The EPA will hold two series of state and tribal listening sessions on the proposed rule. The listening sessions will provide state and tribal representatives the opportunity to present data, views, or information concerning the proposed

rule. The listening sessions are for in-person attendance only, and no remote participation options will be offered for these meetings. The first series of listening sessions will take place at the Salt Lake City Public Library, 210 E 400 S, Salt Lake City, Utah, 84111. The first tribal listening session will be held on the afternoon of Wednesday, **September 4, 2019**. The second series of listening sessions will take place at the United States Environmental Protection Agency Region 5 offices at 77 West Jackson Boulevard, Chicago, Illinois 60604. The second tribal listening session will be held on the afternoon of Monday, **September 16, 2019**. If you are interested in attending the state or tribal listening sessions in Salt Lake City, Utah or Chicago, Illinois, please send an e-mail to cwa401@epa.gov for more information on registration and other logistical information. [Click here to view the August 2019 Letter](#) and invitation to provide input sent to Tribal Leaders.

USDA Seeks Suggestions for FY 2020 Plant Protection Act Section 7721 Projects. The U.S. Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) is inviting project suggestions for fiscal year (FY) 2020 Plant Protection Act Section 7721 funding to implement the Plant Pest and Disease Management and Disaster Prevention Program. The open period for submitting suggestions will last six weeks, from **July 15 through August 23, 2019**. There will be \$75 million available with at least \$5 million going to the National Clean Plant Network (NCPN). Visit www.aphis.usda.gov/ppa-projects to get resources and guidance for potential cooperators, including the FY 2020 Implementation Plan, templates, help session webinar schedule, frequently asked questions, and more. For more information, [click here](#).

Sign up for the new USDA Office of Tribal Relations' newsletter. The office of tribal relations announced that they are migrating to a new distribution system for their newsletter. If you would like to continue to receive this newsletter, [click here](#). OTR also has a new email address: Tribal.Relations@usda.gov

Karuk Tribe's Climate Adaptation Plan. The Karuk Tribe has announced the release of the [Karuk Tribe's Climate Adaptation Plan](#). The plan relies on Traditional Ecological Knowledge and the best available science and has a central focus on the restoration in Indigenous use of fire, and your important work was cited in the plan. As part of their work, they have created a two minute video [Fire Belongs Here](#). The Karuk Tribe's Aboriginal Territory includes 1.38 million acres in Northern California. For most of the last 150 years, traditional Karuk burning practices have been criminalized. Today this area is suffering from an increased frequency of high severity wildfires due to decades of non-Indigenous land management, fire suppression, and now the changing climate. The Karuk Climate Adaptation Plan outlines a means to re-establish historic fire regimes on the landscape through prescribed burns at appropriate times of year. More information about our climate work can be accessed here: <https://karuktribeclimatechangeprojects.com/>.

Funding Opportunities

Coping with Drought Funding Opportunity. Letters of Intent due August 23, 2019. NIDIS is seeking proposals through the Coping With Drought grant program to improve our understanding and use of: (1) drought indicators, thresholds, and triggers, and (2) drought impact reporting to inform more deliberate and expanded decision-making to prepare for and respond to drought. **To register for the informational webinar on August 6, [click here](#)**. For more information and to apply, [click here](#). To view the program information sheet, [click here](#).

Emergency Coastal Resilience Fund. Full Proposal Due Date: November 12, 2019. The National Fish and Wildlife Foundation (NFWF), in coordination with the National Oceanic and Atmospheric Administration (NOAA) as per the Supplemental Appropriations Act of 2019 (P.L. 116-20), is announcing the Emergency Coastal Resilience Fund to support projects that increase the resilience of coastal communities impacted by hurricanes Florence and Michael, Typhoon Yutu, and wildfires in 2018. The Emergency Coastal Resilience Fund will support projects that strengthen natural systems at a scale that will increase protection for communities and critical assets against the future impacts of storms, floods, and other natural hazards. NFWF will be holding two tribal listening sessions in September. The first webinar is on **September 4, 2019 from 10 am-11 am Pacific** and will focus on Coastal Communities impacted by hurricanes Florence and Michael, and the 2018 Wildfires. To register, [click here](#). The second webinar is on **September 10 from 3:30 pm- 4:30 pm Pacific** and will focus on Coastal communities impacted by Typhoon Yutu. To register, [click here](#).

Native America Agriculture Fund 2019 RFA. Applications are due September 30, 2019. NAAF's mission, as a private charitable trust created for educational and charitable purposes, is to support Native American farmers and ranchers and promote their continued engagement in agriculture. NAAF was created after conclusion of the lengthy *Keepseagle v. Vilsack* litigation and was designed for the purpose of addressing four areas important to the success of Native farmers and ranchers: business assistance, agricultural education, technical support and advocacy. NAAF is allowed to fund four (4) types of eligible entities: 501(c)(3) organizations, educational organizations, CDFIs or Native CDFIs, and Tribal governments (state or federally-recognized) or instrumentalities of those governments. To view the RFA and apply, [click here](#).

Climate Program Office 2020. Applications are due October 28, 2019. Climate variability and change present society with significant economic, health, safety, and security challenges and opportunities. In meeting these challenges, and as part of NOAA's climate portfolio within the Office of Oceanic and Atmospheric Research (OAR), the Climate Program Office (CPO) advances scientific understanding, monitoring, and prediction of climate and its impacts, to enable effective decisions through investments at NOAA labs, service lines and Cooperative Institutes, as well as non-governmental organizations, the private sector and the university community. These investments are key to NOAA's mission of "Science, Service, and Stewardship" and are guided by the agency's vision to create and sustain enhanced resilience in ecosystems, communities, and economies. To view the funding opportunity, [click here](#).

Collaborative Forest Restoration Program. Pre-proposals due August 16, 2019. Full proposals due by November 22, 2019. Created in 2009 by Congress, CFLRP has proven to be an effective tool for improving forest conditions, growing rural economies, and leveraging partner investments to improve the quality and scale of restorative work. The CFLRP invested in collaborative approaches to forest restoration in landscapes across the country. There is an upcoming webinar on July 19, 2019 from 9:30 am- 11 am Pacific for interested applicants to learn more about the funding opportunity. To join the webinar, [click here](#). For more information and to apply, [click here](#).

WaterSMART Drought Response Program: Drought Resiliency Projects for FY 2020 and 2021. FY 2020 Applications are due October 16, 2019. FY 2021 Applications are due October 14, 2020. The objective of this FOA is to invite states, tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with Reclamation on Drought Resiliency Projects that will increase the reliability of water supplies; improve water management; and provide benefits for fish, wildlife, and the environment to mitigate impacts caused by drought. For more information and to apply, [click here](#).

Forest Service – Landscape Scale Restoration RFA 2020. Applications are due October 11, 2019. The purpose of this competitive grant program is to encourage collaborative, science-based restoration of priority forest landscapes and further priorities identified in the State’s Forest Action Plans. To view the RFA, [click here](#).

Agriculture and Food Research Initiative – Sustainable Agricultural Systems. Applications are due September 26, 2019. RFAs must focus on approaches that promote transformational changes in the U.S. food and agriculture system within the next 25 years. NIFA seeks creative and visionary applications that take a systems approach, and that will significantly improve the supply of abundant, affordable, safe, nutritious, and accessible food, while providing sustainable opportunities for expansion of the bio-economy through novel animal, crop, and forest products and supporting technologies. These approaches must demonstrate current and future social, behavioral, economic, health, and environmental impacts. Additionally, the outcomes of the work being proposed must result in societal benefits, including promotion of rural prosperity and enhancement of quality of life for those involved in food and agricultural value chains from production to utilization and consumption. To view the funding opportunity, [click here](#).

Request for Applications: The Community Forest and Open Space Conservation Program. Applications are due February 6, 2020. The U.S. Department of Agriculture (USDA), Forest Service, State and Private Forestry, Cooperative Forestry staff, requests applications for the Community Forest and Open Space Conservation Program (Community Forest Program or CFP). This is a competitive grant program whereby local governments, qualified nonprofit organizations, and Indian tribes are eligible to apply for grants to establish community forests through fee simple acquisition of private forest land from a willing seller. The purpose of the program is to establish community forests by protecting forest land from conversion to non-forest uses and provide community benefits such as sustainable forest management, environmental benefits including clean air, water, and wildlife habitat; benefits from forest-based educational programs; benefits from serving as models of effective forest stewardship; and recreational benefits secured with public access. To view the funding opportunity, [click here](#).

Calls for Proposals and Participation

CFMC/Yurok Cultural Burn Training Exchange - Weitchpec, CA. September 29 - October 5, 2019. Provide prescribed fire training opportunities to local and regional fire practitioners while supporting management of cultural resources. This training will incorporate knowledge from the native tribes of Northern California and develop understanding about their traditional and contemporary use of prescribed fire. Target Group: Prescribed fire and wildfire personnel, including federal, state, tribal, and non-governmental agencies, private practitioners and university faculty and students. Registration Fee: The fee is \$300. The fee for university students is \$100. Waivers are available for participants who bring equipment (e.g. engines, UTVs, etc.) Please note that the registration fee is not pro-rated based on the amount of time at TREX. To apply, request and complete the registration form from Margo Robbins (margo@culturalfire.org) by **September 10, 2019**.

Request for Participation in Survey of Marine and Coastal Climate Action. [EcoAdapt](#) is assessing the state of climate adaptation planning and implementation for climate-related threats to marine and coastal systems and communities in the United States and its territories and commonwealths. This initiative is an update and expansion of our 2009-2011 survey of [marine and coastal adaptation in North America](#). This survey was created to better understand the needs of marine and coastal professionals working in the United States to help prepare for the effects of climate change. Your answers will provide valuable insight on the state of marine and coastal climate adaptation action in the United States. The survey will take approximately 15-20 minutes to complete. More information on the project can be found at [EcoAdapt.org](#) or by contacting Rachel@EcoAdapt.org. To take the survey, [click here](#).

Virginia Tech and EcoAdapt Community Recruitment Survey. Applications are due by August 30, 2019. As part of a National Science Foundation-funded study, Virginia Tech and EcoAdapt are excited to offer support for up to eight communities to undertake a stakeholder-driven climate change vulnerability assessment and adaptation planning workshop (1-2 days). For more information and to complete the survey, [click here](#).

Second Call for Local Indicators of Climate Change Impacts (LICCI) Project. Applications are due September 8, 2019. The LICCI (Local Indicators of Climate Change Impacts) project is a European Research Council (ERC) funded project aiming to improve our understandings of how climate change affects physical, biological, and socioeconomic systems. The project will document and analyze local indicators through the lens of local knowledge and perceived impacts of climate change across climate types in various indigenous communities using a mix-method. To achieve this goal, we are inviting applications from Ph.D. students, early career scholars, and practitioners who share similar interests. For more information and to apply, [click here](#).

Media, Publications and Online Resources

Democratic National Committee Native American Caucus statement on climate change. [DNC Native Caucus](#). August 22, 2019. Caucus leadership will vote to support a separate, stand-alone debate of the Presidential candidates regarding climate change. <https://newsmaven.io/indiancountrytoday/opinion/democratic-national-committee-native-american-caucus-statement-on-climate-change-Vq2Ow7p2DEaFY6V7HGmITA/>

Tribal Leaders Hear International Climate Change News at Spokane Conference. By Doug Nadvornick. July 31, 2019. <https://www.spokanepublicradio.org/post/tribal-leaders-hear-international-climate-change-news-spokane-conference>

Northwest Tribes Convene Climate Summit in Spokane. By Doug Nadvornick. July 30, 2019. <https://www.spokanepublicradio.org/post/northwest-tribes-convene-climate-summit-spokane>

[40 Native American tribes attend Spokane climate change summit.](#) By Shaybana Waltower. July 30, 2019.

Back to Back Low Snow Years Will Become More Common, U of I-Led Study Projects. August 8, 2019. Consecutive low snow years may become six times more common across the Western United States over the latter half of this century, according to a study led by the University of Idaho, leading to ecological and economic challenges such as expanded fire seasons and poor snow conditions at ski resorts. <https://www.uidaho.edu/news/news-articles/news-releases/2019-august/080819-consecutivelowsnow>

Building Cultures of Preparedness; Report for the Emergency Management Higher Education Community. This report highlights the vast diversity of American communities and households, indicating that a one-size-fits-all strategy is not well-suited to the specific demands of variable and distinctive environments – our Culture of Preparedness will have to be built one community at a time. Preparedness is a local matter, requiring solutions tailored to different cultural contexts and embraced by communities. Supporting the vision of a resilient nation in the Strategic Plan requires us to think in the plural, in terms of building “Culture(s) of Preparedness.” https://training.fema.gov/hiedu/docs/latest/2019_cultures_of_preparedness_report_10.22.18%20final.pdf

Tribal Youth Could be the Future of the Forest Service. August 9, 2019. By Estelle J. Bowman. Most tribal youth grow up among elders and community members who teach them directly and or indirectly traditional ecological knowledge that supports land management. Those practices of their ancestors are a great resource even today. It was a natural connection when Under Secretary James W. Hubbard, USDA Natural Resources and Environment, talked with 15 National Future Farmers of America (FFA) tribal youth about land stewardship. <https://www.fs.fed.us/spf/tribalrelations/news/blog.shtml#story044>

Combining western science, Indigenous knowledge offers new approach to help forests adapt to new conditions. August 15, 2019. When Jaime Yazzie began planning her research for her forestry thesis, her adviser asked her what species of trees she wanted to save. They would use a computer simulation to measure the effects of a warming, drying environment, and she needed to select which trees to preserve.

https://news.nau.edu/yazzie-climate-change/?utm_medium=email&utm_source=8-16-19%20edition&utm_campaign=NAUNews&utm_term=internal&utm_content=Yazzie_pub_L#.XV110-NKiUm

Job Opportunities, Youth Internships and Fellowships

North Central Climate Adaptation Science Center Tribal Climate Leaders Program. Multiple deadlines in December 2019. The North Central Climate Adaptation Science Center is seeking applications from students affiliated with the 31 federally recognized tribes in the North Central region (North Dakota, South Dakota, Nebraska, Kansas, Montana, Wyoming, or Colorado) who are interested in completing a Master's degree at the University of Colorado Boulder on a topic related to climate adaptation science. Full funding is available for a two-year Master's program for up to 5 eligible students between fall 2020 and 2022. For more information and to apply, [click here](#).

Karuk Tribe Outreach and Sustainability Planning Coordinator. Open until filled. Under the supervision of the Deputy Director of Eco-Cultural Revitalization (or designee), the Outreach and Sustainability Planning Coordinator shall assist in outreach regarding Department of Natural Resources and related partnership activities in accordance with grant deliverables. For more information and to apply, [click here](#).

Post-Doctoral Research Position- Assessing climate change knowledge co-production and boundary spanning in Alaska. Open until filled. Climate change is occurring more rapidly in the Arctic than any region on Earth. Its impacts are being felt by Indigenous peoples as well as throughout a range of societal sectors, including wildfire management. Recent scholarship suggests that boundary spanning, translational ecology, and the process of knowledge co-production are effective in bridging the gap between science and decision-making and calls for building capacity by developing processes for effective evaluation and for training boundary spanning professionals. We seek a post-doctoral research fellow to explore one or more of these inter-related research areas of knowledge co-production and boundary spanning assessment related to climate change in Alaska. For more information and to apply, [click here](#).

Luce Indigenous Knowledge Fellowship Opportunity. Applications are due September 13, 2019. First Nations Development Institute (First Nations), in partnership with The Henry Luce Foundation (Luce), is proud to launch the Luce Indigenous Knowledge Fellowship. Through this new fellowship program, we will award 10 fellowships of \$50,000 each to outstanding Native Americans engaged in meaningful work that benefits Indigenous people and communities in either reservation and/or urban settings. This fellowship is intended to support Native knowledge holders and knowledge makers that embody exceptional creativity, progressive and critical thinking, and the potential to significantly move forward their field in ways that will ultimately lead to broad, transformative impacts for Indigenous communities. For more information and to apply, visit:

<https://www.firstnations.org/rfps/likf-1/>

Upcoming Events

August 22, 2019. 11 am Pacific. Summer Rewind Series Part 3: "Building Climate Resilience by Connecting to Health". This webinar will revisit the 2018 discussion provided by speakers from the Centers for Disease Control and Prevention's (CDC) Climate-Ready States & Cities Initiative. Hear a "one year" update from Nissa Tupper from the Minnesota Department of Health Climate & Health Program and have a chance for Q & A with Aaron

Ferguson, MPA, with the Michigan Department of Health and Human Services Climate & Health Adaptation Program. For more information and to register, [click here](#).

August 26, 2019. 11 am- 12 pm Pacific. Webinar: Pacific Northwest Drought Early Warning System, Drought and Climate Outlook. The Pacific Northwest Drought Early Warning System (PNW DEWS) Drought & Climate Outlook Webinar is part of a series of regular drought and climate outlook webinars designed to provide stakeholders and other interested parties in the region with timely information on current drought status and impacts, as well as a preview of current and developing climatic events (i.e. El Niño and La Niña). To register, [click here](#).

August 27-29, 2019. United South and Eastern tribes Climate Resilience Summit. Verona, NY. Tribal experts and partners will come together to share knowledge and best practices in building climate change resilience within our South and Eastern Tribal Nations. Presenters and facilitators will include Tribal Nations with climate adaptation plans, local practitioners in resilience building, and partners from the Northeast and Southeast Climate Adaptation Science Centers. For more information and to register, go to: <https://www.cvent.com/c/express/619641b0-21a4-4b7a-a45b-5dae64e02262>

August 28, 2019. 7 am- 10 am Pacific. Advanced Webinar: SAR for Landcover Applications. This webinar series will build on the knowledge and skills previously developed in ARSET SAR trainings. Presentations and demonstrations will focus on agriculture and flood applications. Participants will learn to characterize floods with Google Earth Engine. Participants will also learn to analyze synthetic aperture radar (SAR) for agricultural applications, including retrieving soil moisture and identifying crop types. To register for the webinar, [click here](#).

August 28, 2019. 10 am- 12 pm Pacific. 2019 Tribal Energy Webinar Series: Unique Aspects of Energy Development on Tribal Lands: Land Leases, Service Line, and Right-of. This webinar will explore some of the nuances of these agreements with the goal of giving attendees greater understanding of not only their importance in the development process but how they work—including how right-of-way agreements can serve as valuable tools for tribes looking to leverage their land ownership for regional influence and/or financial benefit. To register for the webinar, [click here](#).

September 3, 2019. 9 am- 10 am Pacific. Webinar: Actions to Reduce Risk in a Changing Climate: Findings from the Fourth National Climate Assessment. This webinar is hosted by the U.S. Global Change Research Program, NOAA, and the EPA. It is a part a weekly 11-part webinar series focused on the findings of the Fourth National Climate Assessment. This is the final webinar in in the 11-part webinar series. For more information, [click here](#).

September 3, 2019. 9 am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Intro to Changing Exposures & Impacts, Temperature Extremes. This is the third webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

September 3-4, 2019. Tribal Transportation Planning Organization Quarterly Meeting. La Conner, WA. The purpose of the organization is to support the development of tribal transportation planning capacity. As envisioned, the [TTPO](#) improves Tribal government's planning and programming activity through enhanced coordination with tribal, federal, state, and local governments. There are aspects of tribal transportation planning that are very unique in nature, both in comparison to other jurisdictions and also from one Tribe to

another. There is a common theme, partnership, and connection throughout the tribal transportation planning culture that the TTPO shares and celebrates. The next quarterly TTPO meeting will be hosted by the [Swinomish Indian Tribal](#) Community at the Swinomish Casino and Lodge. A draft agenda will be available soon. [Click here to view the TTPO's website.](#)

September 4, 2019. 7 am- 9 am Pacific. Advanced Webinar: SAR for Landcover Applications. This webinar series will build on the knowledge and skills previously developed in ARSET SAR trainings. Presentations and demonstrations will focus on agriculture and flood applications. Participants will learn to characterize floods with Google Earth Engine. Participants will also learn to analyze synthetic aperture radar (SAR) for agricultural applications, including retrieving soil moisture and identifying crop types. To register for the webinar, [click here.](#)

September 4, 2019. 10 am- 11 pm Pacific. Emergency Coastal Resilience Fund Applicant Webinar. The Emergency Coastal Resilience Fund aims to increase the resilience of coastal communities within federally declared counties impacted by hurricanes Florence and Michael, Typhoon Yutu and wildfires in 2018. Learn about the funding opportunity and how to submit a competitive grant proposal. To register for the webinar, [click here.](#)

September 4-6, 2019. Washington D.C. Arctic Futures 2050. The Arctic Futures 2050 Conference will be an international conference designed to enhance collaboration between Arctic scientists from many disciplines, diverse Indigenous knowledge holders, and policy makers from all levels of government. To register click [here.](#) For more information visit <https://www.searcharcticsscience.org/arctic-2050/conference-2019>

September 5-6, 2019. University of Washington School of Law 32nd Annual Indian Law Symposium. Seattle, WA. Join us for the 32nd Annual University of Washington School of Law Indian Law Symposium! As in past years, the conference includes comprehensive litigation and legislation updates and a number of topics of interest to a broad array of practitioners and policy makers. For more information and to register, [click here.](#)

September 5-6, 2019. Changing Currents 2019 Tribal Water Summit. Moscow, ID. The Affiliated Tribes of Northwest Indians (ATNI) and the University of Idaho, College of Law invite to a two-day Tribal Water Summit. The Tribal Water Summit will bring together Tribal Nations from the Pacific Northwest to develop priorities and goals for protecting the future of our waters. Tribal leaders, scientists, policy analysts, legal experts, Federal and State agencies, and non-profit organizations will exchange knowledge about the water challenges facing our communities. ATNI has reserved a block of rooms for this event at Best Western Plus University Inn. To register for the event, [click here.](#) View the [draft agenda here.](#)

September 6, 2019. 12 pm Pacific. Webinar: Did Southeast Alaska drought conditions improve or worsen during the summer of 2019 and what will autumn/ winter bring? This talk will look at how the summer of 2019 turned out from a climate and drought perspective across the temperate rainforest of Southeast Alaska and look into if the region will see a wet autumn and snowy winter. We will also go over what type of impacts were recorded throughout the summer along with a progress report on follow-up work from the Southeast Alaska Drought workshop held this past spring. For more information and to register, [click here.](#)

September 9-12, 2019. Tribal Resilience & Climate Change Symposium. Lake Tahoe, CA. The Washoe Tribe of Nevada and California invites to the Tribal Resilience & Climate Change Symposium. Topics to be explored from a Tribal Perspective: Climate Change Outreach & Education, Resilience Planning, Resource Conservation, TEK Adaptation Strategies, Strengthening Food Systems and Human Health. Contact Susane.Jamerson@Washoetribe.us or (775) 265-8680 for more information.

September 10, 2019. 3:30 pm- 4:30 pm Pacific. Emergency Coastal Resilience Fund Applicant Webinar. The Emergency Coastal Resilience Fund aims to increase the resilience of coastal communities within federally declared counties impacted by hurricanes Florence and Michael, Typhoon Yutu and wildfires in 2018. Learn about the funding opportunity and how to submit a competitive grant proposal. To register for the webinar, [click here](#).

September 12, 2019. 12 pm Pacific. Save the Date: Agricultural Marketing Service Tribal Listening Session. Call-in information and agenda coming soon.

September 16-17, 2019. ATNI Natural Resources Mining & Extraction Summit 2019. Fort Hall, ID. Please join ATNI at the Mining & Extraction Summit 2019 hosted by the Shoshone-Bannock Tribes. This summit will focus on past, current and proposed mining and extractive operations and how Tribes are addressing the adverse impacts to their homelands. Draft agenda coming soon. To register for the summit, [click here](#).

September 17, 2019. 9 am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Wildfire, Drought. This is the fourth webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

September 17, 2019. 10 am- 11 am. Intermediate Webinar: Remote Sensing for Freshwater Habitats. This webinar series will guide participants through using NASA Earth observations for habitat monitoring, specifically for freshwater fish and other species. The training will also provide a conceptual overview, as well as the tools and techniques for applying landscape environmental variables to genetic and habitat diversity in species. For more information and to register, [click here](#).

September 19-20, 2019. Sixth Annual Comprehensive Conference on Tribal Water in the Pacific Northwest. Seattle, WA. Attorneys, Tribal, local, state and federal governmental representatives, environmental professionals, business executives, water users and their representatives are invited to attend. The conference covers a host of new developments affecting Tribal water supplies and quality. We'll start with an update on what the science is telling us about the impact of Climate Change on the amount of precipitation we can expect in our region and, also significantly, how timing differences will affect water supplies and flood risks. For more information and to register, [click here](#).

September 23-24, 2019. Save the Date: National Tribal Broadband Summit. Washington, D.C. This summit will connect tribal leaders with private sector and federal decision makers to explore ways to expand broadband capacity in American and Alaska Native communities, schools, and libraries. As part of the larger effort to close the digital divide in Indian Country, the National Tribal Broadband Summit will connect community leaders with information and resources to identify opportunities for public and private sector solutions to close the connectivity gap in schools and libraries on tribal lands. For more information, [click here](#).

September 23-25, 2019. 2019 Southeast Environmental Conference. Craig Alaska. Central Council of Tlingit and Haida Indian Tribes of Alaska (Tlingit & Haida) in partnership with the Craig Tribal Association will co-host this year's annual Southeast Environmental Conference, September 23rd- 27th, 2019 at the Craig Tribal Hall in Craig, Alaska. To reserve a room at the Shaan Seet (Sunnahae) Hotel call 907.826.2587 or Ruth Ann's Hotel call 888.943.4746, and use the special discount code: CTASEEC19 for both lodgings for the Southeast Environmental

Conference. For any/all other lodging accommodations options please inform them you are with the Southeast Environmental Conference in September with Shannon Isaacs. Attendees of the Southeast Environmental Conference, contact Lindsey Pierce (lpierce@ccthita-nsn.gov) or Shannon Isaacs (environplanner@craigtribe.org) to request and submit the registration form.

September 24-26, 2019. 2019 National Tribal Energy Summit (NTES) Tribal Energy: Powering Self-determination. Washington D.C. The U.S. Department of Energy (DOE) Office of Indian Energy, in coordination with the National Conference of State Legislatures, will host the 2019 NTES, Tribal Energy: Powering Self-Determination, at the Westin Washington City Center in Washington, D.C. Educate yourselves and others, expand your circles, and meet with high-level Administration officials and Members of Congress. Tribal leaders— together with the Administration, representatives from federal agencies, state governments, private industry, utilities, and academia—will build networks, exchange ideas, and explore cross-cutting and cost-effective solutions to national energy interests. **Registration is required by August 30, 2019.** [Click here to register, view the agenda, and find lodging and travel information for the summit.](#)

September 26-27, 2019. 8th Annual Tribal Water Law Conference. Scottsdale, AZ. This program brings together the preeminent experts in the field. You will hear from Tribes, local and federal government representatives, attorneys, consultants and other skilled professionals in this jam-packed, two-day program at the Hilton Resort & Villas in Scottsdale. For more information and to register, [click here](#).

September 27, 2019. 1 pm Pacific. September 2019 National Weather Service Alaska Climate Outlook Briefing. The tools and techniques for making monthly and season scale climate forecasts are rapidly changing, with the potential to provide useful forecasts at the month and longer range. We will review recent climate conditions around Alaska, review some forecast tools and finish up the Climate Prediction Center's forecast for October 2019 and the early winter season. [Click here to register.](#)

October 1, 2019. 9am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Melting Ice & Sea Level Rise, Storms & Flooding. This is the fifth webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

October 8, 2019. SAVE THE DATE: Pacific Northwest Drought Early Warning System Annual Meeting. Portland, OR. This meeting will bring together partners in the Pacific Northwest Drought Early Warning System network to discuss current work and priorities with the end goal of determining shared priorities and synergistic projects and activities that the network partners can support and leverage. The ultimate outcome will be an update to the strategic plan for this region to strengthen drought early warning, planning, preparedness, response, and mitigation. The meeting will be held in conjunction with Northwest Climate Conference.

October 8-9, 2019. Restoring the West Conference 2019; Managing Water by Land. Logan, UT. This conference will bring together water and land managers and scientists to share guidance, success stories, and research results to ensure that clean water availability is sustained in the Intermountain West. The conference will include two days of plenary sessions and an evening social including a poster session. This conference is organized and sponsored by Utah State University Extension Forestry and USU's Departments of Wildland Resources and Watershed Sciences in the Quinney College of Natural Resources, the Ecology Center, and the Western Aspen Alliance. For more information, [click here](#).

October 8-10, 2019. 10th Annual Northwest Climate Conference. Portland, OR. The Northwest Climate Conference provides a unique opportunity to learn from and connect with a diverse community of experts fostering a more climate resilient Northwest. The event brings together practitioners, scientists, tribal communities, and decision-makers to share knowledge, ideas, and best practices related to climate change science, impacts, and adaptation in the Pacific Northwest. Topics include drought, wildfire, extreme events, coastal flooding, human and ecosystem health, and resiliency planning. The conference is being held at the Sentinel Hotel. For more information and to register, [click here](#).

October 15, 2019. 9am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Vulnerability Assessments Part 1. This is the sixth webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

October 21-24, 2019. Third Annual National Cohesive Wildland Fire Management Strategy Workshop. Plymouth, MA. To maintain and strengthen meaningful progress towards this vision, the 3rd Annual National Cohesive Strategy Workshop will provide a forum unlike others for collaborative interaction. It will provide an innovative, shared-learning environment for exploration, discussion, understanding, brainstorming, connection and collaboration around the issues we must face to improve outcomes related to wildland fire. For more information and to register, [click here](#).

October 23-26, 2019. 2019 National Wilderness Stewardship Alliance Workshop (NWSA). Bend, OR. NWSA hosts annual workshops in partnership with other wilderness stewardship organizations and land management agencies. The conferences/workshops provide a great way for stewardship groups around the country to connect with each other and with key wilderness specialists in the federal land management agencies. The workshops are designed to have informative speakers and interactive sessions and to bring together the Wilderness Stewardship Community. Look for registration to begin in June 2019. For more information on the workshop, click [here](#).

October 24-25, 2019. Save the Date: The Climate Heritage Network Global Launch. Edinburgh, Scotland. The Climate Heritage Network Global Launch is a two-day program (Thursday 24th to Friday 25th October 2019) devoted to urgently mobilizing the cultural heritage sector for climate action across the globe. The program will serve as a key catalyst for accelerating the ambition of culture and heritage actors to help the communities they work in to deliver on ambitions of the Paris Agreement. A key outcome of the program will be the launch of the new Climate Heritage Network, a voluntary, mutual support network of local and city, state/provincial and regional, indigenous and tribal, and national arts, culture and heritage offices and agencies (working together with related NGOs, universities and other organizations) committed to aiding their jurisdictions in tackling climate change and achieving the ambitions of the Paris Agreement. To learn more about the Climate Heritage Network, [click here](#).

November 3-7, 2019. SETAC North America 40th Annual Meeting. Toronto, Canada. The meeting will emphasize the need for environmental scientists and managers from all sectors to work together at a global scale to address shared environmental challenges. For more information, go to: <https://toronto.setac.org/scope-of-the-meeting/>

November 5, 2019. 9am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Vulnerability Assessments Part 2. This is the seventh webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala

Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

November 18-22, 2019. 2019 Office of Indian Energy Program Review. Lakewood, CO. Mark your calendar for the 2019 Office of Indian Energy Program Review November 18–22, 2019, in Denver, Colorado. This annual event is a tremendous opportunity for Indian tribes to meet, learn from other Indian tribes that are pursuing energy self-sufficiency, and share in each other's successes. The event will take place at the Sheraton Denver West Hotel in Lakewood, CO. Registration, agenda, and details to come. To view past program review meetings, go to <https://www.energy.gov/indianenergy/projects/program-review>

November 19, 2019. 9am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Adaptation Plans Part 1. This is the eighth webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

November 19, 2019. 10am- 3pm. Cascades to Coast Landscape Collaborative Stakeholder Gathering. The Cascades to Coast Landscape Collaborative, formerly known as the Pacific NW Coast Landscape Conservation Design project, recently hosted a [webinar](#) to provide everyone in the region with an update on our progress to date and key next steps. The Stakeholder meeting will celebrate progress and define key next steps. The meeting will take place in the Celilo Room of the Columbia River Inter-Tribal Fish Commission, 700 NW Multnomah St, Portland, OR. To RSVP, [click here](#).

December 3, 2019. 9am- 10am Pacific. Tribal Climate & Health Adaptation Webinar Series: Adaptation Plans Part 2. This is the ninth webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

December 17, 2019. 9am- 10 am Pacific. Tribal Climate & Health Adaptation Webinar Series: Implementation/Evaluation, Closing. This is the final webinar in the Tribal Climate & Health Adaptation Webinar Series. This training originates from the Tribal Climate Health Project, a grant funded project being administered by the Pala Band of Mission Indians and the Pala Environmental Department to help tribal communities build capacity to address the health impacts of climate change. The training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. To register, [click here](#).

March 18-20, 2020. 5th Central Oregon Fire Science Symposium. Bend, OR. This year's symposium will be held at Central Oregon Community College in Bend, OR. Hotel, registration, and details to come. For updates, go to <http://www.nwfirescience.org/>

April 19-22, 2020. Salish Sea Ecosystem Conference. Vancouver, BC. The purpose of the conference is to assemble scientists, First Nations and tribal government representatives, resource managers, community and business leaders, policy makers, educators, and students to present the latest scientific research on the state of the ecosystem, and to guide future actions for protecting and restoring the Salish Sea ecosystem. For more information, go to <https://wp.wvu.edu/salishseaconference/>