

**Pacific Northwest Tribal Climate Change Project
DRAFT Meeting Notes – Wednesday, December 17, 2014**

Call Participants:

- Mike Cox, Environmental Protection Agency Region 10
- Jeff Dickison, Squaxin Island Tribes
- Megan Flier, Confederated Tribes of Grand Ronde
- Joe Gilbertson, Hoh Tribe
- Kim Greenwood, National Parks Service, Denver
- George Hart, Navy Region NW
- Ida Hildebrand, Chugach Regional Resources Commission
- Carolyn Kelly, Quinault Indian Nation
- Linda Kruger, USDA Forest Service
- Kathy Lynn, University of Oregon
- Guillaume Mauger, UW Climate Impacts Group
- Cristina Gonzalez-Maddex, Institute for Tribal Environmental Professionals
- Veronica Redifer, Klawock Tribe
- Carl Wassillie, Center for Water Advocacy
- Emily Weidner, USDA Forest Service - Washington Office
- Paul Williams, Suquamish Tribe
- Ann Wyatt, Klawock Tribe
- Kimberly Yazzie, Portland State University

Table of Contents

USDA Forest Service Research and Development - Tribal Engagement Roadmap update..... 2

Federal Climate Change Plans..... 3

Suquamish Tribe Education Proposal 3

West Coast Ocean Summit 3

ITEP Webinar series 4

General Updates 4

 Guidelines for Considering Traditional Knowledges (TKs) in Climate Change Initiatives 4

 President’s Task State, Local and Tribal Leaders Task Force on Climate Preparedness and Resilience 5

 U.S. Climate Resilience Toolkit 5

 California Landscape Conservation Cooperative 5

 Native American Student Research Grant..... 5

Upcoming Events 6

 2015 Workshops: Using Beaver for Climate Change and Conservation Benefits 6

 May 12 - 15, 2015: 2nd National Adaptation Forum 6

Upcoming PNW Tribal Climate Change Network Conference Call Dates

- January 21, 2015
- February 18, 2015
- March 18, 2015
- April 15, 2015
- May 20, 2015
- June 17, 2015

Call-in Information:
Call Time: 10:00 am - 11:30 Pacific
Call-in #: 1-888-858-2144
Pass code: 5064716

Meeting Minutes

USDA Forest Service Research and Development - Tribal Engagement Roadmap update

Emily Weidner with the USDA Forest Service provided an update on the USDA Forest Service Research and Development Tribal Engagement Roadmap. The six goals for the roadmap are:

1. Build new and enhance existing partnerships with Tribes, Indigenous and Native Groups, Tribal colleges, Tribal communities and Intertribal Organizations.
2. Institutionalization of Tribal Trust responsibilities and engagement within USFS Research and Development
3. Increase and advance Tribal and indigenous values, knowledge and perspectives within USFS Research and Development, including both operational and research activities
4. Network and coordinate within R&D and across Deputy Areas to increase Agency and R&D program efficacy.
5. Through a collaborative and participatory approach with tribes and tribal organizations, advance research on topics of joint interest such as:
 - Climate change
 - Fire science and management
 - Fish and wildlife
 - Forest management
 - Forest products and utilization
 - Non-timber forest products
 - Restoration
 - Social vulnerability
 - Sustainability
 - Traditional ecological knowledge
 - Water and watershed protection
6. Develop and deploy research and technologies to support tribal decision-making on natural resources issues.

Emily shared information on the development of the roadmap, which included tribal consultations over the summer, and that is currently under final review and approval within the agency. Linda Kruger mentioned that Goal 6 was added as a result of the tribal consultation process with tribes and reflected some of the comments and suggestions made by the tribes. Linda encouraged tribes in the Pacific Northwest to contact her (lkruiger@fs.fed.us) with any questions or ideas for collaborative research in the future.

Information on development of the roadmap is available at: <http://www.fs.fed.us/research/tribal-engagement/roadmap.php>. You can download the roadmap here: <http://www.fs.fed.us/spf/tribalrelations/documents/plan/TribalStrategicPlan2010-2013.pdf>.

Carl asked if this research or future budget allocations might be reflective of issues related to relocation of Alaska Native villages. While not directly addressed in the roadmap, this led to a discussion of the needs of tribes that are already experiencing the impacts of climate change, and the need for federal support and resources to address these needs. This tied into the discussion described below about the recent release of federal agency climate change plans.

Federal Climate Change Plans

On October 31, 2014, the White House released the final versions of Climate Change Adaptation Plans produced by federal departments and agencies. Links to all the federal climate plans are available at: <http://www.performance.gov/node/3406/view?view=public#supporting-info>. A few other links are:

- [Department of Interior Climate Change Adaptation Plan](#)
- [USDA Climate Change Adaptation Plan](#)
- [EPA Adaptation Implementation Plans](#)

The group discussed strategies for examining how these federal climate change plans address tribal needs and issues. A specific area of interest is where there is commonality between agency strategies regarding outreach to tribes. Kathy will develop a framework for issues to examine in these plans and share it before the January call.

Suquamish Tribe Education Proposal

The Suquamish Tribe is partnering with the Washington Office of the Superintendent of Public Instruction to apply for a grant improve and develop curricular materials aligned with the Next Generation Science Standards (NGSS) and the Common Core standards relating to carbon and other human caused impacts to ecosystems. These standards present a short window of opportunity to get educational materials into classrooms that provide a more complete picture of human environmental impacts and the solutions (which often center on the need to change human behaviors on a broad scale).

Federal, state, tribal and other researchers and engineers can partner by providing data sets, methods and experiences in a specific format designed to be easily incorporated into NGSS lesson templates. If they can participate on a greater level, they could work directly with curriculum designers to create lessons or case studies around their area of expertise. Some may even want to work with teachers and students directly. Every agency participates in these types of collaborations already. This effort would just streamline the process and broaden the number of schools participating. We are also looking for Tribal partners to identify schools or educators who would want to participate, host professional development workshops, and identify tribal researchers who can supply their data sets.

The Suquamish Tribe is just forming this proposal so expect a lot of changes over the next month. If you are interested in partnering in some way, please contact Paul Williams, Suquamish Fisheries Department, pwilliams@suquamish.nsn.us 360 434 7432.

West Coast Ocean Summit

Paul Williams mentioned that the West Coast Ocean Summit is taking place January 12 – 14, 2015 in Portland, OR. The first West Coast Ocean Summit will bring together West Coast Tribes, representatives from the Governors' offices of California, Oregon, and Washington and state and federal agencies to share ocean health priorities and discuss regional ocean coordination and collaboration opportunities. The objectives of the Summit are to develop a shared understanding of common priorities, document issues of mutual importance, create strategies for identifying opportunities for coordination and overcoming challenges, and develop mechanisms for ongoing dialogue among federal and state agencies and tribes in the region. For more information, visit: <http://www.westcoastoceansummit.org/>.

ITEP Webinar series

The Institute for Tribal Environmental Professionals is coordinating a webinar series focused on climate change adaptation as part of a collaborative project with the USDA Forest Service Pacific Northwest Research Station and the PNW Tribal Climate Change Project. This webinar series follows an early set of webinars on climate change adaptation planning, a September climate change adaptation training workshop in Portland, Oregon. The preliminary list of webinars and presenters is listed here:

- Webinar 1: January 15, 2015, 10:00 - 11:15 a.m. PST. Nooksack Indian Tribe Climate Change Impacts Assessment, Vulnerability Assessment, and Adaptation Plan. Presenter: Oliver Grah, Nooksack Tribe
- Webinar 2: January 30, 10-11:15 a.m. PST. Tribal Landscape Conservation Case Studies. Presenters (*invited*): Laurie Whitehead, Lands Manager, Heiltsuk Integrated Resource Management Department and Nathan Lojewsk, Chugachmiut berry risk mapping project.
- Webinar 3: February 23, 10-11:15 a.m. PST. Climate Adaptation for Fisheries: Two projects by the Columbia River Inter-Tribal Fish Commission. *Presenters (invited)*: Bob Heinith, David Graves, and Laura Gephart, Columbia River Inter-Tribal Fish Commission.
- Webinar 4: February 25, 2015, 10:00 - 11:15 a.m. PST. Climate Change Funding and Technical Resources For Tribes. Presenters: Kathy Lynn, PNW Tribal Climate Change Project and Sue Wotkyns, Institute for Tribal Environmental Professionals.

ITEP will release a flier with registration information soon. Previous ITEP webinars are available on their website here: http://www4.nau.edu/itep/climatechange/tcc_webinars.asp

General Updates

Tribal Climate Change Funding Guide

We are frequently updating the tribal funding guide. The Funding Guide is intended to provide up-to-date information on grants and programs that may assist tribes in addressing climate change through a broad range of sectors. Recently, the guide has been expanded to include existing tribal climate change adaptation plans in the US. Email kathy@uoregon.edu if you have any information to add to the guide. To access the funding guide, please visit <http://envs.uoregon.edu/tribal-climate/>

Guidelines for Considering Traditional Knowledges (TKs) in Climate Change Initiatives

These *Guidelines for Considering Traditional Knowledges (TKs) in Climate Change Initiatives* are intended to be an informational resource for tribes, agencies, and organizations across the United States interested in understanding TKs in the context of climate change. The Guidelines and opportunities to comment are available [here](#).

[President's Task State, Local and Tribal Leaders Task Force on Climate Preparedness and Resilience Releases Recommendations](#)

The President's task force has recently completed a set of recommendations for federal agencies so that they can better support tribal, state and local climate adaptation and mitigation efforts. The five principles guiding the report are:

1. Require consideration of climate-related risks and vulnerabilities in the design, revision, and implementation of all Federal policies, practices, investments, regulations, and other programs.
2. Maximize opportunities to take actions that have dual-benefits of increasing community resilience and reducing greenhouse gas emissions.
3. Strengthen coordination and partnerships among Federal agencies, and across Federal, state, local, tribal, and territorial jurisdictions as well as economic sectors.
4. Provide actionable data and information on climate change impacts and related tools and assistance to support decision-making at all levels.
5. Consult and cooperate with Tribes and indigenous communities on all aspects of Federal climate preparedness and resilience efforts, and encourage states and local communities to do the same.

The full report can be found here:

http://www.whitehouse.gov/sites/default/files/docs/task_force_report_0.pdf

[U.S. Climate Resilience Toolkit](#)

The U.S. Climate Resilience Toolkit provides scientific tools, information, and expertise to help people manage their climate-related risks and opportunities, and improve their resilience to extreme events. The site is designed to serve interested citizens, communities, businesses, resource managers, planners, and policy leaders at all levels of government.

[California Landscape Conservation Cooperative](#) *(email update from Michele Selmon)*

The California LCC held a working on climate change and traditional ecological knowledge in September. The agenda and references that were provided to the September workshop attendees:

<http://californialcc.org/events/traditional-ecological-knowledge-training>. There are additional TEK resources posted on the CA LCC's data-sharing platform "Climate Commons":

<http://climate.calcommons.org/article/tek>.

[Native American Student Research Grant](#)

The Intertribal Timber Council (ITC), in partnership with the USDA Forest Service Southern Research Station is pleased to announce scholarship opportunities for Native American students who are planning or currently conducting tribally relevant research in a natural resource issue. The deadline is January 26, 2015 at 5:00 PM PST. Awards are for up to \$4,000. Grant information can be found online at www.itcnet.org.

Fall 2014 Climate Matters: the newsletter for the USGS Climate Research & Development Program, is available at http://www.usgs.gov/climate_landuse/clu_rd/newsletter/default.asp. This issue of the newsletter includes a feature article on the newly unified glacier project, summaries of recently published papers, and information on the participation of Climate R&D scientists in recent meetings. The

newsletter is produced twice a year and is intended to provide an overview of research funded by the USGS Climate R&D program.

Recorded Webinar: North Pacific Landscape Conservation Cooperative (NPLCC) Science Management Webinar: Correlation and climate sensitivity of human health and environmental indicators in the Salish Sea. Presenters Dr. Jamie Donatuto, Swinomish Indian Tribal Community & Dr. Eric Grossman, USGS. Links to the recorded webinar and presentation slides are now available on the [NPLCC website here](#). If you have any questions or comments about the project, please feel free to contact Dr. Donatuto, Dr. Grossman, or Mary Mahaffy, NPLCC Science Coordinator. For more information on the NPLCC and future Science-Management webinars please visit us at nplcc.org

Upcoming Events

2015 Workshops: Using Beaver for Climate Change and Conservation Benefits

The NPLCC supported a project led by Janine Castro, FWS, and Mary Ann Schmidt, PSU, entitled "*Using Beaver for Climate Change and Conservation Benefits - the state-of-the-science and workshop dissemination for assessing the stream restoration potential of beaver.*" Working with NOAA NW Fisheries Science Center, they have developed draft beaver restoration guidelines that will be presented at workshops throughout the NPLCC geographic area. *Workshop Locations and Dates:*

1. Everett, Washington, January 14th
2. Portland, Oregon, January 21st and 22nd
3. Weed, California, February 12th
4. Juneau, Alaska, April 14th

Please contact Janine Castro, janine_m_castro@fws.gov with questions. To register, visit: <http://epp.esr.pdx.edu/Beaver%20Restoration.html>.

Jan 28th, 2015, 10-11am (Pacific Time), NPLCC Science-Management Webinar: Stream temperature database & high-resolution NorWeST climate scenarios - Dan Isaak, USDA Forest Service. This project collected existing stream temperature data from numerous federal, state, tribal, and private sources to develop an integrated regional database. Spatial statistical models for river networks will be applied to these data to develop an accurate model that predicts stream temperature for all fish-bearing streams in the US portion of the NPLCC. Differences between model outputs for historic and future climate scenarios will be used to assess spatial variation in the vulnerability of sensitive fish species across the NPLCC. [Learn more about the NorWeST database](#). Register for the webinar: <http://www.northpacificlcc.org/nplcc-science-management-webinar-stream-temperature-database-high-resolution-norwest-climate-scenarios>.

May 12 - 15, 2015: 2nd National Adaptation Forum

The 2nd National Adaptation Forum will take place from May 12 through May 14, 2015 in St. Louis, MO and will engage key individuals from such diverse fields as industry, academia, government, and non-profit organizations, all working across traditional boundaries to develop adaptation solutions and partnerships. The National Adaptation Forum is the biennial gathering of the adaptation community to foster information exchange, innovation and mutual support for a better tomorrow. Registration for the **2nd NATIONAL ADAPTATION FORUM** is available here: <http://nationaladaptationforum.org/>.