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## Pacific Northwest Tribal Climate Change Network: Conference Call Notes and Email Bulletin – October 19, 2016

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### **Participants:**

- Alexandria Anguiano, Confederated Tribes of Warm Springs
- Lucas Bair, Spokane Tribe
- Marnie Boardman, Washington State Department of Health
- Laura Brown, Confederated Tribes of Siletz
- Rhonda Dasher, Confederated Tribes of the Colville Reservation
- Mike Durglo, Confederated Salish and Kootenai Tribes
- Darcey Evans, UC Santa Cruz
- Mike Grady, NOAA Fisheries
- Ciarra Greene, Wisdom of the Elders
- Chris Hatton, Wrangell Cooperative Association
- Scott Hauser, Upper Snake River Tribes Foundation
- Bennett Hestmark, Quinault Indian Nation
- Dave Johnson, Bureau of Land Management
- Carolyn Kelly, Quinault Indian Nation
- Linda Kruger, USDA Forest Service Pacific Northwest Research Station
- Kathy Lynn, University of Oregon
- Amelia Marchand, Confederated Colville Tribes
- Toby McCleod, Samish Indian Nation
- Gary Morishima, Quinault Indian Nation
- Don Motanic, Intertribal Timber Council
- Rachael Novak, Bureau of Indian Affairs
- Misty Peacock, Northwest Indian College
- Candace Penn, Squaxin Island Tribe
- Noel Plemmons, PSU
- Holly Prendeville, NW Climate Hub
- Larissa Ritzman, Shoalwater Bay Tribe
- Gabriel Roesch McNally, NW Climate Hub
- Sigvanna Topkok, Our Children’s Trust
- Paul Williams, Suquamish Tribe
- Ann Wyatt, Klawock Tribe
- Kevin Zerbe, Cascadia Consulting

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### **MEETING NOTES**

#### **Youth Climate Action in Alaska**

Sigvanna Topkok, a third year law student at the University of Oregon, is spending the year in Alaska and is conducting outreach for Our Children’s Trust (OCT) and Three Degrees Warmer in support of OCT’s effort to file a Petition for Rulemaking asking the Alaska government to take meaningful action on climate change. OCT is “a nonprofit organization coordinating a global human rights and environmental justice campaign to secure the legal right to a healthy atmosphere and stable climate. As a result of our work, courts around the U.S. and in other countries are hearing arguments to secure this right, in

accordance with science, on behalf of present and future generations. Top legal scholars, international scientists, national security experts, faith leaders, cities, NGOs and others support the cases.” [www.ourchildrenstrust.org](http://www.ourchildrenstrust.org). Three Degrees Warmer is a climate justice project founded at the University of Washington School of Law and “connects communities facing climate change with our powerful international network of scientists, lawyers, NGOs, and policy makers, helping communities build valuable partnerships that leverage resilience at home.” <http://threedegreeswarmer.org/>

As written in the OCT brief (attached), “young people in Alaska are planning to file a Petition for Rulemaking asking the Alaska government to take meaningful action on climate change. Youth around the world are standing up to protect our climate system, on which their lives depend. The Alaska Petition for Rulemaking (“The Petition”) will ask an authorized state department to adopt a rule requiring a systemic, science-based climate recovery plan, in order to reduce harmful emissions and return atmospheric concentrations of CO2 to safe levels for the benefit of petitioners and all future generations of Alaskans. The Petition is part of an international, youth-led legal campaign to address climate change, organized by the nonprofit organization, *Our Children’s Trust*. This global campaign seeks to compel governments to protect the rights of present and future generations to a healthy atmosphere and stable climate system. Petitioners receive an opportunity to actively shape their future, while also gaining a greater understanding of the legislative process and sense of empowerment.”

Sigvanna is now conducting outreach to Alaska native youth being affected by climate change. She will be in the Bering Strait region to talk with youth and their families about the petition. If you would like more information, you can visit: <http://www.ourchildrenstrust.org/alaska/>. If you have suggestions for Sigvanna, you can contact her directly by email at: [sigvanna@gmail.com](mailto:sigvanna@gmail.com). Jennifer Marlowe is the contact for Three Degrees Warmer and can be contacted at: [jmarlow@uw.edu](mailto:jmarlow@uw.edu). Linda Kruger shared information on the Forest Service’s work with high school students in Southeast Alaska and now South Central Alaska. She looks forward to connecting with Sigvanna and talking about opportunities for collaboration.

### **Tribal Youth Engagement in Climate Change**

Rachael Novak with the Bureau of Indian Affairs shared information about a number of tribal youth engagement climate change initiatives that the BIA is involved with:

**BIA / BIE K-12 Tribal Student Climate Change Photo Contest.** Using a classroom or cell phone camera, take a picture of something you value in your tribal community that climate change might affect. Include a caption describing the climate impact (and what might be done about it). Submit all captioned photos or questions by e-mail to: [bia\\_climate\\_photo\\_contest@bia.gov](mailto:bia_climate_photo_contest@bia.gov) or by teacher's class instructions. Categories: K-5, 6-8, & 9-12. Fall contest entries are due by **Nov. 30, 2016** and Spring entries by **April 28, 2017** to [bia\\_climate\\_photo\\_contest@bia.gov](mailto:bia_climate_photo_contest@bia.gov). Rachael emphasized that this content is aimed at encouraging students to express themselves and photograph things in their community that they value. The BIA has also developed a guide for mentors to work with students: <http://bia.gov/cs/groups/webteam/documents/document/idc2-044212.pdf>. They are encouraging photos from students (and not taken by teachers) since they are judged against other students. However, if there is a concern related to age or ability, contact Rachael. Another question focused on whether or not drawings can be submitted. Rachael said that while the focus this fall is on photography, it might be really interesting to consider other forms of media in future rounds of the contest. You can email Rachael with additional questions and comments ([rachael.novak@bia.gov](mailto:rachael.novak@bia.gov)).

**Intertribal Youth Climate Leadership Congress.** The Intertribal Youth Climate Leadership Congress has

been held in 2015 and 2016 at the National Conservation Training Center in Shepherdstown, West Virginia. This is an effort convened by seven federal agencies, including the BIA. The Congress has focused on bringing cohorts of tribal youth from tribes across the country to learn more about climate change and indigenous peoples. The Congress has used an open space format designed to give participants an opportunity to discuss and share issues and solutions related to climate change impacts in their communities, and then meet in small groups to discuss issues of most interest and important to them. There is also a small mini grants program designed to help youth take ideas back to their tribes and bring to life what they talked about in the Congress. The 2017 Congress will be held July 10 – July 15, 2017. The program is aimed at high school juniors. If you know of tribal youth who may be interested in participating in 2017, contact Rachael at [rachael.novak@bia.gov](mailto:rachael.novak@bia.gov). Don asked if there was a connection to UNITY Earth Ambassadors. Rachael suggested that while there hasn't been a connection in the past, it may be something to explore in the future.

Al Kuslikis with the [American Indian Higher Education Consortium](#) (AIHEC) was unable to join the call today, but is working to coordinate a partnership between the National Corporation for Public Service, AIHEC, the BIA, and others. Rachael shared that this partnership is intended to build capacity among tribes working on climate change issues by providing Vista volunteers to tribes and tribal colleges to work on tribal climate resilience. Rachael and Al will share more information on this partnership as it becomes available.

**Confederated Salish and Kootenai Tribes EAGLES Program.** Mike Durglo shared information about the Confederated Salish and Kootenai Tribe's efforts to engage youth in their climate change strategic plan, which was developed in 2013. "EAGLES is an initiative to encourage reservation youth to become aware of, and involved in, environmental and climate change issues locally in their communities. They are student-led, community based groups of highly motivated youth of the Flathead Reservation who are interested in environmental issues and/ or careers."

Mike mentioned that the tribe is targeting the four communities of Arlee, Ronan, Polson and St. Ignatius. Student-led groups are endowed with the responsibility of: developing a school/community recycling program, promoting environmental learning by hosting and coordinating webinars, workshops, and job shadow opportunities, and creating and distributing pamphlets on climate change issues and concerns. The primary projects that the EAGLES students have participated in are recycling and school and community gardens. CSKT is working to expand this program to four more schools on the reservations, as well as to other tribes in the region. Mike is working to share information on this program with other tribes through his participation on the EPA Region 8 Regional Tribal Operations Committee and the National Tribal Science Council. Mike's hope is to first have a regional EAGLES Summit, and then a National EAGLES Summit, potentially as part of the National Adaptation Forum. CSKT is also working to develop a curriculum for local schools to use in coordination with the EAGLES program. Mike also mentioned that there is international interest in this program, and they recently set up a Skype interaction with CSKT tribal youth and kids in Australia and New Zealand.

Suggestions on the call included integrating information on tribal government interactions, resolutions, and tribal government presentations within the curriculum and EAGLES program so that it becomes part of the student experience. Don suggested looking at the Mystic Mountain curriculum in Monday, which was developed through the Native American Fish and Wildlife Society.

Mike mentioned that CSKT brought 5 kids to the 2016 Intertribal Youth Climate Leadership Congress, and they recently brought on a Vista Volunteer to help with the climate change strategic plan.

**[Call for Technical Inputs for the 4<sup>th</sup> National Climate Assessment](#)**. By informing users about past, present, and future climate change, the National Climate Assessment (NCA) links scientific advancement with the needs of decision makers responding to a changing climate. To do this, the NCA gathers scientific information from many sources, highlighting key findings and major gaps in knowledge about climate impacts in regions and sectors across the United States. With input from over 1000 scientists, the [Third NCA \(2014\)](#) is the most comprehensive analysis to date of how climate change is affecting the United States now and it could affect it in the future. Development of the Fourth National Climate Assessment (NCA4) is underway, and nominations for regional and sectoral chapter lead authors, and contributing authors with relevant subject matter expertise, are [now open](#). [Details on chapter topics](#) can be found at the bottom of the federal register notice. Author nominations must be submitted by September 30, 2016. Technical inputs on sectoral, regional, and cross-cutting topics, which will serve as part of the foundation for NCA4 along with special assessments and other literature, can also be submitted at this time. [Details on regions and topics](#) to be included can be found at the bottom of the federal register. **All scientific and technical inputs must be submitted by January 15, 2017. To provide author teams more time to consider inputs, please submit by November 1, 2016.**

The November 16 PNW Tribal Climate Change Network call may serve as a listening session to gather technical input and contribute to a synthesis developed by tribal organizations in the region. Kathy will share more information once it is available.

**[National Adaptation Forum Poster, Tools Cafe' and Oral Presentation submissions are now open!](#)** If you did not have enough time to write a full session proposal, you can submit an abstract for an Oral Presentation or Poster Presentation to be presented to your colleagues at the National Adaptation Forum. You can also submit an online decision making tool for our Tools Cafe' at this time. We expect that sessions will reflect the best thinking in the adaptation field, informed by theory, research, and practice on key subjects related to identified focal topics and cross-cutting themes. If you have already submitted a session, you can log back into the My Forum dashboard to strengthen your proposal or find additional partners during the extension. The National Adaptation Forum will be gathering in Saint Paul, MN from May 9-11, 2017. For more information on how to submit a proposal for a poster, tools café or oral presentation, visit: <https://www.nationaladaptationforum.org/2017-program>.

**[Climate Resilience for the Upper Columbia River Workshop, October 25-26, 2016, Northern Quest Resort](#)**. Register at: 509-209-2414 or [john@ucut-nsn.org](mailto:john@ucut-nsn.org), Call **877-871-6772** for Lodging Reservations – *Mention “UCUT Climate Change” for Government Rate*. Learn about the latest climate science and how climate change is impacting our region. Learn how regional tribes are factoring climate change into important resource decisions. Network with a broad range of professionals from throughout the region to learn more about best practices in managing critical climate change issues. Who should attend? Tribal leaders and staff who wish to learn more about climate change and climate resilience. Sponsored by: Upper Columbia United Tribes, Affiliated Tribes of Northwest Indians, Spokane Tribe of Indians, Confederated Tribes of the Colville Reservation. For more information, visit: [http://www.atntribes.org/sites/default/files/UCUT\\_Climate\\_Change\\_Resilience\\_Workshop\\_161025%20.pdf](http://www.atntribes.org/sites/default/files/UCUT_Climate_Change_Resilience_Workshop_161025%20.pdf)

**[Winona LaDuke –Rights of Nature, November 19, 2016 at the University of Oregon](#)**. Community Rights Lane County along with UO Native American Studies, Ethnic Studies and Environmental Studies is hosting a “Rights of Nature” presentation by Winona LaDuke in the EMU Ballroom, Saturday November 19th at 7pm. Winona will speak on Nature’s historic position as “property” and the international call to

legally recognize Nature's right to exist, persist and naturally evolve. For more information, visit: <http://communityrightslanecounty.org/winona-laduke/>. If you plan to attend, you can also email [kathy@uoregon.edu](mailto:kathy@uoregon.edu).

## **ANNOUNCEMENTS**

**Climate Science Information Needs for Tribes in the Northwest: Results from an Online Survey of Northwest Tribes.** This report summarizes results from an online survey administered in February 2016 to identify high-priority climate science research needs among Pacific Northwest tribes. The survey presented tribes with the opportunity to articulate their highest priority information needs, ultimately to be conveyed to regional climate researchers, scientists, and others studying these issues. Cascadia Consulting Group, in partnership with the Port Gamble S'Klallam Tribe and the Northwest Indian Fisheries Commission, undertook this effort to direct and initiate an open line of communication between the science and tribal communities. Enhanced communication is intended to provide data that will inform tribal decision-making about adaptation, help scientists identify areas where targeted research could be immediately actionable, and identify opportunities for joint grant applications and other research collaborations. Prepared by: Cascadia Consulting Group With support from: Port Gamble S'Klallam Tribe and Bureau of Indian Affairs In collaboration with: Northwest Indian Fisheries Commission. PDF report is available here: [http://www.cascadiaconsulting.com/uploads/pdf/tribalclimatescienceneedssummary\\_final.pdf](http://www.cascadiaconsulting.com/uploads/pdf/tribalclimatescienceneedssummary_final.pdf). Overview: [http://www.cascadiaconsulting.com/uploads/pdf/tribalclimatescienceneedsflyer\\_final.pdf](http://www.cascadiaconsulting.com/uploads/pdf/tribalclimatescienceneedsflyer_final.pdf).

**EPA Announces Initiatives To Advance Tribal Sovereignty, Expand Environmental Observer Network.** The U.S. Environmental Protection Agency (EPA) announced an [interagency agreement on tribal treaty rights and other initiatives](#) designed to advance tribal sovereignty and self-determination. EPA Administrator Gina McCarthy announced this and other initiatives to improve human health and the environment on Indian reservations in remarks at the White House Tribal Nations Conference in Washington. EPA also announced the expansion of the [Local Environmental Observers Network](#) program, a concept tribal communities initiated and championed, beyond its current reach in Alaska and the Arctic region, and into the lower 48 states. This expansion will develop a lower-48 LEO network hub at Northwest Indian College in Bellingham WA; and create a model for the other 35 tribal colleges and universities in the lower 48 to replicate across the U.S. The LEO network is a network of local observers and topic experts who share on-the-ground knowledge about unusual animal, environmental and weather events. The administrator also recently signed a [rule to establish procedures for eligible tribes to obtain the authority, under the Clean Water Act section 303\(d\) program](#), to identify impaired waters on their reservations; and to establish total maximum daily loads of contaminants that can be discharged into those waters. This will allow each tribe to meet their own water quality standards. For more information: <http://www.bia.gov/WhoWeAre/AS-IA/WHCNAA/index.htm>

**Tribal Consultation to Update the FEMA Tribal Policy.** FEMA is updating its Tribal Policy that guides how the agency implements a framework for nation-to-nation relations with federally recognized tribal governments, recognizing tribal sovereignty, self-governance, and our trust responsibility consistent with applicable authorities. This updated policy will supersede the current [FEMA Tribal Policy](#), issued in 2013, which expires on *December 30, 2016*. The goal is to update the policy to reflect current authorities, address key policy questions, and improve the Agency's nation-to-nation relationship with tribal governments to ensure we work together to build, sustain, and improve every tribal governments' capacity to prepare for, protect against, respond to, recover from, and mitigate against all hazards. This

consultation period will facilitate tribal leaders' or their designee's feedback during the policy update process. FEMA will engage officials through face-to-face meetings, national and regional association conferences, conference calls, and webinars to seek input on questions highlighted in the [FEMA Tribal Policy: Key Concepts](#) document. Tribal officials' suggestions and comments will inform further development and refinement of FEMA's Tribal Policy. Tribal officials can submit comments on the [FEMA Tribal Policy](#) until **October 28, 2016**, through: E-mail to [tribalconsultation@fema.dhs.gov](mailto:tribalconsultation@fema.dhs.gov), or Mail to ATTN: Margeau Valteau, Office of External Affairs (OEA), DHS/FEMA, 500 C Street SW, Washington, DC 20472-3605.

**Climate and Health Summit Call for Abstracts. November 14th, 2016.** The Climate and Health Program at the Centers for Disease Control and Prevention (CDC), in partnership with the American Public Health Association, Association of State and Territorial Health Officials, Council of State and Territorial Epidemiologists, National Association of County and City Health Officials, and the National Indian Health Board, is pleased to announce the **Climate and Health Summit** at the CDC headquarters in Atlanta, Georgia, February 14-16, 2017. There is no cost to register for this event. <https://www.surveymonkey.com/r/climateandhealthsummit>.

**USDA Forest Service proposes amendment to the 2012 Planning Rule for National Forest System Land Management Planning.** On October 12, 2016, the Forest Service published a Federal Register notice seeking public comment on a proposal to amend the 2012 Planning Rule. This proposal seeks to clarify procedural issues related to the forest planning process. A copy of the proposed amendment can be found on the [Amendment to the 2012 Planning Rule Webpage](#). The comment period closes **November 14, 2016**.

**Call for Student Climate Justice Abstracts. Deadline November 14, 2016.** The Educate, Motivate and Innovate (EMI) Climate Justice Initiative is seeking abstracts that address resiliency, adaptation, and mitigation for the **National Environmental Justice Conference and Training Program** Conference taking place March 8-10, 2017 in Washington D.C. Students should emphasize the relationships between climate change and the following: public health, cultural and traditional practices, economic development, and environmental justice communities. Submit professor reviewed abstracts, including student and professor contact information and no more than two pages double-spaced related to topics of interest stated above to: Joanna Mounce Stancil - U.S. Forest Service [joannastancil@fs.fed.us](mailto:joannastancil@fs.fed.us).

**Center for Native American Youth (CNAY) Accepting Applications and Nominations for Champions for Change Leadership Program: Due Nov. 15, 2016.** The Center for Native American Youth is now accepting nominations from tribal leaders, teachers, school administrators, parents, Native youth and others who know a young Native leader making a positive impact in their tribal or urban Indian community. Once you nominate a young person, CNAY will notify them of their nomination, share the Champions for Change application, and invite the nominee to apply by November 15. Nominees are still responsible for submitting a complete application, including two adult recommendations and one peer recommendation. [http://www.cnay.org/CFC\\_Nomination\\_Form.html](http://www.cnay.org/CFC_Nomination_Form.html)

**The Nomination period is open for the 2017 Climate Adaptation Leadership Award. Deadline: November 18, 2016.** The Climate Adaptation Leadership Award for Natural Resources (Award) was established to recognize exemplary leadership by federal, state, tribal, local, and non-governmental entities to reduce climate-related threats and enhance the resilience of the nation's living natural resources (fish, wildlife and plants) and the communities that depend on them. The Award recognizes outstanding leadership by organizations and/or individuals to advance the resilience of living natural

resources in a changing climate by helping address the goals of the National Fish, Wildlife, and Plants Climate Adaptation Strategy. For more information, visit: <https://www.wildlifeadaptationstrategy.gov/award.php>

## **FUNDING OPPORTUNITIES**

**EONS 2016: [Earth System, Technology, and Energy Education for MUREP \(ESTEEM\) \(Minority University Research and Education Project\)](#) for Tribal Colleges and Universities.** NASA's Office of Education's mission is to advance high quality STEM education. Through this solicitation, NASA is strengthening involvement with higher education institutions to ensure that NASA can meet future workforce needs in STEM fields. Participation in NASA projects and research stimulates increasing numbers of students to continue their studies at all levels of the higher education continuum and earn advanced degrees in these critical fields. <https://nspires.nasaprs.com/external/>

**[MUREP for American Indian and Alaskan Native STEM Engagement \(MAIANSE\)](#).** Awards to accredited Tribal Colleges and Universities will be made as cooperative agreements (TCUs must be the lead institution when partnering with other interested parties).

## **JOB OPPORTUNITIES**

**[Affiliated Tribes of Northwest Indians: Job Announcement - Northwest Climate Science Center Tribal Liaison](#).** Applications are due **October 25, 2016**. This full-time professional position serves as the [Department of the Interior Northwest Climate Science Center \(NW CSC\)](#) Tribal Liaison for Native American tribes located in Oregon, Washington, Idaho, and western Montana. The NW CSC is located in Corvallis, Oregon, the duty station for this position. The tribal liaison provides authoritative advice to the NW CSC on tribal issues, and serves as the Region's technical expert on climate change issues, resource vulnerability, and climate adaptation actions as they pertain to Native American tribes. The variety of issues for which the incumbent is responsible is broad, including providing advice on how to best implement the NW CSC Tribal Engagement Strategy. [A full listing of duties, responsibilities and qualifications can be downloaded here](#). Qualified candidates must submit cover letter, résumé, unofficial transcripts (undergraduate, graduate, etc.), and salary history. Incomplete applications may be rated ineligible. **Application instructions:** application materials for this vacancy must be received by 4:00pm Pacific Time, **October 25, 2016**. All necessary materials must be mailed to: Affiliated Tribes of Northwest Indians, Attn: Climate Science Liaison Applicant, 6636 N.E. Sandy Blvd, Portland, Oregon 97213, OR can be e-mailed electronically to [DP@Seventhgenerationllc.com](mailto:DP@Seventhgenerationllc.com). Subject line should include: 'Climate Science Liaison Applicant'. For more information: Contact Don Sampson, ATNI Climate Change Project Director at (541) 215-2753 or via email at [Don@Seventhgenerationllc.com](mailto:Don@Seventhgenerationllc.com).

**[Upper Snake River Tribes – Environmental Program Director Job Announcement](#).** The Environmental Program Director will serve as the lead point person on environmental issues for the USRT Foundation. The Environmental Program Director is responsible for carrying out the environmental policy directives of the member tribes and reports directly to the USRT Executive Director, with assurance to program quality and accountability to advance the long term goals for the USRT Foundation and member tribes. Initiated in 2012, the Environmental Program Director will continue to develop and implement the Environmental Program at USRT. The Environmental Program Director will coordinate existing Environmental Protection Agency (EPA) Indian General Assistance Program (GAP) funded programs amongst USRT's member tribes and co-develop consensus projects with EPA to protect, enhance, and restore cultural and natural resources pursuant to the USRT Charter. Also, in this capacity, the

Environmental Program Director will complete technical reviews and assess impacts of Columbia/Snake River Basin management activities on its member tribes and their rights, resources, and activities. Additionally, USRT began a Climate Change Vulnerability Assessment in 2016 and will develop a Climate Change Adaptation Plan in 2017. In coordination with the USRT Executive Director, the Environmental Program Director will assist in the completion of climate change work and seek funding to complete additional climate change work in future funding years. **How to Apply** Candidates should submit: 1) cover letter outlining their related experience, 2) resume, and 3) contact information for three professional references. Materials may be e-mailed to [info@usrtrf.org](mailto:info@usrtrf.org) or via mail to: USRT Foundation Environmental Program Director Search 413 W. Idaho Street, Suite 101 Boise, ID 83702 **Review of applications begins November 4, 2016** and will remain open until filled. Contact [info@usrtrf.org](mailto:info@usrtrf.org) with additional questions.

**AIHEC Position: Tribal Climate Science Liaison.** Deadline: **November 11, 2016.** This full-time, professional position will provide direct extension support to Tribes and Tribal colleges (TCUs) located in Arizona, Utah, Nevada, and California, the states comprising the service area of the Department of the Interior Southwest Climate Science Center (SW CSC), located on the campus of the University of Arizona in Tucson, AZ. The position will work with the SW CSC to develop and implement a communication, education and outreach program involving Tribal governments, schools and communities focused on supporting climate resilience planning and implementation. Tribal community-based activities to be supported by the climate science liaison include outreach/engagement, education and research associated with mobilizing community response to anticipated environmental, health, and safety impacts of climate change. For more information: [http://www.swcsc.arizona.edu/sites/default/files/TribalClimateScienceLiaison-PositionDescription\\_AIHEC\\_SWCSC.pdf](http://www.swcsc.arizona.edu/sites/default/files/TribalClimateScienceLiaison-PositionDescription_AIHEC_SWCSC.pdf)

**Assistant (Possibly Associate) Professor of Native American Studies.** The Southern Oregon University (SOU) Native American Studies program invites applications for a tenure track faculty position in Native American Studies at the Assistant (possibly Associate) Professor level. The person in this position will demonstrate a strong commitment to undergraduate teaching and mentoring, and will contribute to the development of the Native American Studies program (see <http://www.sou.edu/natam/index.html>). This person should be able to teach the core three-quarter sequence in Native American Studies (NAS 201, 301, and 410) along with other courses to be determined according to the person's areas of interest and program needs. This person's specialization is open, but the program is especially interested in furthering course offerings on topics in language, ecology, and ethnobotany in a way that supports the tribal communities around SOU. This person will be a scholar-practitioner who can advance the program's objectives of furthering Native American Studies across the wider community and of integrating Native American needs and perspectives into teaching, scholarship, and service. <https://jobs.sou.edu/postings/5649>

**AmeriCorps VISTA Volunteer on Climate Change Projects for the Tribal Colleges & Universities/VISTA Program** (AmeriCorps). The Native Climate Resilience Network (NCRN) is a coordinated effort across Tribal communities to identify and plan for local climate change issues. Tribal Colleges and Universities (TCUs) develop site specific projects that integrate traditional, culturally specific ecological knowledge with western science practice in an effort to plan for locally identified climate change issues and to strengthen and develop partnerships with climate change experts. Deadline: TBD <https://environment.uw.edu/wp-content/uploads/2016/05/NCRN-Flyer.pdf>

## [MEDIA AND PUBLICATIONS](#)

**USDA Climate Hub Regional Vulnerability Assessments.** USDA's Regional Climate Hubs were established in February of 2014 to deliver science-based knowledge, practical information, and program support to farmers, ranchers, forest landowners, and resource managers to enable climate-informed decision-making in light of the increased risks and vulnerabilities associated with a changing climate. As part of their function, the Hubs were tasked with providing periodic regional assessments of risk and vulnerability to production sectors and rural economies, building on material provided under the [National Climate Assessment](#) conducted through the [United States Global Change Research Program \(USGCRP\)](#). Throughout 2015, eight regional vulnerability assessments were published representing all of the Climate Hub regions across the country. With the publication of these Vulnerability Assessments, the Regional Climate Hubs are providing their stakeholders with an introduction to the region, regional sensitivities and adaptation strategies for working lands, a greenhouse gas emissions profile with mitigation opportunities, and an overview of how partner USDA agencies are being affected by a changing climate. These vulnerability assessments are an important first step in establishing a baseline "snapshot" of current climate vulnerabilities, and provides region-specific adaptation and mitigation strategies to increase the resilience of working lands in the region. Reports available for download at: <http://www.climatehubs.oce.usda.gov/northwest/regional-assessments>

**New and Improved Resources Help Land Managers Adapt to a Changing Climate** — The Northern Institute of Applied Climate Science and US Forest Service Northern Research Station recently released an updated and expanded edition of *Forest Adaptation Resources: Climate Change Tools and Approaches for Land Managers*. Since its initial release in 2012, the Adaptation Workbook contained in the *Forest Adaptation Resources* has been used by hundreds of public, private, and tribal land managers to incorporate climate change considerations into natural resource management and conservation activities. The new edition serves the entire Midwest and Northeast and contains additional resources to support the development of vulnerability assessments as well as adaptation in urban forests. You can download a copy of the document from [www.nrs.fs.fed.us/pubs/52760](http://www.nrs.fs.fed.us/pubs/52760).

## [UPCOMING EVENTS](#)

**October 20, 2016. 11 am Pacific. Webinar/Seminar, Seattle, WA. Monster Seminar JAM -Indigenous Health Indicators: Connecting human and ecosystem health.** The NWFSC Monster Seminar JAM is a weekly seminar with presentations by Center scientists and guest speakers, and touches on variety of research fields, including landscape ecology, community ecology, genetics, wildlife biology, systematics, marine ecology, conservation biology, population biology and numerical modeling. Demonstrated applications included recovery planning, design of marine protected areas, fisheries management, marine mammal conservation, stock assessment, anthropogenic impacts on terrestrial and aquatic ecosystems, policy and decision making, and sociopolitical and socioeconomic impacts of management actions. [https://www.nwfsc.noaa.gov/news/events/weekly\\_seminars/index.cfm](https://www.nwfsc.noaa.gov/news/events/weekly_seminars/index.cfm)

**October 21, 2016. 12:15 – 1:15 pm. City Club of Portland Friday Forum Committee, Portland, OR.** Inspired by the bold protests of the Standing Rock tribe in North Dakota, [the Club is hosting a discussion focused on environmental justice work led by native communities](#). Moderated by Paul Lumley and featuring Native leaders from an array of backgrounds (Shawn Fleek of OPAL, Direlle Calica of ATNI, and Kathleen George of Grand Ronde Tribal Council) I expect this will be one of our most timely and interesting conversations, with a particular eye toward work that bridges urban and rural Oregon. For

more information or to attend, visit: <https://www.eventbrite.com/e/friday-forum-from-water-rights-to-neighborhood-resilience-native-communities-at-the-forefront-of-tickets-28517449459>.

**October 25, 2016. 4:30 pm Pacific. Sharing Ocean Acidification Resources for Communicators and Educators Webinar Series.** The fall SOARCE (Sharing Ocean Acidification Resources for Communicators and Educators) webinar series will kick off next Tuesday, October 25th, at 7:30pm EST (4:30pm PST) with [Tulio Rossi](#), marine scientist and award-winning communicator, presenting *THE OCEAN ACIDIFICATION STORY*. Good communicators speak the way they want to speak. *Great* communicators speak the way people *listen*. The interesting thing is that people listen in a formulaic way. Join this SOARCE webinar to discover the communication formula that Dr. Tullio Rossi, author of several award-winning animation videos, uses to communicate climate and ocean acidification science. Space for this webinar is limited; reserve here: <https://attendee.gotowebinar.com/register/5315712487759550978>.

**October 26, 2016. Webinar: Accessing Capital for Tribal Energy and Economic Development.** The Office of Indian Energy, in partnership with Western Area Power Administration, is hosting a free webinar entitled "Accessing Capital for Tribal Energy and Economic Development" on Wednesday, Oct. 26, from 11 a.m. to 12:30 p.m. Mountain Daylight Time. Attendees will learn about available financing mechanisms that can be used to make energy efficiency and renewable energy projects economically feasible, including utility community solar models, third-party vendors, green bonds, energy savings performance contracts, and utility energy service contracts. These mechanisms can enable tribes to develop projects with limited to no up-front capital costs, minimizing the need to include project costs in budgets or request congressional appropriations. There is no charge to attend the webinar, but registration is required. [Register for this webinar](#). If you missed one of our webinars, you can listen to and download presentations from [past webinars](#) on our website.

**November 4, 2016. 11 am Pacific. Webinar: [Predicting climate change impacts on big sagebrush populations: Diverse models project similar response to rising temperatures](#).** Healthy big sagebrush habitat is essential for the persistence of many high value conservation species across the western US. To gain confidence in predictions of climate change impacts on existing populations of big sagebrush, we compared output from four modeling approaches, each based on very different data and assumptions. These models largely agree that rising temperatures will decrease sagebrush cover and biomass in the warmest portions of the region, but increase sagebrush in cool locations. Our presentation will discuss the strengths and weaknesses of each modeling approach and synthesize our current understanding of how sagebrush sensitivity to climate change varies across the region.

**November 9-10, 2016. Conference: [2<sup>nd</sup> Annual Native Waters on Arid Lands Tribal Summit](#) Las Vegas, NV.** Offered by the USDA and NIFA. Native Waters on Arid Lands project seeks to build capacity among tribal communities in the Great Basin and American Southwest to enhance climate resiliency of water resources and agriculture. <http://nativewaters-aridlands.com/>

**November 14-16, 2016. [Seventh Annual Northwest Climate Conference](#), Skamania Lodge | Stevenson, WA.** The annual NW Climate Conference is the region's premier opportunity for a cross-disciplinary exchange of knowledge and ideas relating to climate impacts and adaptation. The conference brings together up to 400 researchers, resource managers and policy makers from academia, public agencies, sovereign tribal nations, non-governmental organizations, and the private sector, to share the latest climate science, challenges to infrastructure, industry, environment and communities, and adaptive solutions. For more information on the conference and to access the call for abstracts and special sessions, visit: <http://pnwclimateconference.org/>.

**November 14-17, 2016. [2016 Office of Indian Energy Program Review](#). Denver, CO.** Hosted by the U.S. Department of Energy (DOE) Office of Indian Energy, this annual Program Review is a tremendous opportunity for Indian tribes to meet, learn from other Indian tribes that are pursuing energy self-sufficiency through energy efficiency and/or renewable energy development, and to share in each other's successes. The 2016 Program Review will feature project status updates from tribes across the nation who are leveraging Office of Indian Energy grant funding to deploy energy efficiency and renewable energy technologies, as well as entities that are developing an inter-tribal technical assistance energy network. [Register now](#).

**November 30-December 1, 2016. Ocean Acidification Workshop. *State of the Science*.** [Registration is now open](#). The [Alaska Ocean Acidification Network](#) is hosting a 2-day workshop in Anchorage, inviting a broad audience across the state interested in ocean acidification issues. Location: Anchorage Downtown Marriott. (There will be opportunities for remote participation at satellite viewing sites and via personal computer). Registration: This workshop is free and open to the public. Please register by Nov 7. Topics will include: OA basics, Current monitoring efforts and recent findings, Impacts to marine species, Forecasting ocean acidification, Communication and community engagement, Strategies for adaptation. See full agenda on the workshop information [page](#).

**December 13–14, 2016. Symposium on Climate Displacement, Migration, and Relocation. University of Hawai'i at Mānoa, Honolulu, Hawai'i.** Contact: Maxine Burkett, [burkettm@hawaii.edu](mailto:burkettm@hawaii.edu). The Council on Environmental Quality, in collaboration with the Hawaii and Alaska Sea Grant College Programs, and the William S. Richardson School of Law at the University of Hawai'i Manoa, will host the Symposium on Climate Displacement, Migration, and Relocation December 13-14, 2016. This symposium will provide an opportunity for stakeholders, researchers, policy experts, indigenous leaders, and local, state, and federal government officials to explore legal and policy opportunities and challenges arising from climate displacement. This includes questions about how to plan for and implement voluntary migration and community-led relocation as adaptation strategies to the impacts of climate change, both domestically and in the context of the Pacific Islands. The Pacific Islands Climate Science Center and NOAA Office for Coastal Management are also cosponsors of the symposium. The symposium will address some of the myriad legal and policy questions that arise as a result of climate change-related impacts on human displacement, migration, and relocation—both internal and cross-border—with an emphasis on recent and near term effects on the United States.  
<https://seagrant.uaf.edu/conferences/2016/climate-migration/index.php>

**February 14-16, 2017. Conference: 2017 Climate and Health Summit in Atlanta, Georgia.** The central theme at the Summit will be “Translation of Science to Practice.” We expect participation of experts from academia, federal agencies, and international organizations; practitioners from state/local health departments; and leaders in private foundations engaged in broad-ranging climate and health issues. If you have any questions, please contact [ClimateHealthSummit2017@cdc.gov](mailto:ClimateHealthSummit2017@cdc.gov).

**March 8-10, 2017. [National Environmental Justice Conference and Training Program](#). Washington D.C.**

**May 9-11, 2017. [National Adaptation Forum](#). St. Paul, MN.** The National Adaptation Forum is the gathering of the adaptation minded. Since the Forum is created by and for the members of the adaptation community, the meeting focuses on issues of the day.  
<http://www.nationaladaptationforum.org/>

**May 15, 2017. [Climate-Smart Conservation with Scenario Planning](#). National Conservation Training Center, Shepherdstown, WV.** This five day class is based on two guides: Climate-Smart Conservation: Putting Adaptation Principles into Practice and Considering Multiple Futures: Scenario Planning to Address Uncertainty in Natural Resource Conservation. The first half of the course refers to the climate-smart conservation guidance and is designed to demystify climate adaptation for application to on-the-ground conservation. It will provide guidance in how to carry out adaptation with intentionality, how to manage for change and not just persistence, how to craft climate-informed conservation goals, and how to integrate adaptation into on-going work. For more information, contact Jill Del Vecchio; [jill\\_delvecchio@fws.gov](mailto:jill_delvecchio@fws.gov), (304) 876-7424, [jill\\_delvecchio@fws.gov](mailto:jill_delvecchio@fws.gov).

#### **QUICK LINKS**

- [PNW Tribal Climate Change Project](#)
- [PNW Tribal Climate Change Online Funding Guide](#)
- [BIA Tribal Climate Resilience Program](#)
- [BIA Tribal Climate Resilience Resource Guide](#)
- [Institute for Tribal Environmental Professionals \(ITEP\) Tribes and Climate Change Program](#)
- [Columbia River Intertribal Fish Commission](#)
- [Northwest Indian Fisheries Commission](#)
- [Affiliated Tribes of Northwest Indians](#)
- [Alaska Native Tribal Health Consortium LEO Network](#)
- [U.S. Climate Resilience Toolkit](#)
- [Northwest Climate Science Center](#)
- [North Pacific LCC](#)
- [Great Basin LCC](#)
- [Great Northern LCC](#)
- [USDA Climate Hubs](#)
- [Northwest Climate Hub](#)
- [EPA Climate Change Programs](#)
- [Climate Adaptation Knowledge Exchange](#)
- [USDA Forest Service Climate Change Resource Center](#)

#### **NEWSLETTERS AND CALENDARS**

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