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UNIVERSITY



Institute for Tribal Environmental Professionals

Tribal Climate Change Newsletter ***November 2015***

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



Valley of the Gods – Navajo Nation. Photo credit: Colleen Cooley.

ITEP is providing assistance to the Central Council of the Tlingit and Haida Indian Tribes of Alaska in planning and delivering a Climate Change Adaptation Planning Workshop for Southeast Alaska tribes, scheduled for December 7-9 and hosted by Tulalip Tribes in northwest Washington. Other collaborators include Sitka Tribe of Alaska, North Pacific Landscape Conservation Cooperative, and USFS Pacific Northwest Research Station. The workshop will focus on climate change adaptation planning in the coastal temperate rainforest region of Alaska.

We are continuing to work on our climate change training schedule for the coming year. ITEP is collaborating with the Alaska Native Tribal Health Consortium's Center for Climate and Health on a Climate Change Adaptation Planning training scheduled for April 19-21 in Anchorage, AK. Registration forms are now available at http://www7.nau.edu/itep/main/Training/training_cc. ITEP is also planning Climate Change Adaptation Planning trainings in Fort Hall, ID (dates TBD), Pala, CA (June 7-9), and other locations TBD.

ITEP's Environmental Education Outreach Program is seeking air quality focused offices

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Newsletter

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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/

and programs host a college student for an 8-week summer internship. Tribal environmental offices, EPA offices, and other tribal environmental organizations are encouraged to apply. As an intern host site you gain a dedicated college student who will complete a new or on-going project directly related to air quality or climate change. Host site applications are due January 22, 2016. For more information, visit http://www7.nau.edu/itep/main/eeop/Internships/ssi_host.

— Sue Wotkyns, Program Manager

In The News

Partnering for change in the Missouri River Basin

Using recent Missouri River Basin examples, an article published in Water Resources Impact describes decision support and drought and resiliency planning efforts conducted with tribal communities using the National Integrated Drought Information System. The authors also describe a collaborative process and provide information on how to build productive relationships. © Fall 2015, National Integrated Drought Information System Newsletter, p. 18. <http://www.drought.gov/media/pqfiles/October%202015%20v3.pdf>

A Washington Tribe Confronts Climate Change, Sea Level Rise

As sea levels rise and the global climate changes, international leaders gathering in Paris this month face increasing pressure to tackle the issue of “climate refugees”. Some island nations are already looking to move their people to higher ground, even purchasing land elsewhere in preparation. Here in the Pacific Northwest, one coastal tribe faces a similar choice. © 2015 KLCC 89.7, NPR for Oregonians, 11/18/15. <http://klcc.org/post/washington-tribe-confronts-climate-change-sea-level-rise>

Report: Climate change dire for Puget Sound

The Puget Sound region is projected to face more intense flooding, rising sea levels, heavier downpours and thinner winter snowpack as temperatures continue to warm in coming decades, according to a report released Tuesday by the University of Washington. © The Register-Guard, 11/18/15. <http://registerguard.com/rq/news/local/33737438-75/report-climate-change-dire-for-puget-sound.html.csp>

Treaties could be key in helping indigenous communities fight effects of climate change

Some may view treaties between indigenous peoples and the federal government as a relic of the 19th century, but they just might provide a way for tribes to mitigate the effects of climate change on their lands and communities. A University of Kansas law professor has authored a study showing that provisions of treaties can lead the way to fighting the effects of climate change, which often hit native communities earliest and most severely. © KU News Service, The University of Kansas, 11/17/15. <http://news.ku.edu/2015/11/05/treaties-could-be-key-helping-indigenous-communities-fight-effects-climate-change>

Grant to help tribal governments

The University of Oklahoma College of Architecture's Division of Regional and City Planning has received a grant from the Citizen Potawatomi Nation to help tribal governments prepare and adapt their built environment to climate change. The \$5,000 partnership grant with the tribe's Department of Environmental Protection will be used to identify vulnerabilities and potential impacts of climate change on tribal resources. © Copyright 2015 The Norman Transcript, 11/14/15. http://www.normantranscript.com/news/university_of_oklahoma/grant-to-help-tribal-governments/article_bc4eda3f-1ba8-5edd-a2e8-37db1a9b2681.html

Collaboration is the Name of the Game in the Northwoods

When you are faced with a big problem, it helps to have all your friends working together. There's a great example of this philosophy playing out in the Northwoods of Minnesota, Wisconsin and Michigan between the Great Lakes Indian and Wildlife Commission, an organization that supports the hunting, gathering, and fishing treaty rights of 11 member Ojibwe tribes and the U.S. Forest Service. Representatives of the Commission and Forest Service meet regularly to collaborate on a wide range of issues, including wildlife management, law enforcement, and youth education. © USDA Blog, 11/12/15. <http://blogs.usda.gov/2015/11/12/collaboration-is-the-name-of-the-game-in-the-northwoods/#more-61865>

Arctic Council, indigenous peoples, prepare for Paris climate change meeting

With less than a month to go before global climate change talks start in Paris, indigenous peoples and the Arctic Council are getting ready for the Conference of Parties, or COP 21, the 21st annual meeting of the nation states that make up the United Nations Framework on Climate Change. © Nunatsiaq Online, 11/03/15. http://www.nunatsiaqonline.ca/stories/article/65674indigenous_peoples_arctic_council_prepare_for_COP21/

These Ice Cellars Fed Arctic People for Generations: Now They're Melting

Native people in Alaska and Russia store their whale meat and other traditional foods in permafrost. But their underground freezers are thawing, causing food problems. © 2015 National Geographic Partners, LLC, 10/30/15.

<http://news.nationalgeographic.com/2015/10/151030-ice-cellar-arctic-melting-climate-change/>

A Native American tribe in Montana hopes its coal reserves will provide economic opportunity

The Crow Nation in Montana, also known as the Apsaalooke, have an abundance of coal on their reservation. They already have one open-pit mine, and soon, they're hoping to open another. In cooperation with Cloud Peak Energy – one of the biggest coal companies in the country – the tribe plans to mine 1.4 billion tons of coal for customers in Asia, © 2015 PRI Public Radio International, 10/29/15.

<http://www.pri.org/stories/2015-10-29/native-american-tribe-montana-hopes-its-coal-reserves-will-provide-economic>

Situation 'Dire': Low Coho Salmon Returns Close Quinault Fisheries

Low returns of wild coho salmon are prompting the Quinault Indian Nation to close all its fisheries in Grays Harbor and Queets River and to declare an economic disaster because of the resulting hardship on fishermen and their families. © Indian Country Today Media Network, LLC, 10/29/15.

<http://indiancountrytodaymedianetwork.com/2015/10/29/situation-dire-low-coho-salmon-returns-close-quinault-fisheries-162266>

A Changing Arctic Presents Incredible Challenges and Opportunities for Indigenous Peoples

A changing Arctic? It's a region that presents incredible challenges and opportunities for Indigenous People. One of those unique opportunities involves governance. The Arctic Council is eight nations who work together on complex issues ranging from climate change to a sustainable future. © Indian Country Today Media Network, LLC, 10/27/15.

<http://indiancountrytodaymedianetwork.com/2015/10/27/changing-arctic-presents-incredible-challenges-and-opportunities-indigenous-peoples>

Climate Change Film by Lummi Producer Will Inform UN Summit

Former Lummi Nation chairman Darrell Hillaire has produced plays on unfulfilled treaty promises and racism in sports. Now, he's producing a film he hopes will change our treatment of the planet and those we share it with. Hillaire's Setting Sun Productions is making an educational film on climate impacts for the U.N. Summit on Climate Change in Paris. © Indian Country Today Media Network, LLC, 10/21/15.

<http://indiancountrytodaymedianetwork.com/2015/10/21/climate-change-film-lummi-producer-will-inform-un-summit-162131>

Resources

An Interdisciplinary Approach Identifying and Conveying Indigenous Knowledge and Practice through an Interactive 3-D Landscape to Address Climate Change (USGS and DOI NWCSC)

An online interactive 3-D Landscape project, developed through an interdisciplinary collaboration between members of the Coeur d'Alene Tribe, including elders, and cultural and language experts, and members of the University of Idaho, including faculty in ethnography, natural resources, data management, and virtual world design.

<https://www.sqigwts.org/>

Community-Driven Climate Resilience Planning: A Framework (Movement Strategy Center)

This framework has been developed by community-based organizations to help similar organizations meaningfully engage vulnerable and impacted communities in defining and building climate resilience. August 2015.

<http://funderservices.movementstrategy.org/a/wp-content/uploads/MSC-Community-CRPlanning.pdf>

The Uncertainty Handbook: A Practical Guide for Climate Change Communicators (Climate Outreach)

Have you ever struggled with the communication of climate change uncertainties? Are you frustrated by climate sceptics using uncertainty – inherent in any area of complex science – as a justification for delaying policy responses? The handbook provides 12 practical and easy-to-apply principles for smarter communication about climate change uncertainties. 2015.

<http://climateoutreach.org/resources/uncertainty-handbook/>

Video: Climate Change From Inter-Tribal Youth Congress 2015 (USDA)

This video was made by Native American students from all over the US to help educate people about problems in their area caused by climate change. 7:26 min. 7/02/15.

<https://www.youtube.com/watch?v=kHH85HcsHI4>

Video Series: Life on the Edge: Climate change in Kivalina (KTVA Alaska)

This three part series explores the impacts of climate change on Kivalina, Alaska, a coastal Inupiat community located

80 miles above the Arctic Circle. 3min 40sec., 3min 16sec., and 3min 27sec. 11/15.

<http://www.ktva.com/life-on-the-edge-part-1-climate-change-in-kivalina-247/>

<http://www.ktva.com/life-on-the-edge-part-2-kivalina-faces-sanitation-challenges-696/>

<http://www.ktva.com/life-on-the-edge-part-3-the-future-of-kivalina-391/>

Other Items of Interest

The Climate Adaptation Leadership Award for Natural Resources (US Fish & Wildlife and NOAA)

Award was developed to recognize and incentivize exemplary efforts by federal, state, tribal, local, and non-governmental entities to reduce climate-related threats and promote adaptation of the national natural resources and the people that depend on them. This award will recognize the outstanding leadership by organizations and/or individuals to advance the resilience of living natural resources (fish, wildlife and plants) in a changing climate by helping address the goals of the National Fish, Wildlife, and Plants Climate Adaptation Strategy. **Nomination deadline: 01/08/16.**

<http://www.wildlifeadaptationstrategy.gov/award.php>

Federal Plan Requirements for Greenhouse Gas Emissions From Electric Utility Generating Units Constructed on or Before January 8, 2014; Model Trading Rules; Amendments to Framework Regulations - Public Comment Period on Proposed Rule (US EPA)

In this action, the EPA is proposing a federal plan to implement the greenhouse gas (GHG) emission guidelines (EGs) for existing fossil fuel-fired electric generating units (EGUs) under the Clean Air Act (CAA). The EGs were proposed in June 2014 and finalized on August 3, 2015 as the Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units (also known as the Clean Power Plan or EGs). This proposal presents two approaches to a federal plan for states and other jurisdictions that do not submit an approvable plan to the EPA: a rate-based emission trading program and a mass-based emission trading program. These proposals also constitute proposed model trading rules that states can adopt or tailor for implementation of the final EGs. **Public comments must be submitted on or before: 01/21/16.**

<https://www.federalregister.gov/articles/2015/10/23/2015-22848/federal-plan-requirements-for-greenhouse-gas-emissions-from-electric-utility-generating-units>

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/>

Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands – 2015 (USDOE)

Through this Funding Opportunity Announcement (FOA), the Department's Office of Indian Energy is soliciting applications from Indian tribes (including Alaska Native regional corporations, village corporations, tribal consortia, and tribal organizations) and Tribal Energy Resource Development Organizations to install (1) facility-scale clean energy and energy efficiency projects and (2) community-scale clean energy projects on Indian lands. Eligibility: an Indian Tribe; or (2) Tribal Energy Resource Development Organization; and on whose (3) Indian Lands the project(s) will be located. Funding opportunity # DE-FOA-0001390. Deadline: 12/10/15.

<https://eere-exchange.energy.gov/Default.aspx?Foald4a7967f3-f608-497f-a02d-95c215342d15>

Assistance to High Energy Cost Rural Communities (USDA Rural Utilities Services)

The Rural Utilities Service (RUS) announces the availability of up to \$10 million in competitive grants to assist communities with extremely high energy costs. The grant funds may be used to acquire, construct, or improve energy generation, transmission, or distribution facilities serving communities where average annual residential expenditure for home energy exceeding 275 percent of the national average. Eligible projects also include on-grid and off-grid renewable energy projects and implementation of energy efficiency, and energy conservation projects for eligible communities. Eligibility includes federally recognized tribal governments, and tribal organizations. Funding Opportunity # RD-RUS-HECG15. Deadline: 12/14/15.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279877>

Great Lakes Fisheries and Wildlife Restoration Act (GLFWRA) (USFWS)

The USFWS requests interested entities to submit restoration, research and regional project proposals for the restoration of the Great Lakes Basin fish and wildlife resources, as authorized by the GLFWRA. The purpose of the act is to provide assistance to States, Indian Tribes, and other interested entities to encourage cooperative conservation, restoration and management of the fish and wildlife resources and their habitats in the Great Lakes Basin. Eligibility includes federally recognized tribal governments, and tribal organizations. Funding opportunity # F16AS00008. Deadline: 12/14/15.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279634>

2016 NOAA California Bay Watershed Education and Training (B-WET) Program (Department of Commerce)

The California B-WET Program is a competitive grant program that supports existing, high quality environmental education programs, fosters the growth of new, innovative programs, and encourages capacity building and partnership development for environmental education programs throughout the entire the San Francisco Bay, Monterey Bay, and Santa Barbara Channel watersheds. Successful projects provide Meaningful Watershed Educational Experiences (MWEEs) for students and related professional development for teachers. Eligibility includes federally recognized tribal governments, and tribal organizations. Funding opportunity # NOAA-NOS-ONMS-2016-2004702. Deadline: 12/16/15.

www.grants.gov/web/grants/view-opportunity.html?oppld=279645

2016 Ecological Effects of Sea Level Rise Program - Advancing Predictive Capabilities to Evaluate Natural and Nature-based Features (NOAA)

NOAA announced funding to evaluate and quantify the ability of coastal natural and nature-based features to mitigate the effects of sea level rise, storm surge, flooding, and wave run-up on coastal ecosystems and communities. Proposals should model the impacts of sea level rise and quantify the vulnerability and resilience of communities to inundation and sea level rise under various deployment levels of nature-based ecosystems, which include forests, wetlands, floodplains, dune systems, seagrasses, barrier islands, and reefs. Eligibility includes federally recognized tribal governments. Funding opportunity # NOAA-NOS-NCCOS-2016-2004616. Deadline: 01/08/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279216>

Water Conservation Field Services Program (BOR)

The Bureau of Reclamation's Upper Colorado Region is requesting applications for the Water Conservation Field Service Program. The mission of the Reclamation is to manage, develop, and protect water and related resources in an environmental and economically sound manner in the interest of the American public. Eligibility includes any Indian tribe located in the Upper Colorado Region. Funding opportunity #BOR-UC-16-F001. Deadline: 01/11/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=280023>

FY2016 NOAA Bay Watershed Education and Training (B-WET) Hawaii Program (US Department of Commerce)

The NOAA Bay Watershed Education and Training (B-WET) Hawaii Program is a federal funding opportunity which meets NOAA's mission of science, service and stewardship. This B-WET program supports the vision of a future where societies and their ecosystems are healthy and resilient in the face of sudden or prolonged change. The purpose for this financial assistance is to support our communities by developing a well-informed citizenry involved in decision-making that positively impacts our coastal, marine and watershed ecosystems in the State of Hawaii. This opportunity is a competitively-based grant that provides funding to assist in the development of new programs, encourage innovative partnerships among environmental education programs and support geographically targeted programs to advance environmental education efforts that complement national and state school requirements. Eligibility includes federally recognized tribal governments. Funding Opportunity # NOAA-NOS-OCM-2016-2004576. Deadline: 01/19/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279642>

WaterSMART: Water and Energy Efficiency Grants for FY 2016 (BOR)

Objective is to invite States, Indian tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with the Bureau of Reclamation on projects that seek to conserve and use water more efficiently, increase the use of renewable energy and improve energy efficiency, benefit endangered and threatened species, facilitate water markets or carry out other activities to address climate-related impacts on water or prevent any water-related crisis or conflict. Eligibility includes Indian tribes located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended. Funding Opportunity #R16-FOA-DO-004. Deadline: 01/20/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279957>

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Home/Events>

December 2015**Webinar: Potential Impacts of Ocean Acidification on Phytoplankton Communities**

December 02, 12:00 – 1:00 p.m. EDT. Offered by NOAA. Ocean acidification will also affect phytoplankton: the microscopic photosynthesizing organisms that form the foundation of the marine food web and regular key biogeochemical processes.

<http://www.nodc.noaa.gov/seminars/>

Webinar: Massachusetts Wildlife Climate Action Tool

December 02, 3:30 – 4:30 p.m. EDT. Offered by the Northeast Climate Science Center. This Tool focuses on providing information for a range of local decision-makers, including conservation practitioners, landowners, municipal agencies, and community leaders, seeking to conduct on-the-ground climate change adaptation efforts. Although this tool was designed for decision-making in the state of Massachusetts, it provides broadly relevant climate and adaptation information, and can serve as a model for related efforts across the entire Northeast region.

<https://necsc.umass.edu/webinars/massachusetts-wildlife-climate-action-tool>

Webinar: Regional Climate Change Impacts: Great Plains

December 03, 1:00 – 2:30 p.m. MST. Offered by the Department of Energy. Webinar series highlighting the impacts and opportunities of climate change and responses for minority communities.

<http://www.energy.gov/diversity/mie-webinar>

Webinar: Enhancing the Resilience of Riparian/Wetland Ecosystems in Light of Climate Change

December 03, 2:00 – 3:00 p.m. EDT. Offered by the US FWS and NOAA, and part of the Restoration Webinar Series.

Andrew Breibart (BLM) will discuss Gunnison Climate Working Group, a partnership of public agencies, academic institutions, and private organizations working to enhance the resilience of riparian and wetland habitats in light of climate change.

<http://nctc.fws.gov/topic/online-training/webinars/documents/restoration/Schedule-July-December-2015.pdf>

Training: Climate Fundamentals Academy: Northern California Regional Workshop #1

December 3-4, Berkeley, CA. Offered by Association of Climate Change Officers. These training activities will prove valuable to decision makers across sectors and professional roles desiring to be better informed of climate change and sea level rise implications, and to develop strategies for responding to related risks and opportunities.

http://community.accoonline.org/events/event_details.asp?id=664392

Webinar: COP Paris Live

December 04, 12:00-1:00 p.m. EDT. Offered by the Bard College National Climate Seminar. Eban Goodstein, Director, Bard Center for Environmental Policy and Bard, MBA in Sustainability live from the COP Paris.

<http://www.bard.edu/cep/programs/climateseminar/schedule/>

Online training: Climate Change Policy and Public Health

November 9 - December 6. Offered by University of Wisconsin-Madison through Coursera. 4-8 hours/week. Explore current evidence linking climate change and public health while learning the fundamental co-benefits of climate change mitigation.

<https://www.coursera.org/course/ccandph>

Training: Wausau Forest Adaptation Planning and Practices

December 7-8, Wausau, WI. Offered by the Northern Institute of Applied Climate Science.

https://docs.google.com/forms/d/1mDoLKdm_N6cu4ZyJgL5FQKySzGFOYIJuThn2yFtdU8g/viewform?c=0&w=1

Conference: 2015 Montana State University Extension Climate Science Conference

December 8-10, Bozeman, MT. Conference participants will learn about: climate science basics, Montana and regional climate trends, stakeholder perspectives, tools for extension programming, effective communication techniques, program-focused discussions and opportunities to collaborate.

<http://cms.msuxextension.org/climate/2015ConferenceHome.html>

Webinar: How to Prioritize Key Areas for Conservation Efforts in a Changing Climate: A Look at “Climate Refugia”

December 08, 3:00 – 4:00 p.m. EDT. Offered by the National Climate Change and Wildlife Science Center. Toni Lyn Morelli will summarize the physical processes that create climate refugia, discuss a new framework for locating and managing them, and use examples to illustrate ways to identify and verify climate refugia. Focusing on climate refugia could be an important strategy to help managers prioritize habitats for conservation in a changing climate.

https://nccwsc.usgs.gov/webinar/refugia?utm_source=Newsletter+11.17.15&utm_campaign=Constant+Contact&utm_medium=email

Training: Climate Adaptation for Conservation Training and Coaching Session

December 9-10, Fort Collins, CO. Offered by the Wildlife Conservation Society. Hands-on training in how to consider climate change information in conservation planning and identify adaptation actions for implementation. It will also furnish participants with feedback and coaching on their own real-world climate adaptation project. For more information or to register, contact Erika Rowland at erowland@wcs.org or Molly Cross at mcross@wcs.org

Webinar: Sea level rise adaptation tools for San Juan archipelago & Salish Sea

December 10, 11:00 – 12:00 p.m. Pacific. Offered by the North Pacific Landscape Conservation Cooperative. Presentation on sea-level rise vulnerability model completed for San Juan County, that incorporated multiple time and projection

scenarios and modeled mapped erosion and inundation, and engagement and outreach to local and regional managers, public works, planning departments, and vulnerable communities/property owners.

<http://www.northpacificlcc.org/science-management-webinar-sea-level-rise-adaptation-tools-for-san-juan-archipelago-salish-sea>

Training: Grant Writing 101

December 16, Albuquerque, NM. Offered by the SC Climate Science Center. Climate science grant writing training for tribal environmental and tribal grant writing staff. For more information, contact Kim Merryman, Assistant Sustainability Scientist/Tribal Liaison, Chickasaw Nation/Choctaw Nation of Oklahoma, South Central Climate Science Center, at Kim.Merryman@Chickasaw.net

Training: Grant Writing 101 - Session 2 Workshop

December 17, Albuquerque, NM. Offered by the SC Climate Science Center. Climate science grant writing training for tribal environmental and tribal grant writing staff. For more information, contact Kim Merryman, Assistant Sustainability Scientist/Tribal Liaison, Chickasaw Nation/Choctaw Nation of Oklahoma, South Central Climate Science Center, at Kim.Merryman@Chickasaw.net

Webinar: Midwest and Great Plains Drought

December 17, 1:00-2:00 p.m. Central. Each month, a state climatologist and a NOAA regional climatologist conduct public webinars to brief interested members of the public about ongoing and near-future changing climate conditions in the Great Plains and Midwestern United States.

<http://drought.gov/drought/content/regional-programs/regional-drought-webinars>

January 2016

Training: Climate Academy

January – June 2016. Offered by the USFWS's National Conservation Training Center. This six-month online course is designed to cover the fundamentals of climate literacy and communication. **Registration deadline: December 11, 2015.**

http://files.ctctcdn.com/d332aa07201/4a620fa7-f36f-45bf-a518-822fd8599985.pdf?utm_source=Newsletter+11.17.15&utm_campaign=Constant+Contact&utm_medium=email

Training: Climate Fundamentals Academy: South Florida Regional Workshop #2

January 12-13, Fort Lauderdale, FL. Offered by the Association of Climate Change Officers (ACCO.) These academies will provide curriculum on topics including understanding climate science and variability, identifying climate hazards and conducting vulnerability assessments, basics of greenhouse gas accounting, explanations of the food-water-energy nexus, and fundamental governance and stakeholder engagement strategies

http://community.accoonline.org/events/event_details.asp?id=691002

Online Training: Online Forest Adaptation Planning and Practices

January 18 – February 22, 2016. Offered by the Northern Institute of Applied Climate Science and the University of Minnesota. This six-week course will provide hands-on training in considering climate change information and identifying adaptation actions for natural resources management and conservation. Participants will receive coaching and feedback on their own real-world climate adaptation project. The online Adaptation Workbook tool will be featured.

<http://forestadaptation.org/fapp-online>

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