



NORTHERN ARIZONA
UNIVERSITY



Institute for Tribal Environmental Professionals



Tribal Climate Change Newsletter

June 2016

Welcome to ITEP's Tribal Climate Change Newsletter. This monthly newsletter provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.

ITEP's Climate Change Program News



Chugach Mountains, Alaska. Photo credit: Nikki Cooley

Our summer climate change training schedule is in full swing with final preparations being made for the upcoming training in Red Cliff, WI where we have a full class, and are accepting registrations for trainings in Billings, MT (August 2-4), and Nebraska City, NE (September 13-15). The training schedule and registration forms are available at: http://www7.nau.edu/itep/main/Training/training_cc.

The recent Climate Change Adaptation Planning course which took place at the Pala Band of Mission Indian's Casino, Spa and Resort had 22 tribal professionals from fourteen tribes in California and Arizona, one from New York, and two from the Northwest participating. We would like to thank our generous hosts, the Pala Band, for their generosity and support, as well as the instructors and participants, who helped make the course a success.

The **Tribal Lands and Environment Forum (TLEF)** scheduled for August 15-18 in Uncasville, Connecticut will feature special trainings, field trips, and breakout sessions focused on solid/hazardous waste management, brownfields, UST/LUSTs, Superfund sites, and emergency response. The forum will also include breakout sessions focused on climate change. To register for the conference please visit: http://www7.nau.edu/itep/main/Conferences/confr_tlef/.

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Newsletter

To subscribe or unsubscribe to this newsletter, please go to www7.nau.edu/itep/main/listsrv/ where you can manage your Tribes & Climate Change Listserv and other ITEP Listserv subscriptions.

Tribes & Climate Change website

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at www7.nau.edu/itep/main/tcc/

Finally, with Sue's recent retirement from NAU and ITEP, we are busy with moving the program forward in our new roles as co-managers of ITEP's climate change program. We are honored to continue the great work that Sue and ITEP have done. Please do not hesitate to contact us with any questions.

Ahéhee'! Thank you!

-Nikki Cooley and Karen Cozzetto

In The News

Teenage Climate Change Activist to Bill Maher: U.S. Gov't Has Violated 'Our Constitutional Right to a Healthy Atmosphere'

Bill Maher welcomed his youngest guest Friday night to his show, "Real Time with Bill Maher." Xiuhtezcatl Martinez, 16, is an environmental activist who has filed a lawsuit against the federal government, accusing the country's leaders of inaction on climate change. © 2016 TheBlaze, Inc., 06/25/16.

<http://www.theblaze.com/stories/2016/06/25/teenage-climate-change-activist-to-bill-maher-u-s-govt-has-violated-our-constitutional-right-to-a-healthy-atmosphere/>

Disasters Signal Imbalance in the Natural World

Traditional Navajo medicine people view the world's most recent natural disasters including the human-caused Wallow Fire and other raging wildland fires throughout the U.S., as Mother Nature's warnings of the imbalanced state of the natural world. © 2014 The Navajo Times Publishing Co, Inc., 06/23/16.

<http://www.navajotimes.com/news/2011/0611/062311tradition.php>

Climate Change to Blame for Thinner Mussel Shells, Says Study

Increased acidity in our oceans as a result of burning fossil fuels is the cause of a thinning of the California mussel shell, according to a new study by University of Chicago biologists. This trend is seen throughout millennia with shells collected by Native Americans 1,000 to 1,300 years ago an average of 27% thicker than modern shells. © Mercator Media Ltd 2016, 06/23/16.

<http://www.worldfishing.net/news101/industry-news/climate-change-to-blame-for-thinner-mussel-shells,-says-study>

Why Native American Tribes are in McCall to Plan for Climate Change

Representatives from Native American tribes are in McCall this week to talk about how they can adapt to climate change. Donald Sampson says Native Americans are and will continue to be more impacted by climate change than the rest of the country. That's because climate changes are affecting their traditional food sources. © 2016 Boise State Public Radio, 06/21/16.

<http://boisestatepublicradio.org/post/why-native-american-tribes-are-mccall-plan-climate-change>

Swinomish Tribe Wins National Climate Adaptation Leadership Award

The Swinomish Indian Tribal Community in La Connor, Wash., is surrounded by water on three sides. So it's not surprising that they signed a resolution to actively address climate change and adaptation planning. What is remarkable is their resolution took place nearly a decade ago, long before climate change became a part of the national conversation. © 2016 Indian Country Today Media Network, LCC, 06/16/16.

<http://indiancountrytodaymedianetwork.com/2016/06/16/swinomish-tribe-wins-national-climate-adaptation-leadership-award-164810>

To Combat Climate Change, Restore Land Ownership to Indigenous Peoples

Even though Indigenous Peoples make up just 5 percent of the world's population, their ancestral territories collectively span across 65 percent of the Earth's surface. However, just 10 percent of that land is within their legal control. This discrepancy creates a significant gap in securing the human rights and political, social, and economic needs of the world's 5000 distinct Indigenous Peoples and Nations. © IC Magazine, 06/15/16.

<https://intercontinentalcry.org/combat-climate-change-restore-land-ownership-indigenous-peoples/>

We Can Help Native Villages Adapt to Climate Change

Alaska Native Villages face some of the highest climate change risks in the nation due to their eroding and flooding shorelines, limited resources, impacts of colonization, and strong connection to traditional lands, waters and wildlife that they do not wish to leave behind. Some Alaska coastal villages are expected to be underwater as early as the 2020s. © 2016 Alaska Dispatch Publishing, 06/15/16.

<http://www.adn.com/voices/commentary/2016/06/15/we-can-help-native-villages-adapt-to-climate-change/>

The Choctaw v Climate Change: 'The Earth is Speaking'

In the US, members of the Choctaw Nation fight to reclaim their relationship with the land in a world without seasons. In Oklahoma, the earth seems to be shouting. From 2010 to 2015, the land plunged the state into a punishing drought, bringing the Choctaw nation to the brink of a water crisis. © 2016 Al Jazeera Media Network, 06/12/16.

<http://www.aljazeera.com/indepth/features/2016/05/choctaw-climate-change-earth-speaking-160528090311635.html>

The American Refugee

Unfolding on the edges of the ocean are the great pains among those who must face the inevitable loss of home and heritage. There is thrust upon them, some for the second time, the migration of all that is both familiar and familial. For Kavalina, Shishmaref, Newtok, and the Isle de Jean Charles band of the Biloxi-Chitimacha-Choctaw. © 2016 Emergency and Disaster Management Digest, 06/01/16.

<http://edmdigest.com/adaptation/the-american-refugee/>

'Extreme Heat Week' Combats Climate Change With Resilience Strategies for Tribes

As Native peoples we know that climate change is here, and that it is mainly (fossil) fueled. But what of its effects on indigenous health? According to a recent federal report, *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*, indigenous populations in the U.S. are at increased vulnerability to the impacts of climate change on human health for a myriad of reasons. © 2016 Indian Country Today Media Network, LCC, 05/23/16.

<http://indiancountrytodaymedianetwork.com/2016/05/23/extreme-heat-week-combats-climate-change-resilience-strategies-tribes-164561>

For the PNW, How Costly is Climate Change? Experts Weigh In.

In a discussion at the University of Washington, panelists examined ways in which the region can take steps to protect against the threats of climate change to various industries. The panel included representatives from the university, the consulting giant PwC, Paul Allen's philanthropy group at Vulcan, the Washington Growers League and the Quinault Indian Nation. © 2016 The Seattle times Company. 05/18/16.

<http://www.seattletimes.com/seattle-news/environment/for-the-pnw-how-costly-is-climate-change-experts-weigh-in/>

Resources

Article: Achieving Climate Connectivity in a Fragmented Landscape

Many plants and animals will need to move large distances to track preferred climates, but fragmentation and barriers limit their movements. If corridors allowed movement between all natural areas, species living in 65% of natural area could track their current climates, allowing them to adjust to 2.7 C more temperature change.

<http://www.pnas.org/content/113/26/7195>

Article: Opportunities to Utilize Traditional Phenological Knowledge to Support Adaptive Management of Social-Ecological Systems Vulnerable to Change Climate and Fire Regimes

The field of adaptive management has been embraced by research and managers in the United States as an approach to improve natural resource stewardship in the face of uncertainty and complex environmental problems. Integrating multiple knowledge sources and feedback mechanisms is an important step in this approach. 2016.

<http://www.ecologyandsociety.org/vol21/iss1/art16/>

Fact Sheets: Climate Change, Health, and Populations Concerns

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 on this page highlight the health impacts of climate change at different stages of life and for certain populations of concern.

<https://www3.epa.gov/climatechange/impacts/health/factsheets/>

The Climate Change Costs of Offshore Oil Drilling

A report from Greenpeace and Oil Change International finds that President Obama's proposal to expand offshore drilling in the Arctic and the Gulf of Mexico will increase global carbon emissions and impose billions of dollars in social costs. The Obama administration has proposed an expansion of offshore oil and gas leasing, with new lease sales scheduled to take place from 2017 to 2022 for the Arctic Ocean and the Gulf of Mexico. 06/2016.

<http://www.greenpeace.org/usa/wp-content/uploads/2016/06/Climate-Costs-Offshore-Oil-June2016-FINAL.pdf?f3025c>

Other Items of Interest

AmeriCorps VISTA Volunteer on Climate Change Projects for the Tribal Colleges & Universities/VISTA Program (AmeriCorps)

The Native Climate Resilience Network (NCRN) is a coordinated effort across Tribal communities to identify and plan for local climate change issues. Tribal Colleges and Universities (TCUs) develop site specific projects that integrate traditional, culturally specific ecological knowledge with western science practice in an effort to plan for locally identified climate change issues and to strengthen and develop partnerships with climate change experts. Deadline: TBD

<https://environment.uw.edu/wp-content/uploads/2016/05/NCRN-Flyer.pdf>

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 07/08/16.

Job Announcement: Climate Change Specialist – 1854 Treaty Authority

1854's Resource Management Division is hiring a Climate Change Specialist whose duties will include implementation of the 1854 ceded territory climate adaptation plan and development of monitoring programs. This position will be responsible for developing a climate change program. **Deadline: 07/15/16.**

<http://www.1854treatyauthority.org/cms/files/Climate%20Change%20Specialist%20-%201854%20Treaty%20Authority%20-%20July%202016.pdf>

Looking Forward: Priorities for Managing Freshwater Resources in a Changing Climate (USEPA) Released for Public Comment

The Water Resource and Climate Change Workgroup, consisting of EPA and federal partners, has released for public comment a draft document updating the 2011 "National Action Plan: Priorities for Managing Freshwater Resources in a Changing Climate." This report takes into consideration the recommendations of the State, Tribal, and Local Leaders Task Force; the Climate and Natural Resources Working Group; and the Advisory Committee on Water Information Climate Change Subcommittee. **Deadline for comments: 07/15/16.**

http://acwi.gov/climate_wkg/iwrcc/index.html

Spring/Summer 2016 K-12 BIE/BIA Tribal Student Climate Change Photo Contest (BIE/BIA)

Using a classroom or cell phone camera, take a picture of things of value in your community that climate change might affect, include a climate caption, and submit the photo or questions by e-mail. **Summer deadline: 07/26/16.**

<http://www.indianaffairs.gov/cs/groups/webteam/documents/document/idc1-032906.pdf>

Funding Opportunities

NOTE: More Funding Opportunities can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Resources/funding>. Also, see the Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>

Building the Capacity of Tribes to Address the Health Impacts of Climate Change (EPA)

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.

Eligibility includes Indian tribes. Funding opportunity # EPA-OAR-OAP-16-05. **Deadline: 07/15/16.**

<http://www.grants.gov/web/grants/search-grants.html?keywords=climate%20change>

FY 2017 National Climate Change & Wildlife Science Center Program (Geological Survey)

This program was created to ensure that the National Climate Change and Wildlife Science Center is responsive to the research and management needs of Federal and State agencies to provide science and technical support regarding the impacts of climate change in fish, wildlife, plants and ecological processes. National coordination of research and modeling at regional centers will ensure uniformity of downscaling and forecasting models and standardized information to support management of fish and wildlife resources and regional partnership collaborations. Eligibility includes tribal entities. Funding opportunity # G16AS00049. **Deadline: 07/19/16.**

<http://www.grants.gov/web/grants/search-grants.html?keywords=climate%20change>

FY2017 BROWNFIELDS AREA-WIDE PLANNING GRANT (EPA)

This funding is for research and/or technical assistance activities directed to one or more brownfield site(s) located in a specific area (such as a neighborhood, downtown or business district, local commercial corridor, community waterfront or city blocks). Each project funded under this grant must result in an area-wide plan which includes specific plan implementation strategies for assessing, cleaning up, and reusing the brownfields site(s) as well as related brownfields and project area revitalization strategies. Eligibility includes federally recognized Indian Tribal governments, intertribal consortia comprised of eligible Indian Tribes, Alaska Native Regional Corporations, Alaska Native Village Corporations, and Metlakatla Indian Community. Funding opportunity # EPA-OLEM-OBLR-16-05. **Deadline: 08/10/16.**
<http://www.grants.gov/web/grants/search-grants.html?keywords=climate%20change>

FY 16 Coastal Ecosystem Resiliency Grants Program (NOAA)

The principal objective of the National Marine Fisheries Service's (NMFS) Coastal Ecosystem Resiliency Grants solicitation is to implement projects that use a proactive approach to improve or restore coastal habitat to: 1) strengthen the resilience of U.S. marine and coastal ecosystems and decrease the vulnerability of communities to extreme weather and 2) support sustainable fisheries and contribute to the recovery of protected resources. Eligibility includes federally recognized Native American tribal governments. Funding opportunity # NOAA-NMFS-HCPO-2016-2004840. **Deadline: 08/16/16.**
<http://www.grants.gov/web/grants/search-grants.html?keywords=climate%20change>

Climate Change Adaptation-Tribal Liaisons for 3 Regions Only (BIA)

The Secretary of the Interior (Secretary), through the Office of Trust Services, hereby solicits proposals from tribal non-profit, non-governmental organizations, and tribally controlled colleges or universities, to enter into 3 separate cooperative agreements for the identification and hiring of 3 tribal climate science liaisons in the Midwest region, the North Central region and the combined Northeast/Southeast region to address tribal climate change science needs in the appropriate science centers. This agreement provides a mechanism for the BIA to provide the Tribal organization with non-recurring funding for mutually agreed upon tasks in keeping with the climate science needs of the BIA and all tribal communities in the North Central Climate Science Center region. Eligibility includes tribal non-profits and tribally controlled colleges or universities. Funding opportunity # BIA-CLIMATE-16000-0001-0030. **Deadline: 08/19/16.**
<http://www.grants.gov/web/grants/search-grants.html?keywords=climate%20change>

FY17 Tribal Wildlife Grants Program (USFWS)

This program provides a competitive funding opportunity for federally recognized tribal governments to develop and implement programs for the benefit of wildlife and their habitat, including species of Native American cultural or traditional importance and species that are not hunted or fished. Eligibility includes federally recognized Native American tribal governments. Funding opportunity # F16AS00199. **Deadline: 09/02/16.**
<http://www.grants.gov/web/grants/search-grants.html>

Coastal Program – Great Lakes Restoration Initiative (USFWS)

The Coastal Program is a voluntary, incentive-based program that provides technical and financial assistance to coastal communities and landowners to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program - Great Lakes Restoration Initiative funding is available to coastal areas within the U.S. portion of the Great Lakes basin which includes parts of Michigan, Wisconsin, Minnesota, Illinois, Indiana, Ohio, Pennsylvania, and New York. Eligibility includes federally recognized Native American tribal governments and Native American tribal organizations (other than Federally recognized tribal governments). Funding opportunity # F16AS00060. **Deadline: 09/30/16.**
<http://www.grants.gov/web/grants/search-grants.html>

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website:
<http://www7.nau.edu/itep/main/tcc/Home/Events>

July 2016

Webinar: Integrating Climate Change into Design and Permitting of Water Crossing Structures with Washington Department of Fish & Wildlife

July 07, 10:00-11:00 a.m. (Pacific). Offered by the North Pacific Landscape Conservation Cooperative. Presenters from the Washington Dept. of Fish & Wildlife will discuss their modeling results and ideas for how to apply them to site-scale decisions. This project translates projected future changes in regional climate to stream width, a key parameter for fish passage, culvert design, and sizing.
<http://www.northpacificlcc.org/second-webinar-opportunity-an-applied-case-study-to-integrate-climate-change-into-design-and-permitting-of-water-crossing-structures>

Training: Climate-Smart Conservation with Scenario Planning

July 11-15, Shepherdstown, WV. Offered by the US Fish & Wildlife Service and National Conservation Training Center. This 5-day class is based on two guides: *Climate Smart Conservation: Putting Adaptation Principles into Practice & Considering Multiple Futures and Scenario Planning to Address Uncertainty in Natural Resource Conservation*. Participants will learn how to assess the appropriateness of scenario planning for their needs and ways that the process can support existing planning and decision frameworks.

http://files.ctctcdn.com/d332aa07201/08907be2-0d43-4a66-9c24-e2b5c128c226.pdf?utm_source=Newsletter+5.17.16&utm_campaign=Constant+Contact&utm_medium=email

ITEP Training: Climate Change Adaptation Planning

July 12-14, Red Cliff, WI. 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

Webinar: What's Causing the "Warm Arctic, Cold Continents" Pattern?

July 13, 12:00-1:00 p.m. Eastern. Offered by the U.S. Climate Variability and Predictability Program. This webinar will feature speakers, Judah Cohen, Atmospheric and Environmental Research Inc. /MIT, and Lantao Sun, University of Colorado – Boulder/NOAA Earth System Research Laboratory.

<https://usclivar.org/webinars>

Webinar: The North Atlantic Oscillation as a Driver of Rapid Climate change in the Northern Hemisphere

July 14, 3:00-4:00 p.m. Eastern. Offered by the U.S. Climate Variability and Predictability Program. This webinar will feature speaker, Tom Delworth of NOAA/Geophysical Fluid Dynamics Laboratory.

<https://core.readytalk.com/callme/?ap=8667401260&ac=7871682&role=p&mode=ad>

Conference: 2016 Climate Strategies Forum - East Coast

July 18-20, Arlington, VA. Offered by the Association of Climate Change Officers. Climate Strategies Forum events are the premier programs featuring formal climate change preparedness for credit applicable to credentials issued under the CCO Certification™ program. The Forum also features a suite of keynote conversations, Women's Climate Collaborative speed mentoring session, CCO Roundtable sessions, networking events, a tools and methodologies showcase and a tabletop exhibition.

<http://www.ClimateStrategiesForum.org>

Webinar: A Collaboration with Rural Alaskans: The Driftwood Harvest in a Changing Climate

July 19, 11:00 -12:00 p.m. Alaska. Offered by the North Pacific Landscape Conservation Cooperative. This webinar will discuss focus on the a study that examined the 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. We combined information gathered from informant interviews, USGS gauging stations, U.S. Census data, and numerical models of past driftwood harvest rates to estimate changes in future driftwood harvest rates.

<http://www.northpacificlcc.org/a-collaboration-with-rural-alaskans-the-driftwood-harvest-in-a-changing-climate>

Training: Fostering Climate Resilient Coastal Communities 2016

July 21, 9:00 a.m.-5:00 p.m., Irvine, CA. Offered by the North Pacific Landscape Conservation Cooperative. The proposed learning objectives of this training will be to understand key policies and players in the landscape of California's coastal resiliency, learn of successful and unsuccessful examples of coastal resiliency efforts, and learn about unique issues surrounding vulnerable communities and how to address them.

<http://www.northpacificlcc.org/fostering-climate-resilient-coastal-communities-2016>

Webinar: Introduction: Regional Climate Overview, Norton Bay Climate Adaptation Plan Findings and Recommendations

July 26, 10:00-12:00 p.m. Alaska. Offered by the Water Policy Consulting, LLC. This is the first webinar in a one-year curriculum offered from July 2016 through May 2017 will inform and guide Alaskan Native tribal and community leaders and staff to develop Localized Climate Change Adaptation Plans (LCCAPs) through the process of assessing local climate risks; developing strategies to address those risks; and beginning to build the information, funding and resource capacity to take action for climate adaptation and community resilience.

<https://podio.com/webforms/16053589/1077885>

August 2016**ITEP Training: Climate Change Adaptation Planning**

August 02-04, 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 Northern Plains and Rocky Mountains region.

http://www7.nau.edu/itep/main/Training/training_cc

Training: Climate Education Regional Workshop: Rising Tides and Changing Times

August 03-04, 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-lfkl5mQ/viewform

Conference: 2016 International Atmospheric Rivers Conference

August 08-11, La Jolla, CA. Offered by the Center for Western Weather and Water Extremes. The aims of the 2016 conference are to discuss and identify differing regional perspectives and conditions from around the world, and to plan for future scientific and practical challenges.

<http://cw3e.ucsd.edu/ARconf2016/>

ITEP Conference: 2016 Tribal Lands & Environment Forum

August 15-18, Mohegan Sun Resort, Uncasville, CT. 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

Training: ALC3184 Climate Change Vulnerability Assessment

August 23-25, Shepherdstown, WV. Offered by the U.S. Fish & Wildlife Service and the National Conservation Training Center. The course is designed to guide conservation and resource management practitioners in two essential elements in the design of climate adaptation plans. Specifically, it will provide guidance in identifying which species or habitats are likely to be most strongly affected by projected changes; and understanding why these resources are likely to be vulnerable. Vulnerability assessments are a critical tool in undertaking any climate change planning or implementation process.

<http://training.fws.gov/nctcweb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-ALC3184>

September 2016

Conference: California Climate Change Symposium

September 06, 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/?utm_source=Newsletter%205.24.16&utm_campaign=Constant%20Contact&utm_medium=email

Conference: 2016 California Adaption Forum

September 07-08, Long Beach, CA. Offered by the National Adaptation Forum in partnership with State of California and Local Government Commission. The Forum will bring together over a 1,000 local, regional and state leaders to form a community of action, committed to addressing California's adaptation needs.

http://www.californiaadaptationforum.org/?utm_source=Newsletter+12.15.15&utm_campaign=Constant+Contact&utm_medium=email

Conference: 2016 Carolinas Climate Resilience Conference

September 12-14, Charlotte, NC. Offered by the Carolinas Integrated Sciences and Assessments. This conference will share information about climate-related tools, resources, experiences, and activities in the Carolinas. This will be a very interactive conference geared towards networking and exchange among stakeholders and decision makers throughout the region.

<http://www.cisa.sc.edu/ccrc/>

ITEP Training: Climate Change Adaptation Planning

September 13-15, 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 central U.S.
http://www7.nau.edu/itep/main/Training/training_cc

Conference: West Coast Salmon Summit

September 26-29, Canyonville, OR. Offered by the Cow Creek Band of Umpqua Tribe of Indians. The Summit is dedicated to the conservation of Pacific Salmon throughout their native range. This year's Summit will focus on "Restoring our Future". In this unique forum, scientists and resource managers, educators, tribal and First Nations representatives, federal and state agencies and non-governmental employees will find common ground and inspiration for creating a "...more natural state of recovery."
<http://www.salmonsummit.org/>

October 2016

Conference: 2016 Mountain Climate Conference

October 17-21, Leavenworth, WA. Offered by the Consortium for Integrated Climate Research in Western Mountains. The 2016 Mountain Climate Conference will continue the tradition of excellence established by over a decade of meetings by working at the intersection of climate and a host of other scientific disciplines including hydrology, ecology, and glaciology. The conference will explore the central theme: *Mountains Without Snow: What are the Consequences?*
<http://www.mtnclim.org/>

Conference: 43rd Natural Areas Conference

October 18-21, Davis, CA. Offered by the Natural Areas Association. The conference will focus on the nuts-and-bolts of climate change adaptation, with the target audience being organizations and individuals involved in on-the-ground natural areas management.
<https://naturalareas.org/conference>

Conference: 2016 Climate Strategies Forum, West Coast

October 19-21, San Diego, CA. Offered by the Association of Climate Change Officers. Climate Strategies Forum events are the premier programs centered on formal climate change preparedness training for credit applicable to credentials issued under the CCO CertificationTM program.
<http://www.climatestrategiesforum.org/>

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