
Pacific Northwest Tribal Climate Change Network: Email Bulletin and Conference Call Notes – July 18, 2018

Participants:

Leanna Begay, Institute for Tribal Environmental Professionals

Marnie Boardman, WA Department of Health

Karla Brollier, Climate Reality Project

Haley Case-Scott, University of Oregon

Tom Downey, Siletz Tribe

Rob Jacob, Elk Valley Rancheria

Shilpa Joshi, Renew Oregon

Rickson Kanichy, Makah Tribe

Tylo Kennedy, KCA, Klawock, Alaska

Kathy Lynn, University of Oregon

Alexis Malcomb, Upper Snake River Tribes Foundation

Amelia Marchand, Confederated Colville Tribes

Paul McCollum, Port Gamble S'Klallam Tribe

Gary Morishima, Quinault Indian Nation

Don Motanic, Intertribal Timber Council

Dave O'Donnell, Bureau of Indian Affairs

Britt Parker, NOAA NIDIS

Sascha Peterson, Adaptation International

Pah-tu Pitt, Na'ah Illahee Fund and Confederated Tribes of Warm Springs

Gabrielle Roesch-McNally, Northwest Climate Hub

Barrett Ristroph, Fairbanks Alaska

Tom Schlosser, Tribal Attorney

Jeff Trammell, Sauk-Suiattle Indian Tribe

Melissa Watkinson, Washington Sea Grant

Fletcher Wilkinson, Samish Indian Nation

Ann Wyatt, KCA, Klawock, Alaska

Meeting Notes

USDA Climate Hub: Compilation of USDA Programs and Resources to Assist Tribes in Adapting to Climate Change. Gabrielle Roesch-McNally from the [Northwest Climate Hub](#) joined the call to give the network an update of the recently created Compilation of USDA Programs and Resources to Assist Tribes in Adapting to Climate Change spreadsheet. The spreadsheet was created by a collaboration of people within the [USDA](#) and the [USDA Climate hubs](#). The Climate Hubs link USDA research and program agencies in their regional delivery of tools and information to agricultural producers and professionals. There is a Climate Hub tribal working group to coordinate the climate efforts they are conducting across the country with Tribes.

The spreadsheet is organized by resources and program types. Types of programs include grants and funding; insurance and loans; informational resources; services and training; and technical support. After review, the USDA Office of Tribal Relations requested that the spreadsheet be made more searchable. In order to do that, the Northwest Climate Hub created a list of keywords that can be used to navigate the spreadsheet. Users can search the spreadsheet as a whole or for resources by clicking into the specific tabs. Many of the programs listed focus on conservation and natural resource management practices. They also focus on disaster mitigation and preparedness.

The spreadsheet is intended to be a living document. It has been shared on many levels with the different partners and collaborators within the region. Currently, the NW Climate Hub is waiting for Congress to pass the [2018 Farm Bill](#) that will inform updates for the spreadsheet. Gabrielle anticipates that the spreadsheet will be posted as a searchable online database in late summer. If you are interested in viewing the spreadsheet before then, you can contact Gabrielle at groschmcnally@fs.fed.us, or Holly Prendeville at hollyrprendeville@fs.fed.us.

The Tribal Climate Change Project is also working to update the Tribal Climate Change Guide with relevant resources and programs provided in the spreadsheet.

Changing Currents 2018 Tribal Water Summit. Reflection by [Haley Case-Scott](#), PNW Tribal Climate

Change Network Research Assistant. The Changing Currents 2018 Tribal Water Summit took place at the University of Washington Intellectual House and was hosted by the Affiliated Tribes of Northwest Indians and the University of Washington School. The Suquamish Tribe, Puyallup Tribe of Indians, Nisqually Indian Tribe, Lummi Nation, Russell Family Foundation, and the US Environmental Protection Agency, ATNI and UW sponsored the event. This conference brought together tribal leaders, scientists, and policy analysts to discuss the effects of climate change and unsustainable development on water management, distribution, quality, and quantity in the Pacific Northwest.

Panelists and participants discussed many themes and issues during the Summit, including the importance of tribal sovereignty and stewardship; increasing voter participation in tribal communities; collaboration, partnership, and creativity; remembering our past, culture, and traditions; telling our stories; and finally the importance of water management, quality, quantity, quality, accessibility, and availability. Participants also worked together to identify key challenges in providing clean and healthy water to their communities and also the environments that they live in. Climate change, competing stakeholder interests, increases in urbanization, and unsustainable development were some key challenges frequently highlighted by participants throughout the summit. Overall, panelists suggested that collaboration among tribes and multiple partners, including tribes, remembering our past, telling our stories, and strengthening tribal sovereignty are all critical in our work to protect our water for current and future generations. For more information about the Summit, contact [Clarita Lefthand-Begay](#) and [Joel Moffatt](#).

Oregon Clean Energy Jobs Bill. Shilpa Joshi from [Renew Oregon](#) joined the call to provide an update on the Clean Energy Jobs Bill. They are currently focused on summer organizing and coalition work. A joint committee made up of House and Senate Representatives was created in the state legislature to draft a bill that will address carbon reduction in the state of Oregon. Shilpa and Don Sampson are working to involve Tribal Councils around the state in the development of the carbon reduction bill. The Affiliated Tribes of Northwest Indians (ATNI) has already endorsed the bill with a resolution. Renew Oregon and ATNI are also working on securing resolutions from Tribal Councils. The Confederated Tribes of Warm Springs, the Confederated Tribes of Umatilla Indian Reservations, and The Confederated Tribes of Grand Ronde have each passed resolutions in support of the bill. Shilpa also announced the Oregon Coastal Caucus Economic Summit (OCCES) on August 22-23, 2018. The summit will be hosted by the Confederated Tribes of Siletz at the Chinook Winds Casino. The summit has two main themes that they will focus on, 1) Challenges and Opportunities in Education and 2) The Sequestration of Carbon: A Collaborative Approach to Cap, Investment, and Green Energy Job Growth. For more information and to register for the summit, follow the link: <https://www.surveymonkey.com/r/8H9Q3PT>.

Northwest Climate and Health Network. Marnie Boardman gave an update on the [Northwest Climate and Health Network](#). The Network is an informal group intended to bring together state and local health care practitioners across the Northwest to share opportunities and best practices in relation to climate change and public health. The Network is currently exploring how to assess the impacts on public caused by climate change. They are also aiming to expand the training that has been done within the public health force, and looking for resources that could be useful to this training. Marnie mentioned that Tribes and Tribal organizations have done a lot of training, and may have many resources that could be useful to the public health community. For more information or to join the Northwest Climate and Health Network, visit: <http://listsmart.osl.state.or.us/mailman/listinfo/nw-climate-and-health>.

The Fifth Annual Comprehensive Conference on Tribal Water in the Pacific Northwest. Tom Schlosser announced that [the Fifth Annual Comprehensive Conference on Tribal Water in the Pacific Northwest](#) in Seattle this week. The conference will focus on the Culvert Case, treaty rights, Bill 6091, and groundwater protection. Once the proceedings and presentations are available, Tom will share information with the Network.

35th Annual National Tribal Health Conference; Tribal Unity to Advance the Promise of Health. Marnie Boardman highlighted the call for proposals for the [35th Annual National Tribal Health Conference; Tribal Unity to Advance the Promise of Health](#). **The deadline for proposals is July 27, 2018 at 11:59 pm ET.** If anyone is interested in submitting proposals that highlights the relationship between climate change adaptation and public health, possible tracks could include Enhancing the Relationships between Tribal and State Governments and/or Native Youth: Making a difference. Abstracts must be submitted in Seminar or Workshop format. This announcement is also highlighted below under Call for Proposals. For more information on proposals, follow the link: <https://www.cvent.com/c/abstracts/ebdeaf8e-41ac-4e2f-a2fd-4af2b250cfa6>

Funding Opportunities:

For a searchable grant database, visit the Tribal Climate Change Funding Guide here: <https://tribalclimateguide.uoregon.edu/>.

FY 2018 and FY 2019 Source Reduction Assistance Grant Program.

EPA is announcing a grant competition to fund two-year Source Reduction Assistance (SRA) agreements that support source reduction approaches (also known as pollution prevention or P2). EPA plans to award approximately \$2 million in federal grant funding over a two-year funding cycle (\$1 million in FY 2018 and \$1 million in FY 2019) to support SRA agreements offered as grants and/or cooperative agreements. EPA will not issue a funding announcement in FY 2019. Proposals are due **Thursday, August 23, 2018** and can be submitted via www.grants.gov. EPA is interested in receiving proposals that:

1. Offer practical pollution prevention (P2) tools or approaches to measurably improve the environmental footprints of state agencies, federally-recognized tribes, intertribal consortia, businesses, municipal/local governments and/or local communities while also supporting efficiency to reduce resource use, expenditures, waste and liability costs.
2. Adhere to the statutory authorities for this program by using one or more of these technical assistance methods: a) research, b) investigation, c) experiments, d) education, e) training, f) studies and/or g) demonstration of innovative techniques – to carry out source reduction/P2 activities.
3. Place additional emphasis on documenting and sharing P2 best practices and innovations identified and developed through these grants so that others can replicate these approaches and outcomes. Therefore, in general, grant recipients must document and report on the P2 recommendations where they are provided to a technical assistance beneficiary (e.g., state agencies, federally-recognized tribes, intertribal consortia, business, facility, municipal/local governments, and/or local communities that received the technical assistance) and, at a later date, report on P2 actions adopted by the technical assistance beneficiary (alternative reporting provisions are available, if technical assistance is broadly provided – see Section VI.C.3.b.).
4. Focus project activities on one or more of the P2 Program’s National Emphasis Areas: Business-Based Pollution Prevention Solutions Supporting Toxic Substances Control Act (TSCA) Priorities and Chemical Safety; Food and Beverage Manufacturing and Processing; and, Hazardous Materials Source Reduction Approaches in States or Communities.

For more information, go to <https://www.epa.gov/p2/fy-2018-and-fy-2019-request-proposals-source-reduction-assistance-grant-program>.

Announcements

The New CAKE website is live! The Climate Adaptation Knowledge Exchange (CAKE) program is an open-access community website filled with on-the-ground adaptation case studies, resources and tools. Drawing from the feedback of our 2017 User Survey, CAKE has updated its site by streamlining its look and feel, clearly organizing resources, and improving navigation. With over 400 on-the-ground case studies and other resources created by

and for the adaptation community, CAKE users have the opportunity to share their own experiences as well as learn from others in the field. CAKE houses adaptation content, including:

- Case studies of on-the-ground adaptation efforts
- Resources ranging from journal articles, to tools, to strategic plans that support your work
- A community calendar regularly updated with climate adaptation events
- An opportunities board filled with funding, job posts, trainings, and more
- A directory of individuals and organizations rich with adaptation knowledge

Check out the new website: <https://www.cakex.org/>.

Climate Change and Indigenous Peoples Recording by Wisdom of the Elders. Wisdom of the Elders recorded the 2018 Climate Change and Indigenous Peoples Lecture: Climate Change, Water, and Landscapes: Impacts to Indigenous Culture and Sovereignty in the U.S. with Dr. Karletta Chief and Dr. Margaret Redsteer at the University of Oregon. *The link to the lecture is here:* <https://vimeo.com/273763275>. For more information on this event, visit: <https://ccip.uoregon.edu/>.

Recent Webinar Recordings:

- **Including INDIGENOUS Health in Climate Change Assessments: Overview of Methods and Results from Swinomish:** <https://vimeo.com/274936176>. Hosted by the [National Indian Health Board](#).
- **Emerging Voices in Water Resources Webinar #2** from the [Universities Council on Water Resources](#) is now available: <https://register.gotowebinar.com/recording/viewRecording>
- **Communicating climate change: Confederated Tribes of the Umatilla Indian Reservation climate adaptation planning and community outreach:** <https://greatnorthernlcc.org/event/997>.
- **Pacific Northwest Drought & Climate Outlook Webinar** from the National Integrated Drought Information System now available: <https://www.drought.gov/drought/calendar/events/pacific-northwest-drought-climate-outlook-webinar-june-25-2018>
- **Native Communities Adapting to Weather Extremes and Climate Variability Webinar** from [Applying Indigenuity](#) is now available: <https://vimeo.com/channels/1202840>
- **Best Practice for Collaborative Climate Adaptation Research Between Tribal and Non-Tribal Partners** from the NW CSC Webinar Series is not available: <https://vimeo.com/279354118>

Calls for Proposals and Participation

35th Annual National Tribal Health Conference Proposal Submission Deadline Extended! Deadline for Workshop Proposals is now July 27, 2018 at 11:59 PM EST. Tribal leaders, health directors, policy specialists, advocates, and allies are invited to submit abstracts for the National Indian Health Board's 2018 National Tribal Health Conference, taking place **September 17-20, 2018** in Oklahoma City, Oklahoma. The National Indian Health Board (NIHB) encourages presentations highlighting innovative and community-driven approaches to improving quality of health systems, strengthening the business of medicine, pathways for successful advocacy efforts, enhancing government to government relationships, and evidenced based, wise, best or promising practices developed in and for Tribal communities. To submit your proposal, [click here](#).

Rural Resilience Survey for Adaptation Service Providers. Deadline to Respond is July 30, 2018. Resilience and sustainability professionals of all disciplines who work with rural communities are encouraged to take this survey and contribute to the ultimate success of [this project](#). The findings and resulting training module will be a resource for all adaptation professionals as well as rural leaders. Thank you for taking the time to complete the survey and for contributing to resilience in our rural communities! The survey should take about 10 minutes to complete. After completing [the survey](#), there will be an opportunity to participate further as an expert project advisor.

Call for Abstracts – [AGU Fall Meeting Session](#) on Intercultural Science Communication. **Deadline for Abstract Submissions is August 1, 2018. Submit by the early deadline July 25, 2018 for a chance to win a \$100 USD gift card! We aim to start a dialogue within the Earth science community about the interaction of indigenous knowledge systems with modern conceptualization of research. Therefore, we invite presentations that show examples of effective decolonized science communication and how unintentional conflict between scientists and native communities were resolved. We also encourage Earth scientists to present examples of interactions with local knowledge systems and how indigenous knowledge has driven purposeful investigations and provided a foundation for effective science communication. Finally, we would like to address the issue of socio-cultural boundary conditions for science communication. Submit abstracts [here](#).**

4th National Adaptation Forum Call for Proposals. **Deadline for proposals is August 3, 2018.** Proposals are being accepted for Symposia, Training Sessions, Working Groups, Oral Presentations, Posters, and the Tools Cafe. Submissions should reflect the best thinking in the adaptation field, informed by theory, research and practice on subjects related to identified [focal topics and cross-cutting themes](#). The Call for Proposals is [here](#).

[Applications are now being accepted](#) to host the Northeast, South Central, and Pacific Islands [Climate Adaptation Science Centers](#). **Deadline for applications is September 21, 2018.** Climate Adaptation Science Center host institutions are expected to provide expertise and experience to achieve the CASC mission of identifying climate/global change impacts to and effective adaptation strategies for land; water; fish and wildlife; nearshore, coastal and cultural heritage resources; and the ecosystem services upon which human communities depend. Host Institutions will be eligible for projects and project funding as a component of this agreement. To facilitate the financial assistance application process, two 1-hour informational webinars will be conducted on **July 23 @ 3:00PM ET and July 31 @ 5:00PM ET** by the National CASC to accommodate inquiries about this program and the proposal review, evaluation, and selection process. Interested applicants should email casc@usgs.gov to obtain call-in/web address information.

Media, Publications and Online Resources

FEMA’s Pre-Disaster Mitigation Program – a potential resource for cross-boundary climate resilience projects. *Climate Wise. July 10, 2018.* The federal governments budget for fiscal year 2018 includes \$246 million for the Pre-Disaster Mitigation program at the Federal Emergency Management Agency (FEMA) – up from \$100 million in 2017. Funding through this program can be used for many different planning and implementation activities, including building climate resilience in communities faced with high risk from changing climate conditions. https://climatewise.org/news/1268-fema-s-pre-disaster-mitigation-program-a-potential-resource-for-cross-boundary-climate-resilience-projects?inf_contact_key=553bb8d775824bb9cefc5abca3b63f6da5cedfa27a17109312c77726238a5b0e

Chevron told to pay \$9.5 billion judgment to indigenous communities. *Indianz.com. July 12, 2018.* The highest court in Ecuador has upheld a \$9.5 billion judgment against energy giant Chevron for polluting indigenous communities. <https://www.indianz.com/News/2018/07/12/chevron-told-to-pay-95-billion-judgment.asp>

A Practical Guide to Building Climate Resilience. *Climate Ready Communities.* This free resource is built on the [Geos Institute’s](#) Whole Community Resilience framework and walks you through creating a climate resilience plan for your community. The guide is organized around the “7 steps” of the Whole Community Resilience Framework: 1) Launch the Project 2) Assess Past and Future Trends 3) Identify and Prioritize Vulnerabilities 4) Develop and Prioritize Resilience Strategies 5) Finalize and Share the Plan 6) Implement the Plan 7) Monitor and Reassess. Follow the [link](#) to request your free guide.

Climate Risk Management Practices. Ho et al. February 2018. Climate change is a major challenge for resource management decision making because of the uncertainties of how future conditions may unfold. Past techniques for responding to environmental challenges may not be as effective in the future. Adaptation options generated through a series of climate change vulnerability assessments and adaptation workshops in the Western United States were synthesized and are presented here as key climate change sensitivities and risk management practices for: forest vegetation, non-forest vegetation, water and infrastructure, fisheries and fish habitat, wetlands and riparian areas, wildlife, and recreation. These practices can be applied in resource management planning and on-the-ground projects.

https://www.climatehubs.oce.usda.gov/sites/default/files/climate_change_rmeps_final_2018.02.16.pdf

Can ‘Moneyball’ Fix How the West Manages Wildfire? By Tony Schick. July 16, 2018. *The U.S. Forest Service and others have been saying for decades that we need to allow more wildfire on the landscape. But so far, we haven't practiced what we preach.* https://www.opb.org/news/article/fire-wildfire-west-management-science-data-risk-moneyball/?utm_campaign=FirstLook&utm_source=firstlook&utm_medium=email

Job Opportunities, Youth Internships and Fellowships

CNAY Capitol Hill Training. July 23, 2018 12pm-3pm. [The Center for Native American Youth](#) at The Aspen Institute is partnering with the Congressional Native Staff Association, the Senate Diversity Initiative, and the House Diversity Initiative to provide a unique training opportunity for Native youth in the DC area. This training will provide Native youth with some of the skills, strategies, and tools necessary to be a competitive candidate for careers on the Hill. Participants will speak with current Native Hill staff and learn directly from the directors of the Senate and House Diversity Initiatives. For registration information, visit this form.

Climate Change and Health Specialist. [First Nations Health Authority](#). **Deadline to Apply is July 25, 2018 4pm pacific.** If you are looking to make a difference in the Health and Wellness of BC First Nations, this is the perfect opportunity for you! Your high level of expertise and experience working with and for First Nations Communities on the health impacts of climate change have prepared you well for this role. For more information and to apply, [follow link](#).

Environmental Policy Analyst. Confederated Tribes of the Grand Ronde Community. Deadline to Apply is July 26, 2018 at 5 pm. Fulfills leadership roles in environmental compliance facilitation and policy level analysis/representation for the Tribe. Furthers the mission of the Tribe by ensuring knowledgeable representation on issues concerning environmental protection, compliance, monitoring and management activities on lands and on other issues important to the Tribe. Serves as the lead NEPA staff person for the Tribe. For more information, follow the link: https://grandronde.acquiretm.com/job_details_clean.aspx?id=1071

California Sea Grant (CASG) Director. Deadline for Applications is August 24, 2018. The Director assumes overall responsibility for leadership and programmatic oversight of CASG, and has national, state-wide, and university-wide responsibilities. Working with a team that includes 18 staff members, 9 extension specialists and an extension director (each of whom holds an academic position), the Director secures financial support for the program and builds successful partnerships across numerous and diverse constituencies within and beyond the state of California. The Director facilitates high-impact research, outreach, fellowship and communications activities to increase the understanding of, responsible interaction with, and use of California's ocean and coastal resources. The Director leads the CASG Management Team that also includes the extension director, business manager, and communications coordinator. Interested applicants must apply online at the [UCSD Job Bulletin](#). For questions about this position, contact Dr. Doug Bartlett at dbartlett@ucsd.edu

[E-Learning Consultant for Resilient Rural America Project and Model Forest Policy Program.](#) E-Learning Consultant needed for collaborative project team to guide adult, professional education for rural community leaders through a virtual learning management system. The E-Learning Consultant will advise the project team on best practices for developing and delivering an online training module, co-producing and beta testing the effectiveness of the module, and refining the training module for future use. Time commitment is estimated to be 6-8 hours per month for 10 months. Email your resume, cover letter, and description of previous related experience to gwengriffith@gmail.com. For more information, follow link.

Upcoming Events

July 25, 2018. 10 am- 12 pm Pacific. 2018 Tribal Energy Webinar: Request for Proposal (RFP) Strategies for Tribal Community Energy Projects. A request for proposal (RFP) is a useful tool to procure valuable assets and/or services for energy projects. In this webinar, attendees will learn how to develop RFPs that effectively reflect tribal community energy plans and encourage qualified bidders to respond. Attendees will also learn how a request for information (RFI) can be used to help inform the development of an RFP. Using the information from the webinar, tribes can ensure their RFPs have wide distribution and high-quality responses. The webinar will also discuss key considerations for tribes when responding to an electric utility RFP for energy development. Register [here](#).

July 25, 2018. 11am- 12pm Pacific. Developing a Dynamic Spatial Tool to Support Collaborative Regional Adaptation Planning in Cascadia. To enable informed decisions in real time that are coordinated to ensure a resilient region into the future, we need a shared strategy across land and management boundaries that utilizes a dynamic tool to support our coordination and planning. Learn more about the process underway in Cascadia to develop this strategy, and the unique tool being developed in partnership with Google to support regional planning, goal setting, and monitoring of the region that may have repeatability and scalability for other regions. For information and to register, [click here](#).

July 26, 2018. 9 am Pacific. Webinar, OneNOAA Science Seminar series: Climate Science Special Report. "Droughts, Floods, and Wildfire." *Michael Wehner (DOE-LBNL)*. Droughts, floods, and wildfire have significant negative effects throughout much of the United States. Volume I of the Fourth National Climate Assessment (NCA4) - aka the Climate Science Special Report (CSSR) - has a chapter that details how climate change exacerbates the risks of such major events. These topics, as discussed in CSSR Chapter 8, are reviewed in this talk. *Webinar Access:* We will be using the Adobe Connect platform for this webinar. To join this session, please go to this site at the scheduled date and time: <https://noaabroadcast.adobeconnect.com/nosscienceseminars/>.

July 26, 2018. 3 pm- 4pm Pacific. 2nd Gap Guidance Evaluation Tribal Consultation Call and Webinar. The Office of International and Tribal Affairs is conducting tribal consultation to evaluate the Indian Environmental General Assistance Program (GAP) Guidance that was issued in 2013 and its implementation, to better achieve the goals of the program. To participate, call 1-866-299-3188, enter conference code 202-564-4013 and [click here](#).

July 31-August 2, 2018. Institute for Tribal Environmental Professionals upcoming *Introduction to Climate Change Adaptation Planning* course. Choctaw, MS. This course provides an overview to planning for climate change impacts, highlighting the work of several tribes. The course is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. All participants are responsible for their own transportation costs (airfare, taxis, shuttle service, mileage, etc. **To Register:** fill out the online application form at <http://www7.nau.edu/itep/main/tcc/Training/Trainings>.

August 2, 2018. 9 am Pacific. Webinar, OneNOAA Science Seminar series: Climate Science Special Report.

“Climate Potential Surprises – Compound Extremes and Tipping Elements.” *Radley Horton (Columbia University / Lamont-Doherty Earth Observatory)*. Diverse lines of evidence suggest that the further the climate system is 'pushed' through increases in greenhouse gas concentrations, the greater the potential for rapid changes that are difficult to model or otherwise foresee. Several examples will be presented within a risk management framework, ranging from a) the probable to b) the low probability but catastrophic should they occur. *Webinar Access:* We will be using the Adobe Connect platform for this webinar. To join this session, please go to this site at the scheduled date and time: <https://noaabroadcast.adobeconnect.com/nosscienceseminars/>.

August 2, 2018. Puget Sound Climate Preparedness Collaborative Shoreline Management Planning Workshop, Bremerton, WA. Over the next two years, shoreline jurisdictions in the Puget Sound region will update their Shoreline Master Programs, creating an opportunity to strengthen local-level responses to sea level rise. This one-day workshop will address how to best incorporate sea level rise projections into the Shoreline Master Programs update. For more information visit: <https://pugetsoundclimate.org/> and to register, [click here](#).

August 7-9, 2018. Institute for Tribal Environmental Professionals upcoming *Introduction to Climate Change Adaptation Planning* course. San Diego, CA. This course provides an overview to planning for climate change impacts, highlighting the work of several tribes. The course is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. All participants are responsible for their own transportation costs (airfare, taxis, shuttle service, mileage, etc. **To Register:** fill out the online application form at <http://www7.nau.edu/itep/main/tcc/Training/Trainings>

August 9, 2018. 9 am Pacific. Webinar, OneNOAA Science Seminar series: Climate Science Special Report. “Climate Long-Term Climate Mitigation Perspectives and the 2°C Objective.” Ben DeAngelo (NOAA). The presentation addresses estimates of different cumulative carbon budgets in light of future global warming objectives--with a particular focus on the now oft-cited 2°C goal, its origin, and the chances of meeting such an objective. *Webinar Access:* We will be using the Adobe Connect platform for this webinar. To join this session, please go to this site at the scheduled date and time: <https://noaabroadcast.adobeconnect.com/nosscienceseminars/>.

August 9-11, 2018. Aimalama: A Mauliauhonua Experience: traditional knowledge in responding to climate change. University of Hawai'i Maui College (UHMC) campus in Kahului. The three-day conference will guide attendees on how to create their own kaulana mahina (Hawaiian lunar calendar) specific to their local environments, strengthen their kilo (observation) skills, and leverage best practices for recording site-specific natural events. Conference information is available online at aimalama.org.

August 12-13, 2018. Solve at Standing Rock. Cannon Ball, ND. Solve at Standing Rock is a two-day gathering to celebrate and uplift the innovative sustainability work currently being done in Indian Country. This event will highlight the [2018 Oceti Sakowin | Solve Fellows](#) and their projects, which bring renewable energy and food accessibility to the community and contribute to economic prosperity and sovereignty. Over these two days, we will focus on the huge potential for indigenous people to lead the environmental movement, from solar panel installations to sustainable community housing and from renewable energy building audits to agriculture technique courses. To register, click [here](#).

August 13-16, 2018. Tribal Lands and Environment Forum. Spokane, Washington. Hosted by the Institute for Tribal Environmental Professionals. Topics highlighted at the forum include solid/hazardous waste management, brownfields, UST/LUSTs, Superfund sites, emergency response and tribal water programs.

August 15, 2018. 2 pm Pacific. Northwest Climate and Health Network Call.

August 16, 2018. 9 am Pacific. Webinar, OneNOAA Science Seminar series: Climate Science Special Report.

"The Causes and Consequences of a Rapidly Changing Arctic." *Patrick Taylor (NASA-Langley Research Center).*

Earth's climate system is highly interconnected, meaning that changes to the global climate influence the United States climatically and economically. Observed changes to the global climate affecting the United States include rising global temperatures, diminishing sea ice, melting ice sheets and glaciers, rising sea levels, etc. These documented changes have global economic and national security implications, including for the United States. This presentation discusses the changes in the observed in the Arctic, the projected changes, and the potential impacts to us living the U.S. *Webinar Access:* We will be using the Adobe Connect platform for this webinar. To join this session, please go to this site at the scheduled date and time:

<https://noaabroadcast.adobeconnect.com/nosscienceseminars/>.

August 22, 2018. 1 pm Pacific. South Central Climate Adaptation Science Webinar- Tribal Online Course

Materials. Learn more about the South Central Climate Adaptation Science Center's online course resources. The webinar will highlight several online course materials available for tribal professionals. Our introduction to climate course materials are a great starting place for tribal professionals to learn the basics and free to use. Our vulnerability assessment online course materials include videos and presentation files which allow for you to take the training at your own pace. Our Managing for a Changing Climate online course features small sections on various topics with very short videos. To join the meeting, go to:

<https://app.gotomeeting.com/?meetingId=363956125>. You can also dial in using your phone: 1 (571) 317- 3122. Access Code: 363-956-125.

August 22-23, 2018. 2018 Oregon Legislative Coastal Caucus Economic Summit. Lincoln City, OR. We are

pleased to be presenting this Summit in partnership with the Confederated Tribes of Siletz. The OCCES objectives are to bring together over 400 key leaders from the federal, state, local and tribal governments, policy makers, educators, and representatives from the business sector for face-to-face networking opportunities. We also seek to close the rural-urban divide by creating initiatives that include rural voices in the conversations on development and policy implementation. For more information and to register, [click here](#):

<https://www.surveymonkey.com/r/8H9Q3PT>

August 23, 2018. 9 am Pacific. Webinar, OneNOAA Science Seminar series: Climate Science Special Report.

"Climate Tidings of the Tides." *Billy Sweet (NOAA).* Human activities are a significant contributor to the rise in global sea levels, which have risen about 7-8 inches since 1900 with about 3 of those inches occurring since 1993. By 2100, global sea levels are very likely to rise by 1.0-4.3 feet above year 2000 levels depending upon future emissions of greenhouse gases, though emerging science regarding Antarctic ice sheet stability suggests that a rise above 8 feet is physically possible. With continued rise, it is likely that damaging/moderate coastal flooding will occur several times a year within dozens of U.S. coastal locations within the next several decades.

Webinar Access: We will be using the Adobe Connect platform for this webinar. To join this session, please go to this site at the scheduled date and time: <https://noaabroadcast.adobeconnect.com/nosscienceseminars/>.

August 27, 2018. 11 am Pacific. [Pacific Northwest Drought Early Warning System Drought & Climate Outlook](#)

[Webinars.](#) These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

August 27-29, 2018. [3rd California Adaptation Forum](#). Sacramento, CA.

August 28, 2018. 9 am Pacific. Webinar, OneNOAA Science Seminar series: Climate Science Special Report.

"The Fourth U.S. National Climate Assessment: An Overview of Volume I." *Don Wuebbles (University of*

Illinois). The Fourth National Climate Assessment confirms prior assessments in concluding that the climate on our planet, including the United States, is changing, and changing rapidly. This presentation provides an overview of the findings from the new assessment, with a special focus on severe weather. *Webinar Access:* We will be using the Adobe Connect platform for this webinar. To join this session, please go to this site at the scheduled date and time: <https://noaabroadcast.adobeconnect.com/nosscienceseminars/>.

August 28-30, 2018. Become a Climate Reality Leader. Los Angeles, California. At Climate Reality Leadership Corps trainings, individuals ready to make a difference in our planet's future spend three days working with former Vice President Al Gore and world-renowned scientists and communicators learning about the climate crisis and how together we can solve it. Join us and gain the skills, knowledge, and network to shape public opinion, influence policy, and inspire your community to act at this critical time. Please send any questions or concerns to training@climatereality.com or visit: <https://www.climaterealityproject.org/training>

September 12-14, 2018. Global Climate Action Summit. San Francisco, CA.
<https://globalclimateactions summit.org/>

September 26-27, 2018. G318: Mitigation Planning Workshop. Anchorage, AK. Registration information is located here. The two-day workshop covers the fundamentals of natural hazards mitigation planning for tribes and local jurisdictions. Participants will not only understand the FEMA planning requirements, but will learn how to go above and beyond minimum requirements to ensure an effective mitigation plan may be implemented.

October 2-5, 2018. Third Annual Conference on Native American Nutrition. This annual conference that brings together tribal officials, researchers, practitioners, and others to discuss the current state of Indigenous and academic scientific knowledge about Native nutrition and food science, and identify new areas of work. For more information and to register, go to <http://seedsofnativehealth.org/conference/>

October 3-7, 2018. Society of American Foresters National Convention. Portland, Oregon. The convention theme will explore the differences between policy and politics, and how science, management, and policy interact and integrate to inform and influence the conservation of forested landscapes. Plenary sessions will consider the role of science in policy decisions such as wildland fire policy, the role of scientists and managers in the policy process, and how we can better influence policy makers.

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

October 10, 2018. 10 am Pacific. Webinar (6 of 6): Successful HRSA Tribal Grantees. The Health Resources and Services Administration (HRSA) is hosting a FREE Grants Education and Technical Assistance Webinar Series for Tribes, Tribal Organizations, Indian Health, Tribal and Urban Indian Health Programs. Learn about the federal grant application process, how to write better grant proposals and evaluation plans for your projects, strategies for successful grant management, and more. Participants will also have the opportunity to connect with HRSA subject matter experts, grant reviewers, as well as peers to discuss best practices and barriers to successful grants application and management. Register here:
https://hrsa.connectsolutions.com/federal_grant_application_recording/event/registration.html

October 15-18, 2018. Restoring Resilient Communities in Changing Landscapes Conference, Spokane, WA.

October 16, 2018. 2 pm Pacific. Northwest Climate and Health Network Call.

October 22, 2018. 11 am Pacific. Pacific Northwest Drought Early Warning System Drought & Climate Outlook

Webinars. These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

October 23-24, 2018. G318: Mitigation Planning Workshop. Lynwood, WA at FEMA Region 10 Offices.

Registration information is located here. The two-day workshop covers the fundamentals of natural hazards mitigation planning for tribes and local jurisdictions. Participants will not only understand the FEMA planning requirements, but will learn how to go above and beyond minimum requirements to ensure an effective mitigation plan may be implemented.

October 29- November 1, 2018. Tribal EPA Region 9 26th Annual Conference. San Francisco, CA. For more information, follow the link: <https://www.tribalepa.com/>

December 17, 2018. 11 am Pacific. Pacific Northwest Drought Early Warning System Drought & Climate Outlook Webinars. These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

December 19, 2018. 2 pm Pacific. Northwest Climate and Health Network Call.