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## Pacific Northwest Tribal Climate Change Network: Draft Conference Call Notes – May 18, 2016

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### Call Participants:

- Mike Cox, Environmental Protection Agency Region 10
- Laura Gephart, Columbia River Intertribal Fish Commission
- Eliza Ghitis, Northwest Indian Fisheries Commission
- Dawn Grebner, Naval Undersea Warfare Center
- George Hart, Navy Region NW
- Jennie Hoffman, Adaptation Insight
- Linda Kruger, USDA FS PNWRS
- Jen Lennon, Sauk Suiattle Tribe
- Kathy Lynn, University of Oregon
- Amelia Marchand, Confederated Tribes of the Colville Reservation
- Noel Plemmons, PSU Grad Student
- Gary Morishima, Quinault Indian Nation
- Cer Scott, Central Council of the Tlingit & Haida Indian Tribes of Alaska
- Steve Spencer, Shoalwater Bay Tribe
- Jonalee Squeochs, Yakama Indian Nation
- Carson Viles, University of Oregon
- Melissa Watkinson, Nature Conservancy
- Kevin Zerbe, Cascadia Consulting

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### Upcoming PNW Tribal Climate Change Network Conference Call Dates

- June 15, 2016
- July 20, 2016
- August 17, 2016
- September 21, 2016
- October 19, 2016
- November 16, 2016
- December 21, 2016

#### Call-in Information:

- Call Time: 10:00 am Pacific
- Call-in #: 1-888-844-9904
- Pass code: 5064716

Adobe Connect web

meeting: <http://oregonstate.adobeconnect.com/tribalclimate/>

## Meeting Notes

### **UNDRIP, Participation of Indigenous Peoples at the United Nations and WIPO**

Preston Hardison of the Tulalip Tribes discussed ongoing issues surrounding Indigenous peoples' rights and traditional knowledges in international forums. He discussed the United Nations Declarations of the Rights of Indigenous Peoples (UNDRIP), and an ongoing negotiation in the World Intellectual Property Organization (WIPO) about intellectual property rights and traditional knowledges. As part of the WIPO talks, the US Patent and Trademark Office (USPTO) is requesting information from tribes through the Federal Register. This action does not constitute a proper consultation, and may have serious implications for the future protection of traditional knowledges. Below is a summary of his talk, including a call to send resolutions to the USPTO to hold formal consultations about these issues.

#### [United Nations Declarations of the Rights of Indigenous Peoples \(UNDRIP\)](#)

During the May 10<sup>th</sup> UN Permanent Forum on Indigenous Issues, Canada moved from being a supporter of the Declaration to a full signer (i.e. dropped their aspirational status). This is an extremely important step by Canada, one that hopefully will be duplicated by the United States. However, the concept of Free, Prior and Informed Consent has been a major sticking point for the US in agreeing to sign on to UNDRIP in full. FPIC applies to sovereigns and acknowledges the rights of Indigenous communities to make decisions on a nation-to-nation basis, without coercion or misinformation.

During hearings over UNDRIP in the mid-2000s, the DOI announced their policy that tribes have sovereign rights over cultural heritage, both tangible and intangible forms. In other words, there is existing US policy that conflicts with current USPTO efforts detailed below.

#### [World Intellectual Property Organization \(WIPO\) Federal Register Notice](#)

Since 2000, there have been discussions going on at WIPO about how to draft new law surrounding the treatment of traditional knowledges, Traditional Cultural Expressions, and Intellectual Property. Much of this law is based on individual rights to knowledge as most important, and on the idea that traditional knowledges are largely in the public domain. WIPO and the US Patent and Trademark Office (USPTO) are currently taking the stance that the burden falls on Indigenous peoples to prove that they own their knowledge, and that they are taking steps to protect it. If not addressed, these stances could be codified into international treaties and laws.

US has also taken a stance to support massive databases of TKs, specifically the development of databases private knowledge for the use of patent offices to discern what knowledge tribal people have a "legal" claim to. Preston noted several concerns, including: 1) once you create a database, how do you make it private? 2) Indigenous peoples' have a right to FPIC with sensitive knowledge sharing (their knowledges' protection shouldn't be contingent on having it in a database). 3) FOIA requests would mean these databases would not be private; the US public has rights to access data that tax dollars pay for. 4) Hacking could endanger valuable and sensitive knowledge held in databases.

By focusing on databases, one puts the burden on Indigenous peoples to prove they own their knowledge in patent cases. There is an alternative idea that the Tulalip Tribes and others are advocating for, it is called "Disclosure of Origin." Disclosure of Origin puts the burden on those applying for patents by requiring them to show how they acquired the TKs that they are working with. Essentially, they must prove that they acquired such knowledge with FPIC of Indigenous knowledge holders. This concept relies on earlier international precedent, including the 1992 Convention on Biological Diversity, and 2010 Nagoya Protocol.

- In 1992 Convention on Biological Diversity (CBD) said that no genetic resources are the property of nation-states. They set the rules on benefit-sharing. The US has signed onto the CBD, but has not ratified it (similar situation to UNDRIP).
- In, 2010 Nagoya Protocol was passed. It reinforced this earlier logic—nations who want to use other nations’ genetic resources must get their permission. The Protocol acknowledges the rights of Indigenous peoples to FPIC (including when dealing with genetic resources). The US has not signed or ratified the Nagoya Protocol.

*US Patent and Trademark Office—Requesting Information from Tribes through Federal Register*

The USPTO is current seeking input on issues of genetic resources through the Federal Register. This input will be used in their negotiations. In the Federal Register notice, the USPTO is also questioning the UNDRIP, advocating for the application of individual rights (and elevated importance of these over collective rights over Indigenous peoples), and implying that the majority of TKs is public domain.

Tribes never relinquished their rights to genetic resources, or had them abrogated. The USPTO seeks input about the process of reviewing patents. Currently, in order to keep from issuing a patent, the USPTO must find either 1) knowledge is already known in public domain, or 2) it is someone else’s property. They are attempting to fit TKs into this current system. Disclosure of Origin is one potential solution to this problem—it is being advocated for by the Tulalip Tribes and others.

On separate occasions, The USPTO has also attempted to introduce language to UN Permanent Forum on Indigenous Peoples to re-define “misappropriate”, and allow information to be appropriated when it has been reverse-engineered, or when it has been published in a journal it is public domain, or if Indigenous peoples have not taken steps to protect their knowledge. The Tulalip Tribes and others are speaking to the contrary, noting that published knowledge denotes ownership, and does not relinquish it, and that require tribes to prove that they are protecting individual pieces of knowledge places an undue burden on them. Furthermore, WIPO’s stance does not account for traditional methods of protecting knowledge.

*Tulalip Tribes Seek Support in Sending Resolutions to the US Patent and Trademark Office*

Tulalip Tribes have passed a resolution and created a template for others who wish to respond to Federal Register. They have decided that since the Federal Register does not constitute a government-to-government exchange, and is not consultation, that they must inform USPTO that their current actions are 1) not a proper form of consultation, and 2) tribes have never surrendered their jurisdiction over traditional knowledges. They are looking for tribal leaders who would like to have formal consultation meetings on these issues.

**Comments are due NEXT MONDAY May 23rd!** The letter and resolution are attached with our meeting notes. Please work with tribal leaders in your community to make any edits you see fit, and send a resolution to the USPTO. For more information on the Federal Register Notice and how to submit comments, visit: <https://www.federalregister.gov/articles/2016/03/24/2016-06681/request-for-information-related-to-intellectual-property-genetic-resources-and-associated>.

*Moving Forward—Threats to Traditional Knowledges in International Forums*

Preston also took a moment to advocate that Tribal leaders step forward on this issue. The USPTO is trying to get access to traditional knowledges both domestically and abroad. The USPTO is more

concerned with individual knowledge than TKs. There are 2-3 more years left in negotiating this treaty, and tribes must move to effect change in this process.

There are some insane arguments being made (e.g. as soon as tribal knowledge leaves the reservation, it is public domain) by delegates to these WIPO negotiations. The Tulalip Tribes are trying to build momentum to counter this.

#### *Discussion with TCCN*

Several people asked Preston about who he has contacted, and who is aware of the issue. Preston noted that he has contact NCAI, ATNI and individual tribal leaders across the US. They have also contacted the Whitehouse on multiple occasions to request consultation, as well as the Dept. of Commerce.

Amelia recommended enlisting the aid of the Advisory Council on Historic Preservation to assist UPSTO in understanding its consultation responsibility. Preston noted his frustration with the negotiations—in 16 years the USPTO has never consulted tribes. Their first time out, they use the Federal Register, which is improper. This is a chance to make sure that further consultation will occur in a proper manner.

#### *Indigenous Peoples' Participation at the UN*

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

Preston touched on current UN processes for involving Indigenous peoples in meetings and forums. The current UN process is an expert mechanism for accreditation: Indigenous peoples are labeled as experts and gain access this way. Currently there is no differentiation between those people and those representing tribes/sovereign indigenous governments. There is a move to create another category to be credentialed as representative of Indigenous governments—this is tricky because not all Indigenous people have recognized governments, and some tribal organizations (NCAI) have stronger representative authority, but are not official representatives of every tribe in the organization without expressed consent.

For more information, contact Preston Hardison at: [prestonh@comcast.net](mailto:prestonh@comcast.net)

## **JOB ANNOUNCEMENTS**

### **Affiliated Tribes of Northwest Indians - Climate Change Research Internships.**

3 Climate Change Research Internship Positions between June-September, 2016 (13 weeks – start and end dates to be negotiated). **Deadline for Applications is May 31, 2016!** \$15.00/hour

- 1 Position - BIA Regional Office, Portland, OR
- 1 Position - ATNI/UCUT Office, Portland, OR
- 1 Position - ATNI Office, Spokane, WA

Candidates will be considered from a range of academic backgrounds including but not limited to politics, public affairs, social policy, legal, engineering, environmental science, environmental management, or similar degree. Candidates must currently be enrolled in graduate or undergraduate degree programs. To Apply Submit a cover letter, Resume and 3 references to Don Sampson, ATNI Climate Project Coordinator at [DP@Seventhgenerationllc.com](mailto:DP@Seventhgenerationllc.com). A complete position description is posted here: <https://blogs.uoregon.edu/tribalclimate/files/2010/11/Clim-Chng-Research-Intern-Job-Descrip-5-13-16-1vckxut.pdf>.

**Affiliated Tribes of Northwest Indians - Climate Change Management Internship.**

4 Climate Change Research Internship Positions between June-September, 2016 (13 weeks – start and end dates to be negotiated). **Deadline for Applications is May 31, 2016!** \$15.00/hour

- 1 Position - BIA Regional Office, Portland, OR
- 1 Position - ATNI Office, Portland, OR
- 1 Position – North Pacific Landscape Conservation Cooperative, Olympia, WA
- 1 Position – ATNI/UCUT Office, Spokane, WA

ATNI is currently looking for Management Interns, providing the opportunity to gain experience in a wide range of strategy, policy, and political activity related to climate change impacts, mitigation, and adaptation. Candidates will be considered from a range of academic backgrounds including but not limited to politics, public affairs, social policy, legal, engineering, environmental science, environmental management, or similar degree. Candidates must currently be enrolled in graduate or undergraduate degree programs. To Apply Submit a cover letter, Resume and 3 references to Don Sampson, ATNI Climate Project Coordinator at [DP@Seventhgenerationllc.com](mailto:DP@Seventhgenerationllc.com). A complete position description is posted here: <https://blogs.uoregon.edu/tribalclimate/files/2010/11/Clim-Chng-Mngmt-Intern-Job-Descrip-5-13-16-11wfvwl.pdf>

**BIA Climate Change Internship.**

**Applications Due June 13, 2016.** The BIA Climate office in Washington DC is seeking a natural resource/biological science intern to work on climate adaptation implementation advocacy for the [National Fish Wildlife and Plants Climate Adaptation Strategy](#). Tribes were involved in writing the Strategy and a tribal organization is a co-chair of the leadership group. The candidate will work with states, tribes and nonprofits to engage land managers to implement the strategy. This position is professional level policy support and administration opportunity and the individual will interact with tribal, state and federal officials. As a clarification to the wording in the announcement, there is no biological field data collection. Candidates must be enrolled in school and already have a B.S. (or equivalent hours) in biological science or natural resources-related degree to qualify. For most, that means that they have a degree and are enrolled in a Master's or PhD program. The position is located in Washington, DC and hosted by our partner, the Association of Fish and Wildlife Agencies. Students must stay enrolled for the entire term of the internship to qualify. We expect that most students can arrange with their school to stay enrolled while working full time on this Internship in Washington, DC. The term of the internship is a minimum of a semester plus the summer (in any order). The internship can go up to a full year if the student can maintain enrollment in their academic program. More information is available here: <https://www.usajobs.gov/GetJob/ViewDetails/438961400/>.

**Executive Director, Upper Snake River Tribes Foundation.**

**Open Until Filled.** The Executive Director serves as the lead point person and administrative manager for USRT and its non-profit Foundation, which serves as the administrative/fiscal arm of USRT. The Executive Director is responsible for carrying out the policy directives of the member tribes and reports to the Chairperson of the USRT Commission, with assurance to program quality and accountability to advance the long term goals for member tribes and the USRT Foundation. This position will be the principal liaison between tribes and a wide variety of stakeholders and sovereigns through regular face-to-face meetings, phone conferences, periodic regional meetings, and written communication. For more information, visit:

<http://www.uppersnakeivertribes.org/app/uploads/2015/03/ED.Position.Description.pdf>

## **General Updates**

### **2016 California Adaptation Forum Updates**

The California Adaptation Forum is taking place September 7-8, 2016 in Long Beach, California. If you are or someone from your tribe is interested in attending the California Adaptation Forum in September, consider applying for [travel funds](#) through the [2016 Tribal Climate Resilience Funding Opportunity](#) (available to Federally recognized tribes and those eligible to receive 638 funds) which can be used to attend this event (under category one). **Funding requests should be submitted by May 23, 2016 at 9:00 p.m. E.D.T. C.** *Because of the timing for approval and delivery of funds, BIA travel funds may not be available in time for the Forum, we encourage you to apply anyway and check with your BIA contacts for more specific information.* For those who may not be eligible for BIA travel funding or who cannot apply before May 23rd, the Forum is committed to providing some general travel scholarship funds that will be announced in the future. Also, 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 on 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](mailto:cmetzgar@civicspark.lgc.org)) for details on how to get involved.

### **BIA Tribal Climate Resilience Program FY 2016 Funding Opportunity.**

**Proposal Deadline: May 23, 2016 by 9:00 p.m. E.D.T.** The Department of the Interior (DOI), Bureau of Indian Affairs (BIA) [Tribal Climate Resilience Program \(TCRP\)](#) is pleased to announce the [FY16 Climate Funding Opportunity](#) to support tribal projects to address climate change adaptation (planning, workshops, and travel support), ocean and coastal management planning (and travel support), capacity building (*new!*), and to provide youth internships (research, management, or youth engagement). Contract proposals must contain the information required by [25 CFR 900.8](#) and all proposals must have tribal resolution(s) supporting their requests in order to receive funding. Send completed proposals to: [climate.funding@bia.gov](mailto:climate.funding@bia.gov). Hard copies may be sent to: Ms. Helen Riggs: Attn: Climate Change, Deputy Bureau Director, Trust Services, Bureau of Indian Affairs, 1849 C St. NW, MS-4620-MIB, Washington, D.C. 20240. If you or your staff have questions on the process, please contact your [Regional Climate Change POC](#) or email: [climate.funding@bia.gov](mailto:climate.funding@bia.gov). Key links:

- ITEP/BIA Webinar on the BIA Tribal Climate Resilience Program Funding: [http://www7.nau.edu/itep/main/Training/training\\_wbnrs\\_ccAr](http://www7.nau.edu/itep/main/Training/training_wbnrs_ccAr)
- BIA Tribal Climate Resilience Program Funding Announcement: <http://bia.gov/WhoWeAre/BIA/climatechange/index.htm#currentkit>
- BIA Notice of Funding and Application: <http://bia.gov/cs/groups/webteam/documents/document/idc1-033625.pdf>
- Option Cover sheet: <http://bia.gov/cs/groups/webteam/documents/document/idc1-033689.pdf>

- **NOTE 1:** All proposals must include a supporting tribal resolution(s) or include in the email (or mailed) transmittal that the Resolution will be sent within 30 days (by Wednesday, June 22nd). If the optional [Proposal Cover Sheet](#) has been included to reduce errors and improve processing, check-off at the top, if the resolutions is attached or if the Resolution will be sent within 30 days
- **NOTE 2:** Category 9 Capacity Building is ONLY for a Tribe that has NEVER in past years and is still not capable this year of submitting a proposal for Categories 2 or 4 yet. If a Tribe does NOT have technical or staffing capacity to submit a Category 2. Climate Adaptation Planning proposal nor a Category 4. Ocean and Coastal Management Planning proposal and has NOT received a BIA Climate award in either of these categories in any prior year and does not have the staff and time to propose this year either, the tribe may consider proposing for Category 9. Capacity Building ([following instructions on page 10 of the Notice of Funding](#)) for up to \$50,000 to fund part-time staff to identify tribal climate adaptation needs through a scoping or similar review and prioritization process in order to increase the communities' ability to propose for Categories 2 or 4 next year or in future years.

### **NOAA Releases Draft Climate Science Action Plan for the U.S. West Coast**

As part of its efforts to increase the production, delivery, and use of climate-related information, today, NOAA Fisheries released a [draft climate science action plan](#) for the U.S. West Coast. It outlines a strategy and specific actions for increasing understanding, preparing for, and responding to climate change effects on the region's species and the people that depend on them, including marine and anadromous fish, invertebrates, marine mammals, sea turtles and seabirds. If you have questions about the plan, please contact [Ruth.Howell@noaa.gov](mailto:Ruth.Howell@noaa.gov). Written comments can be submitted via email to [nwfsc-wrapcomments@noaa.gov](mailto:nwfsc-wrapcomments@noaa.gov) by **May 30, 2016**. The plan is online here: [https://www.nwfsc.noaa.gov/news/features/climate\\_science\\_action\\_plan/index.cfm](https://www.nwfsc.noaa.gov/news/features/climate_science_action_plan/index.cfm)

### **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 Time (ET). A webinar will be held Wednesday, May 11, 2016 at 1:00 p.m. (EDT) Call in Number: 1.866.299.3188, Call in Code: 202.564.9957, <https://epawebconferencing.acms.com/tea/> For a copy of the Tribal ecoAmbassadors Program RFP, please visit <https://www.epa.gov/tribal/tribal-ecoambassadors-program>.

### **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.

### **Our Children’s Trust (OTC) Litigation Update.**

Our Children’s Trust is an organization dedicated to mitigating climate change for the benefit of future generations. They are involved in a series of lawsuits being brought by youth plaintiffs against state agencies to “enforce the Public Trust duty of government to protect natural resources, including the atmosphere, for the benefit of all present and future generations.” OTC continues to build momentum, receiving a favorable ruling in a Washington court. Most recently, in “*Kain et al. v. Massachusetts Department of Environmental Protection*,” the Massachusetts Supreme Judicial Court found that the government failed to comply with its legal obligation to reduce the State’s greenhouse gas emissions.” OTC continues to experience success in courts across the nation. Tribal youth are active participants and plaintiffs in OTC; you can follow OTC’s efforts here: <http://ourchildrenstrust.org/>.

### **Retirement of USDA Deputy Undersecretary Butch Blazer.**

Linda Kruger shared that USDA Deputy Undersecretary Butch Blazer has retired. He was an advocate for tribes, and did great things for relationship between USFS and tribes. Follow this link for a statement from Agriculture Secretary Tom Vilsack: <https://content.govdelivery.com/accounts/USDAO/bulletins/148a6a3>.

### **2016 Tribal Climate Camp.**

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](mailto:kylewhyte@gmail.com) or Arwen Bird at: [nwclimatecamp@gmail.com](mailto:nwclimatecamp@gmail.com). If you have questions on any other aspect of the Tribal Climate Camp, contact Steve Daley-Larsen at [stevendl@uidaho.edu](mailto:stevendl@uidaho.edu). If your tribe has an interest in sending a team to the Tribal Climate Camp (either in 2016 or in the future), contact Don Sampson at: [don@seventhgenerationllc.com](mailto:don@seventhgenerationllc.com).

### **Draft environmental study released for coal export proposal near Longview. Public can comment April 29 through June 13.**

Cowlitz County and the Washington Department of Ecology published a **draft study** evaluating the potential environmental impacts of a proposed coal export terminal near Longview. The study is available for public review through June 13. The 45-day public comment period on the Draft Environmental Impact Statement includes three public hearings: May 24 in Longview, May 26 in Spokane, and June 2 in Pasco. Comments may be submitted **online** and by mail anytime during the comment period. The study, available at [www.millenniumbulkeiswa.gov](http://www.millenniumbulkeiswa.gov), found the proposed project could have environmental impacts in 21 of the areas – some of them significant. Mitigation that could reduce or offset impacts is also proposed in the study. Comments can be submitted online, by mail or at the public hearings April 29 through June 13. More project information, including multiple factsheets with overviews of key issues are available at [www.millenniumbulkeiswa.gov](http://www.millenniumbulkeiswa.gov).

## **Media and Publications**

**American Indian Week in Oregon – May 14-20, 2016.** Oregon Governor Kate Brown has declared May 14-20, 2016 to be American Indian Week in Oregon. To Read the Proclamation, visit: [https://www.oregonlegislature.gov/cis/Documents/2016\\_American\\_Indian\\_Week\\_in\\_Oregon\\_Proclamation.pdf](https://www.oregonlegislature.gov/cis/Documents/2016_American_Indian_Week_in_Oregon_Proclamation.pdf)

**Praise and Guarded Optimism at Ottawa’s Pledge to Make UN Declaration Into Law.** By Daniel Mesec, May 12, 2016. Read more at <http://indiancountrytodaymedianetwork.com/2016/05/12/praise-and-guarded-optimism-ottawas-pledge-make-un-declaration-law-164453>

**Climate Change Is the New Removal as the Ocean Makes a Land Grab** by Steve Russell, May 12, 2016. Read more at <http://indiancountrytodaymedianetwork.com/2016/05/12/climate-change-new-removal-ocean-makes-land-grab-164454>

**Re-Envisioning State and Tribal Collaboration in Fishery Assessment and Restoration**  
<http://fisheries.org/2016/05/re-envisioning-state-and-tribal-collaboration-in-fishery-assessment-and-restoration/>

**Observations of climate change among subsistence-oriented communities around the world.** Nature Climate Change Review. <http://www.nature.com/nclimate/journal/v6/n5/full/nclimate2958.html>

## **Upcoming Events**

**May 20, 2016. 11 am – 1 pm Pacific. Rangeland Fire Management Priority Science Needs: Restoration.** Are you interested in the Great Basin, specifically sagebrush ecosystem management? Would you like to offer your opinion regarding science needs for future management decisions? Join a town hall discussion prioritizing science needs in the Great Basin. Go to <https://meet39041854.adobeconnect.com/gnlcc> 15 minutes prior to the scheduled session and log in as a “guest”.

**May 24, 2016. 10 am Pacific. Webinar: National Stewardship Contracting Virtual Meeting: Case Studies from Recent Stewardship Contracting Projects.** To learn more about how and why non-agency stakeholders engage the Forest Service in the design and implementation of stewardship projects on National Forests. This virtual meeting will review lessons learned from a sample of recently completed stewardship contracts and agreements from across the country; evaluating common challenges, strategies, and opportunities. To register now [click here](#). For background on Programmatic Monitoring of Stewardship Contracting: [http://www.pinchot.org/gp/Stewardship\\_Contracting](http://www.pinchot.org/gp/Stewardship_Contracting)

**May 24, 2016. 12 pm Pacific. Webinar: FEMA Policy on Tribal Hazard Mitigation Planning.** Please join us for an upcoming webinar and listening session on the Federal Emergency Management Agency’s (FEMA) update of its policy on tribal hazard mitigation planning. During a two-month tribal consultation period in the spring of 2016, FEMA is engaging tribal officials through face-to-face meetings, conferences, conference calls, and webinars to seek discussion on questions highlighted in a short “Tribal Mitigation Plan Review Guide: Key Concepts” document.

- **Audio conference line:** 800-320-4330, conference PIN: 844301#. **Adobe Connect link:** <https://fema.connectsolutions.com/tribalmmitigationplan/>.
- For additional background on [FEMA.gov](http://FEMA.gov):
  - [Hazard Mitigation Planning for Indian Tribal Governments](#)
  - [Updating FEMA's Policy on Tribal Hazard Mitigation Planning](#)
  - [Tribal Mitigation Plan Review Guide: Key Concepts document](#)
  - **Submit written comments to [tribalconsultation@fema.dhs.gov](mailto:tribalconsultation@fema.dhs.gov) by July 8, 2016**

**May 26, 2016. Indigenous Environmental Justice Knowledge Sharing Symposium.** The Indigenous Environmental Justice Knowledge Sharing Symposium proposes to advance the theory and practice of EJ scholarship by engaging with Indigenous peoples to more fully develop the concept of “justice” and the policies and law necessary to enable just relations. The IEJ symposium creates a forum to share ideas, knowledge and experiences to help us understand what environmental justice means. For more information on the speakers, agenda and to live stream the event, click here: <http://fes.yorku.ca/events/indigenous-ej-symposium/live-stream/>.

**June 6, 2016. 12 pm Pacific. Webinar: FEMA Policy on Tribal Hazard Mitigation Planning.** Please join us for an upcoming webinar and listening session on the Federal Emergency Management Agency's (FEMA) update of its policy on tribal hazard mitigation planning. During a two-month tribal consultation period in the spring of 2016, FEMA is engaging tribal officials through face-to-face meetings, conferences, conference calls, and webinars to seek discussion on questions highlighted in a short “Tribal Mitigation Plan Review Guide: Key Concepts” document.

- **Audio conference line:** 800-320-4330, conference PIN: 844301#. **Adobe Connect link:** <https://fema.connectsolutions.com/tribalmmitigationplan/>.
- For additional background on [FEMA.gov](http://FEMA.gov):
  - [Hazard Mitigation Planning for Indian Tribal Governments](#)
  - [Updating FEMA's Policy on Tribal Hazard Mitigation Planning](#)
  - [Tribal Mitigation Plan Review Guide: Key Concepts document](#)
  - **Submit written comments to [tribalconsultation@fema.dhs.gov](mailto:tribalconsultation@fema.dhs.gov) by July 8, 2016**

**June 7-9, 2016. Tribal Climate Change Adaptation Training. Pala, CA.** Hosted by the Institute for Tribal Environmental Professionals. This course provides an introduction to planning for climate change impacts, with examples of tribes that have been going through the adaptation planning process. The course is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. More information this training and how to register will be made available on the ITEP website soon: [http://www7.nau.edu/itep/main/Training/training\\_cc](http://www7.nau.edu/itep/main/Training/training_cc).

**June 7 – 9, 2016. Learning from the Land National Workshop. College of Menominee Nation in Keshena, Wisconsin** Workshop sessions are designed for Tribal Colleges and Universities (TCU's) and mainstream academic institutions educators and students interested in designing, developing, and facilitating learning experiences that honor and integrate indigenous ways of knowing as an essential component to the tools of western science. This event will also be of benefit to indigenous community practitioners interested in learning more about working with academic partners. This workshop is hosted by College of Menominee Nation (CMN) Sustainable Development Institute (SDI) in collaboration with the State University of New York (SUNY) Environmental Science and Forestry (ESF) program, University of Wisconsin - Madison (UW) POSOH project, and Menominee Tribal Enterprises (MTE).

**June 9, 2016. Monitoring Earthquakes, Tsunamis, and Volcanoes Using NASA Remote Sensing. [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 15, 2016. [Science to Policy Summit: Climate Change](#). Vancouver, WA. Hosted by the Lower Columbia Estuary Partnership.** Join us at the 10th annual Science to Policy Summit to examine emerging climate change research and its implications for the lower river and estuary. Expert panelists will discuss changes in regional climate, sea level rise, ocean acidification, cold water refugia, as well as climate change's impacts on Native American culture and history.

**June 16, 2016. Overview of Remote Sensing for Wildfire Applications. [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 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](mailto:kylewhyte@gmail.com), Arwen Bird at: [nwclimatecamp@gmail.com](mailto:nwclimatecamp@gmail.com) or Steve Daley-Larsen at [stevendl@uidaho.edu](mailto:stevendl@uidaho.edu).

**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 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](#).**

**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.

**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.). **[Applications received by May 23, 2016, will have priority consideration.](#)** For more information, contact Nikki Cooley at [Nikki.Cooley@nau.edu](mailto:Nikki.Cooley@nau.edu).

**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 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. **Accepting abstracts until May 1, 2016.** [www.ic-sd.org](http://www.ic-sd.org).

**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>

## **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](#)