

ITEP's Climate Change Trainings & Resources for Tribes



**Mehrdad Khatibi
Institute for Tribal Environmental Professionals
Northern Arizona University**

**National Tribal Water Quality Conference
November 17, 2011**

Presentation Overview

- Overview of ITEP
- ITEP-USEPA Cooperative Agreement: Tribal Climate Change Adaptation Planning
- Climate Change Training
- Resources for tribes
- ITEP's EEOP Summer Internships



Institute for Tribal Environmental Professionals (ITEP)

- Northern Arizona University, Flagstaff, AZ
- Programs:
 - Air Quality
 - Waste Management
 - Climate Change
 - Environmental Education and Outreach
- Serves federally recognized tribes nationally



Photo Courtesy of DOE/NREL



Tribal Climate Change Adaptation Planning

- ITEP-USEPA 4-year cooperative agreement, 2010-2014
- Facilitate tribal climate change adaptation planning, and communicate climate change impacts





Tribal Climate Change Adaptation Planning Project

- **Tribal Climate Change Adaptation Planning Committee**

- Steve Crawford, Passamaquoddy Tribe at Pleasant Point, ME
- Rose Kalistook, Orutsararmuit Native Village, AK
- Ed Knight, Swinomish Indian Tribal Community, WA
- Kathleen Sloan, Yurok Tribe, CA
- Syndi Smallwood, Pechanga Band of Luiseño Indians, CA
- Dr. Margaret Hiza Redsteer, U.S. Geological Survey, AZ
- Dr. Darrell Kaufman, Northern Arizona University
- Sue Wotkyns, ITEP
- Mehrdad Khatibi, ITEP
- Lesley Jantarasami, US EPA
- Bill Perkins, US EPA



Climate Change Training

Trainings:

- *Climate Change on Tribal Lands*
- *Climate Change Adaptation Planning*



*Climate Change Adaptation Planning
Tucson, AZ*



*Climate Change on Tribal Lands
Flagstaff, AZ*

Upcoming:

- Alaska (ATCEM--November 10-11)
- East of Mississippi (Spring 2012)
- Plains/Rockies (Fall 2012)

Tribes & Climate Change website

- Basic Information
- Tribal Profiles
- Resources: Science, Impacts, Adaptation, Mitigation, Outreach, Policy, Funding
- Take Action
- Events
- Contacts

<http://www4.nau.edu/tribalclimatechange/>



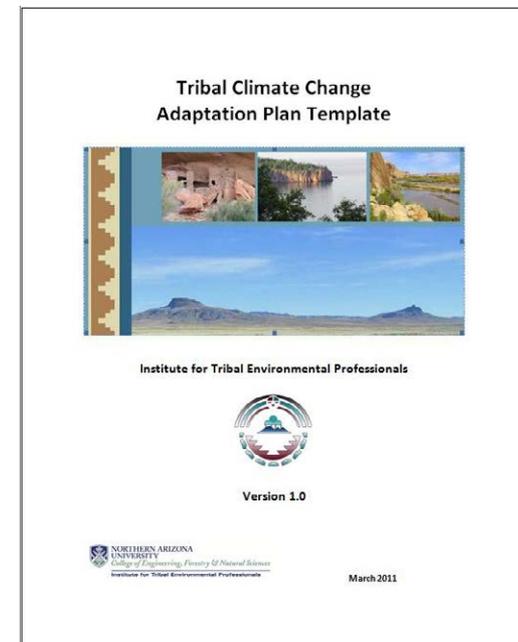
Tribal Climate Change Newsletter

- Delivered monthly by email
- ITEP CC Program News
- In the News
- Resources
- Other Items of Interest
- Funding Opportunities
- Upcoming Events
- Contact: susan.wotkyns@nau.edu



Tribal Climate Change Adaptation Plan Template

- Guidelines and suggestions for writing an adaptation plan
- Outline of sections to include
- Key Terms, Additional Resources
- Available as Word document
- Contact:
susan.wotkyns@nau.edu





Write a Climate Change Adaptation Plan—What to Include

- Tribal Council Commitment—tribal council’s approval and support of the plan
- Executive Summary—overview of the project and key findings
 - Planning Process
 - Action Recommendations
 - Implementation of Plan



Write a Climate Change Adaptation Plan—What to Include

- Introduction
 - General Characteristics/History of the Tribe
 - Why the Tribe is Planning for Climate Change
 - Threat posed by climate change
 - Tribe's commitment to planning
 - Reasons for planning
 - Planning in a Regional Context



Credit: USGS/H. Henkel



Credit: NOAA National Severe Storms Lab

Write a Climate Change Adaptation Plan—What to Include

- Climate Impacts
 - Regional climate impacts
 - Climate change impacts on tribe (impact assessment)
- Vulnerability and Risk (assessments)
- Recommended Goals and Actions
 - Goals: what you want to accomplish
 - Actions: how you'll accomplish goals

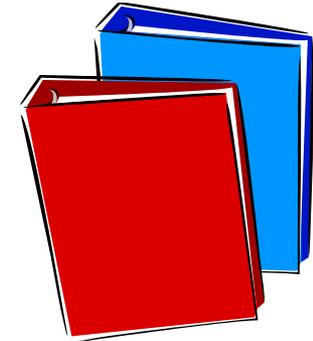


Credit: USGS/B. Hanson



Write a Climate Change Adaptation Plan—What to Include

- Implementation of Plan
 - Monitor/measure progress in reaching adaptation goals
 - Review basic assumptions
 - Update plan regularly

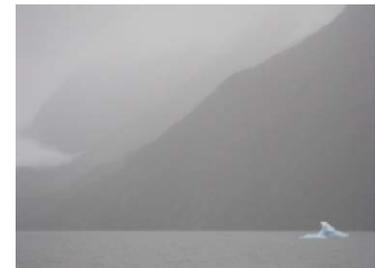




Tribal Climate Change Calls/Webinars

Upcoming:

- AK Tribal Climate Change Conf. Call
 - November 29, 9:30 am AK time (tentative)
- Webinar: Tribes and The National Climate Assessment (December 5, 2:00 PM Eastern)
- Suggestions for topics/presenters?





ITEP's EEOP Summer Internships— Host Sites Needed

- Host sites: Tribes, tribal orgs, govt. agencies.
- Projects focus on addressing air quality and/or climate change issues in tribal communities.
- 10 weeks, undergrad/grad students. ITEP provides \$4,000 stipend and limited housing/travel allowances to intern. Host site provides work place and supervision.
- **Deadline:** Host sites: 1/6/12. Interns: 2/15/12.
www4.nau.edu/eeop/internships/ssi_host.asp

Feedback

Please provide feedback:

- Resources that could assist your tribe with adaptation planning
- Tribal profile on your tribe?
- Suggested webinar topics/presenters





Our Contact Information

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