
**Pacific Northwest Tribal Climate Change Network:
Conference Call Notes and Email Bulletin – June 15, 2016**

June 15, 2016 Conference Call Meeting Participants

- Marnie Boardman, WA State Dept. of Health
- Laura Brown, Confederated Tribes of Siletz Indians
- Kelly Coates, Cow Creek Band of Umpqua Indians
- Ron Figler-Barnes, Skokomish Tribe
- Laura Gephart, Columbia River Intertribal Fish Commission
- Eliza Ghitis, Northwest Indian Fisheries Commission
- Ciarra Greene, Wisdom of the Elders
- Margaret Herzog, Bureau of Indian Affairs
- Bennett Hestmark, Quinault Indian Nation
- Lesley Jantarasami, EPA
- Linda Kruger, USDA Forest Service Pacific Northwest Research Station.
- Kathy Lynn, University of Oregon
- Gary Morishima, Quinault Indian Nation
- Don Motanic, Intertribal Timber Council
- Miakah Nix, University of Oregon
- Julia Olson, Our Children’s Trust
- Sam Phillips Port Gamble S’Klallam Tribe
- Holly Prendeville, NW Climate Hub
- David Redhorse, Bureau of Indian Affairs
- Gabrielle Roesch McNally, NW Climate Hub Fellow
- Steven Spencer, Shoalwater Bay Indian Tribe
- Sherry Stout, National Renewable Energy Laboratory
- Kendra White, Cascadia Consulting Group
- Paul Williams, Suquamish Tribe

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Next Conference Call:

Call Date: Wednesday, July 20, 2016
 Call Time: 10:00 am Pacific
 Toll-Free: 888-844-9904
 Access Code: 5064716
 Adobe Connect web meeting: <http://oregonstate.adobeconnect.com/tribalclimate/>

Upcoming PNW TCCP Calls:

- July 20, 2016
- August 17, 2016
- September 21, 2016
- October 19, 2016
- November 16, 2016
- December 21, 2016

Meeting Notes

Youth Climate Litigation (Our Children's Trust)

Our Children's Trust is an Oregon-based nonprofit organization. Their purpose is to protect earth's natural systems for current and future generations. Julia Olson is the Executive Director of OCT and provide information their efforts to support youth in bringing legal action in courts, administrative agencies and local legislative bodies to enforce the Public Trust duty of government to protect natural resources, including the atmosphere, for the benefit of all present and future generations. Julia emphasized that their focus on legal action is a result of the lack of action taken by the Administration and Congress. Julie suggested that as with many movements related to civil rights and social justice, it has taken courts to issue decisions to protect people and their rights.

Julie provided information on a few of the recent legal cases that OCT has brought before state and federal courts. Following is a summary from the Our Children's Trust (available here: <http://ourchildrenstrust.org/Legal>).

Federal Climate Change Lawsuit (<http://ourchildrenstrust.org/US/Federal-Lawsuit>)

From OCT's website: 21 young people from across the United States have filed a landmark constitutional climate change lawsuit against the federal government in the U.S. District Court for the District of Oregon. Also acting as a Plaintiff is world-renowned climate scientist Dr. James E. Hansen, serving as guardian for future generations and his granddaughter. The Complaint asserts that, in causing climate change, the federal government has violated the youngest generation's constitutional rights to life, liberty, property, as well as failed to protect essential public trust resources. The Complaint alleges the Federal Government is violating the youth's constitutional rights by promoting the development and use of fossil fuels. These young Plaintiffs and Dr. Hansen are challenging the federal government's national fossil fuel programs. They seek to hold President Obama and various federal agencies responsible for continued fossil fuel exploitation. The Federal Government has known for decades that fossil fuels are destroying the climate system. No less important than in the Civil Rights cases, Plaintiffs seek a court order requiring the President to immediately implement a national plan to decrease atmospheric concentrations of carbon dioxide ("CO2") to a safe level: 350 ppm by the year 2100. Julia shared that several of the youth plaintiffs are Native American.

The next hearing in the Federal Case is on **September 13, 2016 at 10 am in Eugene, Oregon**. Julia stated that there is a need for from tribal and indigenous communities to bring their voices and concerns before the court. One way tribes can participate is with an Amicus brief, which allows the courts to understand more public perspectives and get more information about the facts. If tribes are interested in preparing an amicus brief, contact Our Children's Trust and they can find an attorney to work with the tribe to prepare an amicus brief. Two other opportunities that Julia mentioned are a need for tribal experts in Oregon to talk about impacts to resources and culture in conjunction with the federal case, and opportunities to submit op-eds and letters to the editor in Oregon papers in advance of the September 13th hearing.

Washington State Lawsuit (<http://ourchildrenstrust.org/state/Washington>)

A complaint was first filed against the Governor's Office in the State of Washington, the Department of Ecology, the Commissioner of Public Lands and the Department of Fisheries and Wildlife and focused on the youths' constitutional rights to have their public trust resources protected, including water, shores, oceans, atmosphere, climate system is inextricably linked to the water resources in Washington State. Since that time, three different opinions have been handed down by the court, and now the Department

of Ecology is in the rulemaking process. The court ordered Department of Ecology to issue a final rule by the end of 2016. The Agency has yet to meet and consult with the youth plaintiffs. That process is ongoing. Julia states that the draft rule is a huge disappointment, as it only reduces emissions by 1% per year across the board, which is inadequate and a violation of young people's rights.

Julia suggested that it is very important for people to participate in the public comment period. Following is information on the Washington State Department of Ecology Website regarding the draft rule and public comment period:

Limiting carbon pollution through the Washington Clean Air Rule

Capping carbon pollution will help slow climate change and limit the projected effects on our state's coastal communities, agricultural industries, and drinking water supplies.

Climate change is the most significant environmental issue of our lifetime, and we need to protect what we have today for future generations. So, we've been focusing our efforts on Washington's first-ever rule to cap and reduce carbon pollution.

We released a new draft of the Clean Air Rule on June 1. DOE is now [accepting comments on the rule](#). In person hearings will take place July 12, 2016 in Spokane, WA and July 14th in Olympia, WA. Webinars will take place **Thursday, June 23, 2016 at 10 a.m.** [Register here](#), **Thursday, July 7, 2016 at 6 p.m.** ([Register here](#)), and **Friday, July 15, 2016 at 10 a.m.** ([Register here](#)). Detailed information about these events and a link to submit comments online is available here: <http://www.ecy.wa.gov/climatechange/engagement.htm>

Gary asked if Our Children's Trust had engaged in the United Nations Climate Change efforts. Julia shared that two youth plaintiffs in the federal case have addressed the UN general assembly. She said that OCT doesn't expend legal time working at that level because there are focused on forcing action at the domestic level, not an international level. OCT does submit briefs in the [Convention on the rights of the child](#), as the U.S. has yet to ratify that treaty. Gary suggested that the UN Youth and Climate Change efforts might be a resource and shared this publication:

<http://www.un.org/esa/socdev/documents/youth/fact-sheets/youth-climatechange.pdf>

Margaret asked if having additional cases and profiles about tribal climate change efforts would be helpful. Following are a summary of links to tribal climate change profiles and case studies:

- Institute for Tribal Environmental Professionals: <http://www7.nau.edu/itep/main/tcc/Tribes/>
- PNW Tribal Climate Change Profiles: <http://tribalclimate.uoregon.edu/tribal-profiles/>
- US Climate Resilience Toolkit Tribal Topics: <https://toolkit.climate.gov/topics/tribal-nations>

A listing of all state lawsuits that have been filed is available here: <http://ourchildrenstrust.org/US/LawsuitStates>.

For more information, visit: ourchildrenstrust.org or contact Julia Olson at: julia@ourchildrenstrust.org

Tribal Climate Resilience Resource Guide

Margaret Herzog with the Bureau of Indian Affairs provided an overview of the new Tribal Climate Resilience Resource Guide. The Tribal Climate Resilience Resource Guide (TCRRG) was developed by federal inter-agency climate and tribal staff facilitated through the [White House Council on Native American Affairs \(WHCNAA\) Climate Subgroup](#). Nationwide Tribal Climate Leaders assisted in usability testing and recommended improvements. The Bureau of Indian Affairs (BIA) [Tribal Climate Resilience Program](#) plays the lead role in system design, and BIA remains the temporary web application host

during the *Candidate I Phase* of development. NOAA, through its **U.S. Climate Resilience Toolkit** efforts, hosts the unbranded landing page entry point at: <http://toolkit.climate.gov/tribal/>. Margaret provided the following key links about the TCRRG:

- 1) **The easiest way to access the [Tribal Climate Resilience Resource Guide](#) is to visit the Indian Affairs homepage: <http://bia.gov/> choose **Category > Climate Change / Tribal Climate Resilience** to jump to the [BIA TCRP homepage](#) at <http://bia.gov/WhoWeAre/BIA/climatechange/>. A new link near the top will take you right to the**
- 2) **[Tribal Climate Resilience Resource Guide Tool version](#) (also new sidebar links up top to [Region](#), [Tribal](#) and [Agency](#) Fact Sheets) which provides a**
- 3) Useful summary orientation and links to the [User Manual and Video Demos](#) and others as they are added.
- 4) You can also simply **bookmark the direct hyperlink** to the landing page at: <http://toolkit.climate.gov/tribal/>

If you have questions or feedback about the guide, contact Margaret at (720) 484-3353 or margaret.herzog@bia.gov. You can also schedule a 1-on-1 discussion with Margaret for an overview focused on federal-wide and intertribal resources for your [Tribe](#), [Tribal College](#), or [Intertribal Group](#) and to add public-access climate plans, case studies, and climate news you'd like to share with others. The BIA is also seeking tribal members and staff to participate in a FY17 redesign and mobile app, as well as, more issues-based/topical focus then

[Building the Capacity of Tribes to Address the Health Impacts of Climate Change](#). Closing Date: July 15, 2016. Lesley Jantarasami with the Environmental Protection Agency shared information about this grant announcement. This notice announces the availability of funds and solicits proposals to enable tribal climate change and health impacts curriculum development and training, web communications, and outreach. The total estimated funding for this competitive opportunity is approximately \$600,000. Lesley shared that this is a cooperative agreement and includes substantial involvement with an EPA program officer. EPA anticipates awarding one to three cooperative agreements from this announcement, subject to availability of funds, the quality of proposals received, and other applicable considerations. Lesley noted that they posted an amendment to their website clarifying that that the period of performance is up to 5 years, so that may impact the annual budget line item. More information is available here: <https://www.epa.gov/grants/building-capacity-tribes-address-health-impacts-climate-change-fy-2016-grant-announcement>. If you have questions, contact: Kevin Rosseel, 202-343-9731, rosseel.kevin@epa.gov.

General Updates

Call for Abstracts Announcement, Seventh Annual Northwest Climate Conference

November 14 - 16, 2016, 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. Abstracts for oral and poster presentations, as well as proposals for special sessions, are due by **11pm on Friday, July 22**. For more information on the conference and to access the call for abstracts and special sessions, visit: <http://pnwclimateconference.org/>.

2016 Climate Adaptation Leadership Award Recipients. The National Fish, Wildlife and Plant Climate Adaptation Strategy announced the seven recipients of the 2016 Climate Adaptation Leadership Awards. The Swinomish Indian Tribal Community received one of these awards for “addressing climate risks by conducting vulnerability assessments, developing adaptation plans, and implementing on-the-ground adaptation for natural and cultural resources in the Pacific Northwest.” For more information, visit: <http://www.wildlifeadaptationstrategy.gov/award-recipients.php>.

EPA's Tribal ecoAmbassadors Program is soliciting grant proposals. Proposal deadline is June 17, 2016. The Tribal ecoAmbassadors Program Request for Proposals (RFP #EPA-OITA-AIEO-2016-001) is designed to assist Tribal Colleges and Universities (TCU) to conduct research on environmental and climate change issues within their campus and tribal communities. With this RFP, the EPA is seeking to award several grants of up to \$50,000 to enable awardees to prepare course curriculum, conduct their research project, select student participants, and identify equipment and materials necessary to successfully complete their science research study within a one academic year time frame. Specific problems that may be addressed include, but are not limited to: climate change mitigation, climate change adaptation, air quality, water quality, and waste management. EPA will be accepting applications for this RFP through **Friday, June 17, 2016**, at 11:59 p.m. Eastern. For a copy of the Tribal ecoAmbassadors Program RFP, visit <https://www.epa.gov/tribal/tribal-ecoambassadors-program>.

2016 California Adaptation Forum Updates. The California Adaptation Forum is taking place September 7-8, 2016 in Long Beach, California. Consider [nominating a tribal leader for the Regional Adaptation Leadership Awards](#). The American Society for Adaptation Professionals (ASAP) is pleased to launch – in partnership with the California Adaptation Forum – its first Regional Adaptation Leadership Award (RALA) competition at the occasion of the 2nd California Adaptation Forum. **The nomination deadline is 5 PM July 1, 2016.** Finally, as part of an effort to highlight frontline communities in climate adaptation, the Forum organizers are creating a "voices of equity and climate justice" webpage to showcase community leaders and share key resources. If you have an equity story to share, or know someone whose work should be shared or if you have particular equity/climate justice resources that we should share, please contact Carrie Metzgar (cmetzgar@civicspark.lgc.org) for details on how to get involved.

Climate Science Centers Re-Competition. The U.S. Geological Survey has released a [Program Announcement via Grants.gov](#) to request applications to host Climate Science Centers (CSCs) in four regions. Access the announcement here: <http://www.grants.gov/web/grants/search-grants.html?keywords=g16as00049>. **Closing Date for Applications: July 19, 2016.** Three of the regions – Alaska, Northwest and Southeast – are re-competitions of the hosting arrangements currently in place in those regions. The program announcement invites proposals to host each CSC (including identification of consortium partners), and to determine if their proposed science, partnership, and program support activities and strategies are appropriate to serve in these roles.

Environmental Justice 2020 Action Agenda. EPA's EJ 2020 Action Agenda will help the Agency to integrate environmental justice into everything we do, cultivate strong partnerships to improve on-the-ground results, and chart a path forward for achieving better environmental outcomes and reducing disparities in the nation's most overburdened communities. Achieving this vision will help to make our vulnerable, environmentally burdened, and economically disadvantaged communities healthier, cleaner and more sustainable places in which to live, work, play and learn. EPA will be accepting public comments on the [draft EJ 2020 Action Agenda](#) until **July 7th, 2016**. This is the second public comment period for EJ 2020. Please submit written comments electronically to: ejstrategy@epa.gov. For more information, visit: <https://www.epa.gov/environmentaljustice/ej-2020-action-agenda>

FEMA's Tribal Multi-Hazard Mitigation Planning Guidance – Public Comment Period 04/26 –

07/08/16 This is a revision of the planning guidance that guides how FEMA interprets regulatory requirements in the review and approval of tribal mitigation plans. The goal of the revision is to address key policy questions and bring it into line with similar FEMA policies that have taken place with state and local mitigation planning. For additional background, please see two fact sheets available on FEMA.gov: [Hazard Mitigation Planning for Indian Tribal Governments](#) and [Updating FEMA's Policy on Tribal Hazard Mitigation Planning](#) To review the 7-page "Key Concepts" document summarizing changes FEMA is considering in updating the policy, please visit: [Tribal Mitigation Plan Review Guide: Key Concepts document](#). Written comments due to tribalconsultation@fema.dhs.gov by **July 8, 2016**.

Job Announcements

Climate Change Specialist, 1854 Treaty Authority. Deadline: July 15th, 2016. The climate change specialist will assist the Resource Management Division in understanding and communicating impacts of climate change to the resources within the 1854 Ceded Territory area of northeastern Minnesota. The position will be responsible for developing a climate change program. Specific duties may include, but are not limited to: implement and update climate change vulnerability assessment and adaptation plan for the 1854 Ceded Territory; develop and implement monitoring plan to assess impacts of climate change on resources; assist with fish, wildlife, and plant population assessments; summarize available climate data; conduct air quality and meteorological monitoring; track phenology of key species; complete monitoring for water temperatures and depths at important resource areas; assist with monitoring of water quality; assist with monitoring and control for invasive species; conduct outreach and education relating to climate change and impacts to resources; coordinate with other agencies and initiatives; consult on planning and permitting of projects; prepare written work plans and reports; obtain grants and complete grant management activities; assist in planning and development of program activities. For more information, [click here](#).

Oregon Health Authority Climate Change Communications VISTA Position. Applications due July 8, 2016. The Oregon Health Authority is seeking a new AmeriCorps VISTA to join their Climate and Health Team in September? This is an "Outreach Coordinator" position that will assist us with stakeholder engagement and serve as a lead event coordinator. You can find the position listed here: <https://my.americorps.gov/mp/listing/viewListing.do?id=67627&fromSearch=true>

National Climate Change and Wildlife Science Center 2017 Science to Action Fellowship. Applications accepted on a rolling basis. The USGS National Climate Change and Wildlife Science Center (NCCWSC) is accepting Statements of Interest for the 2017 Science to Action Fellowship! The Science to Action Fellowship is provided through a partnership between the USGS National Climate Change and Wildlife Science Center (NCCWSC) and Michigan State University (MSU). The program supports graduate students in developing a product that puts science into action, directly applying scientific research related to climate change impacts on fish, wildlife, or ecosystems to decision making about natural resources. Statements of Interest (reviewed on a rolling basis) will serve as means for identifying interested applicants and pairing them with a NCCWSC mentor to co-develop a project proposal. For more information, visit: <https://nccwsc.usgs.gov/science-action-fellowship>

Glacier Two Medicine Alliance Executive Director Position. Position will remain open until filled. The Glacier Two Medicine Alliance is “Dedicated to the protection, stewardship, and shared enjoyment of the culturally-and ecologically-irreplaceable wildlands of the Badger-Two Medicine and its interconnected ecosystems.” The Executive Director (ED) will support and fulfill the mission of the organization. The ED is responsible for all aspects of programmatic work while building support for lease cancellation and permanent protection of the Badger-Two Medicine area. The ED is also responsible for public relations, position/policy development, fundraising, board relations and membership recruitment within the region. For more information, visit: <http://www.glaciertwomedicine.org>.

Media and Publications

[EPA released eight new climate change and health fact sheets.](#) Understanding the threats that climate change poses to human health can help us work together to lower risks and be prepared. Climate change threatens human health, including mental health, and access to clean air, safe drinking water, nutritious food, and shelter. The fact sheets provided by EPA highlight the health impacts of climate change at different stages of life and for certain populations of concern. [Fact Sheets can be found here.](#)

[NPLCC Conservation Planning Atlas Showcases Transboundary Climate-Connectivity Project Final Products.](#) A 2012 project led by Conservation Northwest and University of Washington has been progressing over the past years to identify potential climate impacts on wildlife habitat connectivity in the transboundary region of Washington and British Columbia.

[2016 Chugach Regional Resources Commission Climate Change Workshop Outcomes.](#) CRRC has been working on climate change-related issues as they affect tribal lands, communities, and the subsistence resources upon which the Tribes depend. Currently, tribes do not have a strong connection to the research of the climate science community in spite of their vulnerability to climate change impacts. As such, CRRC has been identifying and addressing climate needs relative to understudied resources of high cultural value to serviced tribes and traditional knowledge. On March 18, 2016, Chugach Regional Resources Commission (CRRC) held its first annual climate change workshop in Anchorage Alaska. The report on the workshop outcomes is available [here](#).

NorWeST update: Statewide California stream temperature database & scenarios now available online. The stream temperature database and scenarios for the Central Valley & remaining parts of California are now available on the [NorWeST website](#). The data comes from 2,663 sites that were contributed by biologists and hydrologists working for 15 state, federal, tribal, university, and private resource organizations. <http://www.fs.fed.us/rm/boise/AWAE/projects/NorWeST.html>

Armatas, C. A., T. J. Venn, B. B. McBride, A. E. Watson, and S. J. Carver. 2016. Opportunities to utilize traditional phenological knowledge to support adaptive management of social-ecological systems vulnerable to changes in climate and fire regimes. *Ecology and Society* 21(1):16. Our objective is to contribute to the limited literature that describes the benefits of better integrating indigenous knowledge (IK) with other sources of knowledge in making adaptive-management decisions. Specifically, we advocate the integration of traditional phenological knowledge (TPK), a subset of IK, and highlight opportunities for this knowledge to support policy and practice of adaptive management with reference to policy and practice of adapting to uncharacteristic fire regimes and climate change in the western United States. <http://www.ecologyandsociety.org/vol21/iss1/art16/>

Introduction to the Skagit Issue—From Glaciers to Estuary: Assessing Climate Change Impacts on the Skagit River Basin. Rybczyk, John M., Alan F. Hamlet, Carol MacIlroy, and Larry Wasserman.

"Introduction to the Skagit Issue-From Glaciers to Estuary: Assessing Climate Change Impacts on the Skagit River Basin." *Northwest Science* 90, no. 1 (2016): 1-4.

<http://www.bioone.org/doi/abs/10.3955/046.090.0102>

Baseline and Projected Future Carbon Storage and Greenhouse-Gas Fluxes in Ecosystems of Alaska.

Edited by Zhiliang Zhu and A. David McGuire. <http://pubs.usgs.gov/pp/1826/pp1826.pdf>

NW Climate Science Digest. The Northwest Climate Science Digest is a monthly newsletter jointly produced by the [Northwest Climate Science Center](#) and the [North Pacific Landscape Conservation Cooperative](#) aimed at helping you stay informed about climate change science and upcoming events and training opportunities relevant to your conservation work. To read the monthly digests, visit:

<https://www.nwclimatescience.org/climate-science-digest>

Science Applications. Online learning management system building capacity for science delivery.

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

UN Consultations Regarding Participation of Indigenous Peoples at the United Nations. The consultation process on enhancing the participation of Indigenous peoples at the United Nations on issues affecting them continues until June 30, 2106.

<https://www.un.org/development/desa/indigenouspeoples/participation-of-indigenous-peoples-at-the-united-nations.html>

Upcoming Events

June 16, 2016. 10 am Pacific. Webinar: [Pacific Northwest Coast Landscape Conservation Design](#). The North Pacific Landscape Conservation Cooperative and US Fish and Wildlife Service Region 1 has initiated a Landscape Conservation Design initiative for the Lower Columbia River and adjacent coastal shoreline – “**Blueprint for a Climate-Resilient Landscape.**” In this webinar, The Initial Team members of the Pacific Northwest Coast LCD will provide a status update and key next steps. Register here:

<https://attendee.gotowebinar.com/register/7537299917644536580>

June 16, 2016. Overview of Remote Sensing for Wildfire Applications. [Using NASA Remote Sensing for Disaster Management](#). NASA remote sensing and modeling resources are useful for managing a variety of disasters - including earthquakes, tsunamis, volcanoes, floods, landslides, wildfires, and oil spills - particularly in regions with very little in situ data. This introductory webinar will provide an overview of NASA remote sensing data and applications for disaster management. For more or visit this [training's webpage here](#).

June 16, 2016. 10:00 am Pacific. Webinar: National Wetland Condition Assessment. Offered by the EPA's Watershed Academy. This webinar will focus on EPA's National Condition Assessment 2011 report.

<https://www.epa.gov/watershedacademy/watershed-academy-webcast-seminars>

June 18-19, 2016. Enduring Legacies Native Cases Summer Institute, The Evergreen State College. The Summer Institute of the Enduring Legacies Native Cases Initiative will build on more than ten years of work developing teaching interdisciplinary case studies on significant issues in Indian Country and offering workshops for educators to network and learn how to use the cases in their classes. Our

interdisciplinary collection of cases covers a wide range of topics applicable to all academic fields. Problem-based learning, place-based learning and collaborative learning are the cornerstones of our approach. <http://nativecases.evergreen.edu/workshops.html>

June 19-25, 2016. Tribal Climate Camp. University of Idaho. McCall Field Campus. The Affiliated Tribes of Northwest Indians (ATNI), Institute for Tribal Government (ITG), United South and Eastern Tribes (USET), and the Department of the Interior's (USDI) Northwest Climate Science Center (NW CSC) and Bureau of Indian Affairs (BIA) are collaborating to offer The Tribal Climate Camp (TTCC) to support teams of tribal leaders, climate change coordinators, planners, and program managers to build skills, gather information, and develop tribal policy needed to address climate change impacts. For tribes who are interested in knowing more about the program, contact Kyle Whyte at kylewhyte@gmail.com, Arwen Bird at: nwclimatecamp@gmail.com or Steve Daley-Larsen at stevendl@uidaho.edu.

June 21, 2016. 11:00 am Pacific. Webinar: [2017 Climate Leadership Awards: A Webinar Review of Categories, Eligibility, Criteria, and the Application Process](#). The 2017 Climate Leadership Awards application period will open on June 22, 2016. In this informative webinar, organizers will discuss what's new this year and how your organization can be a competitive applicant for this prestigious recognition program. EPA and its NGO partners — The Climate Registry and Center for Climate and Energy Solutions — will provide critical information related to eligibility, evaluation criteria, and application content for each of the award categories, as well as answer questions. Climate Leadership Award recipients are recognized for demonstrating exemplary leadership in response to climate change. [View past recipients](#) and [register here](#).

June 21, 2016. 12:00 pm Pacific. Webinar: Understanding Water Availability Across Landscapes in a Time of Increasing Drought. This webinar will highlight the framework and early results from a new initiative to address this fundamental information gap: WATR (Water Availability and Thermal Regimes). The WATR effort was initiated in the Great Basin of the western United States where limited water availability influences a host of sensitive species ranging from native trout to greater sage-grouse. With establishment of the WATR effort in the Great Basin, Jason Dunham and his colleagues are hoping to motivate additional efforts in other regions of the Nation to better understand water availability at the landscape extent. Join the webinar to learn more about the initiative! This research initiative is supported by the National Climate Change and Wildlife Science Center through the project, [River's End: Drought-Related Influences on Stream Drying in the Western United States](#). <https://nccwsc.usgs.gov/webinar/water-dunham>

June 22, 2016. 10:00 am Pacific. Webinar: National Adaptation Forum Webinar: The State of Climate Change Adaptation in Water Resources of the SE United States & U.S. Caribbean. Offered by the National Adaptation Forum. Learn about climate adaptation activities in the Southeast United States, focusing on water resources in 11 states in the Southeast including- Alabama, Louisiana, Georgia, Mississippi, Tennessee, Kentucky, South Carolina, North Carolina, Virginia, Arkansas, and Florida - as well as Puerto Rico and the U.S. Virgin Islands. <https://attendeegotowebinar.com/register/4234574795010053633>

June 23, 2016. 10 am Pacific. Webinar: The Integrated Scenarios webpage's data and visualization tools. The Integrated Scenarios (IS) of the Future Northwest Environment project resulted in several datasets describing projected changes in climate, hydrology and vegetation for the 21st century over the Northwestern US. At the conclusion of the project in 2014, it was recognized that data users would be challenged to use the data due to 1) the size of the datasets (~20TB), 2) the unfamiliar netCDF file

format and 3) the unfamiliarity of analysis of climate model data . To address these issues, a webpage was created to provide 1) information on and guidance for using the data, 2) data extraction tools, and 3) visualization tools all with the aim of increasing the usage of the IS data. This presentation will present the data/visualization tools on the webpage: <http://climate.nkn.uidaho.edu/IntegratedScenarios>. Register here: <https://attendee.gotowebinar.com/register/5663140566815495428>.

June 23, 2016. Observing Oil Spills Using Remote Sensing Measurements. [Using NASA Remote Sensing for Disaster Management](#). Course Dates: Four 1-hour sessions, each Thursday from June 9 to June 30. There will be two identical sessions held each training date in order to allow for international participation: Session (A) at 11:00 am and Session (B) at 6:00 pm Eastern Daylight Time, EDT (US and Canada) (-4:00 UTC). Course Description: NASA remote sensing and modeling resources are useful for managing a variety of disasters - including earthquakes, tsunamis, volcanoes, floods, landslides, wildfires, and oil spills - particularly in regions with very little in situ data. This introductory webinar will provide an overview of NASA remote sensing data and applications for disaster management. Learning Objective: Participants will become aware of available NASA resources for disaster management, and will learn to access remote sensing observations using covered web tools for local disaster events. Prerequisites: [Fundamentals of Remote Sensing: Session 1](#) and an associated Homework Assignment, due June 13. Intended Audience: National and international entities involved in disaster and water resources management, decision support activities, and relief and humanitarian activities. **For more or visit this [training's webpage here](#).**

June 24, 2016. 9:00 am – 12:30 pm. The Winds of Change? Exploring Climate Change-Driven Migration and Related Impacts in the Pacific Northwest. Billy Frank Conference Center, Ecotrust, 721 NW 9th Avenue, Portland OR 97209. <https://cig.uw.edu/news-and-events/events/migration-symposium/> Climate change is expected to have significant impacts on the PNW's communities, economy, and natural systems. At the same time, some have suggested that the Northwest may become home for people seeking refuge from climate change impacts in other regions of the U.S. The growing speculation about climate change-driven migration to the Northwest has led many in the public sector to ask if long-term planning decisions related to transportation, utilities, land use planning, and other public services need to incorporate the potential for climate change-driven migration, and if so, what those scenarios would look like. However, a scarcity of regionally-specific research on this question provides limited guidance on how to best answer these questions. To help inform discussion on this issue, and to provide guidance to decision makers, the UW Climate Impacts Group and Portland State University's Population Research Center and Institute of Portland Metropolitan Studies are hosting a symposium exploring the question of climate change-driven migration to the Pacific Northwest and its implications for long-range planning. More information on the symposium is available [here](#) and in the attached flyer. Due to limited space, [registration is required](#) by June 21, 2016.

June 28-29, 2016. State of Resilience Leadership Forum and Community Workshop. Washington, DC. Across the nation, innovative programs are showing exciting progress at building resilient communities. Now is a great time to take stock of these programs at federal, state and local levels. At the ResilientAmerica Roundtable, we strive to help communities build resilience to extreme events, save lives and reduce the social and economic costs of disasters. Our aim is to engender an interactive space in which leaders from across the nation can share their successes and challenges as we all strive to build resilience in our communities and around the country. Join The ResilientAmerica Roundtable on June 28 for The State of Resilience Leadership Forum. This event will feature three armchair discussions among noted leaders in the resilience movement, each moderated by National Public Radio's Andrea

Seabrook. FEMA Administrator Craig Fugate and Rockefeller's 100 Resilient Cities President Michael Berkowitz will be among the discussants. Register [here](#).

June 29, 2016. 10:30 am Pacific. Four Part Webinar Series on Health Impacts of Climate Change: Climate Changes Mental Health. American Public Health Association (APHA) and ecoAmerica are proud to co-sponsor a four-part webinar series investigating the health impacts of climate change. The series explores the connection between climate change and key areas of our health: allergies and asthma; health risks in children; mental health; and transportation and healthy community design as a mitigation approach. [Register](#) here.

June 30, 2016. Monitoring Storms, Floods, and Landslides Using Remote Sensing Observations. Using NASA Remote Sensing for Disaster Management. Course Dates: Four 1-hour sessions, each Thursday from June 9 to June 30. There will be two identical sessions held each training date in order to allow for international participation: Session (A) at 11:00 am and Session (B) at 6:00 pm Eastern Daylight Time, EDT (US and Canada) (-4:00 UTC). Course Description: NASA remote sensing and modeling resources are useful for managing a variety of disasters - including earthquakes, tsunamis, volcanoes, floods, landslides, wildfires, and oil spills - particularly in regions with very little in situ data. This introductory webinar will provide an overview of NASA remote sensing data and applications for disaster management. Learning Objective: Participants will become aware of available NASA resources for disaster management, and will learn to access remote sensing observations using covered web tools for local disaster events. Prerequisites: [Fundamentals of Remote Sensing: Session 1](#) and an associated Homework Assignment, due June 13. Intended Audience: National and international entities involved in disaster and water resources management, decision support activities, and relief and humanitarian activities. **For more or visit this [training's webpage here](#).**

June 30-July 2, 2016. Training: Climate Education Regional Workshop. Boulder, CO. Offered by the NOAA Climate Stewards Education Project. This two day workshop will provide a tools for formal and informal educators working with elementary through university age students with sustained professional development to build a climate-literate audience.

https://docs.google.com/forms/d/1paDR_iAxyBODTyKulcosZYLt0bJCeFih6mZijEhS6EI/viewform

July 7, 2016. 10 am Pacific. Webinar: [An applied case study to integrate climate change into design and permitting of water crossing structures](#). Viable, self-sustaining salmon populations depend upon unobstructed passage to and from spawning and rearing habitats. When culvert size relative to stream size is too small, the result is often a barrier to fish movement. Climate change models project significant increases in stream flows in much of Washington but climate change information is rarely incorporated into culvert design. The Washington Department of Fish & Wildlife (WDFW) has regulatory authority over most culvert and bridge projects in Washington State. Currently, WDFW's design guidelines do not incorporate future climate-related changes and impacts. This project translates projected future changes in regional climate to stream width, a key parameter for fish passage culvert design and sizing.

July 11 -15, 2016. [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, (304) 876-7424, jill_delvecchio@fws.gov.

July 12-14, 2016. ITEP *Climate Change Adaptation Planning*. Red Cliff, WI. The Institute for Tribal Environmental Professionals (ITEP) will be offering a *Climate Change Adaptation Planning* course on July 12-14, 2016, in Red Cliff, WI. The course provides an introduction 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. Since the course will focus on climate change impacts in the Great Lakes, we especially encourage people from that region to attend. If you are interested in applying for this course, please fill out the application form and release form and fax them to our office. Space is limited, so please be sure to get your application in as soon as possible. ITEP will be paying lodging costs and reimbursing per diem for up to 22 tribal participants. All participants are responsible for their own transportation costs (airfare, taxis, shuttle service, mileage, etc.). For more information, contact Nikki Cooley at Nikki.Cooley@nau.edu.

July 29, 2016. 12:00 pm Pacific. Webinar: A Collaboration with Rural Alaskans: The Driftwood Harvest in a Changing Climate. This study examined flood events in the Yukon River with the goal of understanding how actual or perceived changes in driftwood availability are related to river hydrology and how future changes in hydrology may affect the driftwood harvest. To register, [click here](#).

July 28-29, 2016. Oregon's Clean Electricity and Coal Transition Plan. Portland, OR Oregon Convention Center (or via webcast). For more information, visit: <http://www.stoel.com/lsi-oregons-clean-electricity-and-coal-transition-plan>. For a complete agenda: <http://lawseminars.com/detail.php?SeminarCode=16RENUOR>.

August 2-4, 2016. ITEP Training: Climate Change Adaptation Planning, Billings, MT. Offered by the Institute for Tribal Environmental Professionals (ITEP). The course provides an introduction to planning for climate change impacts, including identifying impacts, vulnerabilities, and adaptation strategies; and tools, resources, and partnerships. The course is intended for tribal environmental and natural resource professionals and other tribal staff who expect to be involved in climate change adaptation planning within the southwest region. http://www7.nau.edu/itep/main/Training/training_cc

August 3-4, 2016. Training: Climate Education Regional Workshop: Rising Tides and Changing Times, Charleston, SC. Offered by the NOAA Climate Stewards Education Project. This two day workshop will provide tools for formal and informal educators working with elementary through university age students with sustained professional development to build a climate-literate audience. https://docs.google.com/forms/d/1IEkuKHcz-rwPI7s5k_Ldx-wUrzpepvGNOAx-lfkI5mQ/viewform

August 15-18, 2016. ITEP Conference: 2016 Tribal Lands & Environment Forum, Mohegan Sun Resort. Offered by the Institute for Tribal Environmental Professionals (ITEP). Once again, the forum will feature special trainings, field trips, and breakout sessions focused on solid/hazardous waste management, brownfields, UST/LUSTs, Superfund sites, and emergency response. This will also be the second time we include breakout sessions, trainings and field trips related to tribal water programs – water quality, drinking water, and habitat restoration (including wetlands, streams and fisheries). http://www7.nau.edu/itep/main/Conferences/confr_tlef

September 6, 2016. Conference: [California Climate Change Symposium](#), Long Beach, CA. Offered by California Natural Resources Agency, CalEPA and Governor's Office of Planning. Goals are to: 1) facilitate the production, adoption and application of climate science with respect to California policy and local governance; 2) Provide a forum for sharing recent science and practical applications relevant to climate change impacts and vulnerability; 3) Foster the translation of regional climate change research into policy solutions; 4) Expand support for climate science research with applications to California's environment, public health and economy; and 5) Facilitate collaboration across scientific research fields and public policy silos. <http://www.californiascience.org/>

September 7-8, 2016. [California Adaptation Forum](#). Long Beach, California. The 2016 California Adaptation Forum will feature: A series of plenaries with high-level government, business and community leaders, A variety of breakout sessions on essential adaptation topics that reflect the diverse needs and challenges facing California, Regional project tours highlighting adaptation efforts in Southern California, Pre-forum workshops on tools and strategies for implementing adaptation solutions, and Numerous networking opportunities where participants can share insights, best practices and lessons learned about how to most effectively respond. <http://www.californiaadaptationforum.org/>

September 13-15, 2016. ITEP Training: Climate Change Adaptation Planning, Nebraska City, NE. Offered by the Institute for Tribal Environmental Professionals (ITEP). The course provides an introduction to planning for climate change impacts, including identifying impacts, vulnerabilities, and adaptation strategies; and tools, resources, and partnerships. The course is intended for tribal environmental and natural resource professionals and other tribal staff who expect to be involved in climate change adaptation planning within the southwest region. http://www7.nau.edu/itep/main/Training/training_cc

September 21-22, 2016. 4th Annual International Conference on Sustainable Development. New York, NY. This year's conference theme is Moving Forward: The SDGs in Practice, with sub-themes on Low Carbon Urban Development and Disaster Resiliency & Adaptation. The deadline to register is September 1, 2016. www.ic-sd.org.

September 26-27, 2016. The First Annual Conference on Native American Nutrition, Prior Lake, MN. This conference presents a first-of-its-kind opportunity to share knowledge which can lead to improved nutritional outcomes within Native communities. Tribal leaders, Native and non-Native practitioners, researchers, public health experts, and others are invited to exchange Indigenous and academic scientific knowledge; discuss current practices; listen to, connect with, and learn from each other; and candidly explore ways to overcome the existing obstacles to greater understanding. Additionally, the conference aims to identify new areas of potential research, practical application, advocacy, and collaboration on Native dietary health and food systems. The registration fee covers attendance at all sessions and meals during the two-day conference. For more information, visit: <https://www.eventbrite.com/e/first-annual-conference-on-native-american-nutrition-tickets-24912577189>

September 28-29, 2016. Washington State 2016 Tribal State Transportation Conference. Suquamish, WA. Join us at our biennial conference where tribal, state and federal transportation officials will discuss and learn about transportation issues within Washington State. <http://www.wsdot.wa.gov/tribal/2016Conference.htm>

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. Abstracts for oral and poster presentations, as well as proposals for special sessions, are due by **11pm on Friday, July 22**. For more information on the conference and to access the call for abstracts and special sessions, visit: <http://pnwclimateconference.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, (304) 876-7424, jill_delvecchio@fws.gov.

QUICK LINKS

- [PNW Tribal Climate Change Project & Online Funding 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](#)