

Tribal Climate Change Webinar Series:

Tribal Case Studies and Available Resources

January - February, 2015

Hosted by
Institute for Tribal Environmental Professionals
Northern Arizona University
<http://www4.nau.edu/itep/>



Tribal Climate Change Webinar Series

- January 15: Nooksack Indian tribe Climate Change Impacts Assessment, Vulnerability Assessment, and Adaptation Plan
- January 30: Tribal Landscape Conservation Case Studies
- February 23: Columbia River Inter-Tribal Fish Commission (CRITFC) Climate Impacts and Adaptation Projects
- **February 25: Climate Change Funding and Technical Resources for Tribes**

More information, registration links, and archived webinars are available at:

http://www4.nau.edu/itep/climatechange/tcc_webinars.asp

Funding for this webinar series has been provided by the USDA Forest Service Pacific Northwest Research Station.

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For more information about ITEP's Tribal Climate Change Program, please visit our website at: www4.nau.edu/itep/climatechange/

Climate Change Funding and Technical Resources for Tribes

Tribal Climate Change Webinar Series
February 25, 2015



NORTHERN ARIZONA
UNIVERSITY

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UNIVERSITY
OF OREGON

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University of Oregon
<http://tribalclimate.uoregon.edu/>

Institute for Tribal Environmental Professionals (ITEP) Resources

Training: Climate Change Adaptation Planning

- Introduction to planning for climate change impacts
- Over a dozen offerings since 2010
- Upcoming:
 - April 28-30, Pocatello, ID
 - June 16-18, Bishop, CA

Webinars



ITEP Resources

Tribes & Climate Change website

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

Tribal profiles (case studies)

Tribal Climate Change Adaptation Planning Toolkit

- Templates, worksheet, spreadsheet, checklist

Fact sheets

- climate change impacts and adaptation



ITEP Resources

Tribes & Climate Change Newsletter

- News stories, technical resources, upcoming events, funding opportunities,...
- Send request to susan.wotkyns@nau.edu

Resource lists

- Guides and tools for adaptation planning
- Tribal climate change assessments and plans



Other Trainings and Webinars

National Conservation Training Center (NCTC)

- Climate-Smart Conservation
- <http://training.fws.gov/>

Online training

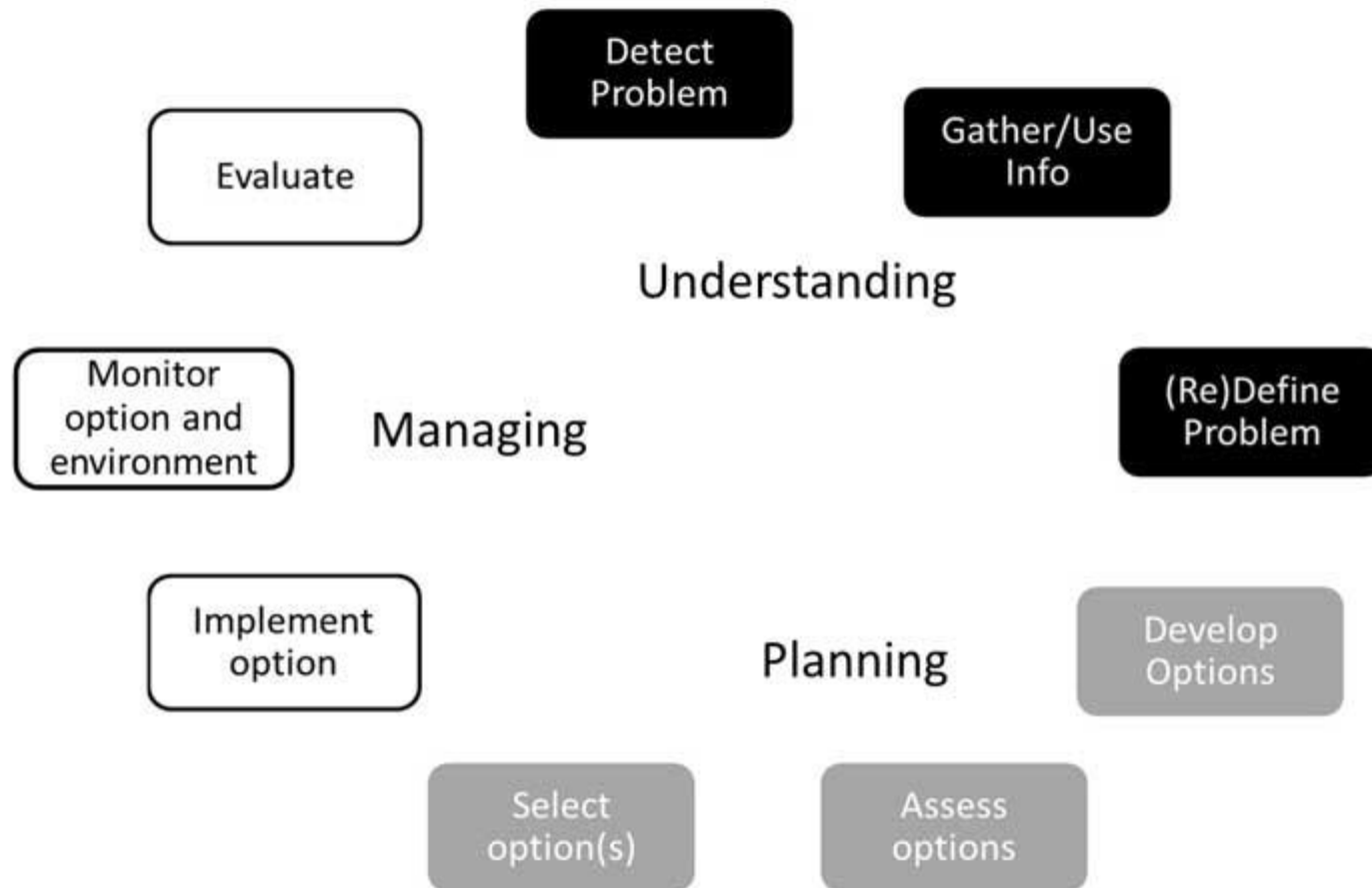
- NCTC - Intro to Communicating Climate Change (self-paced)
- Coursera

Webinars—there are many available

See ITEP's Climate Change Events calendar and newsletter

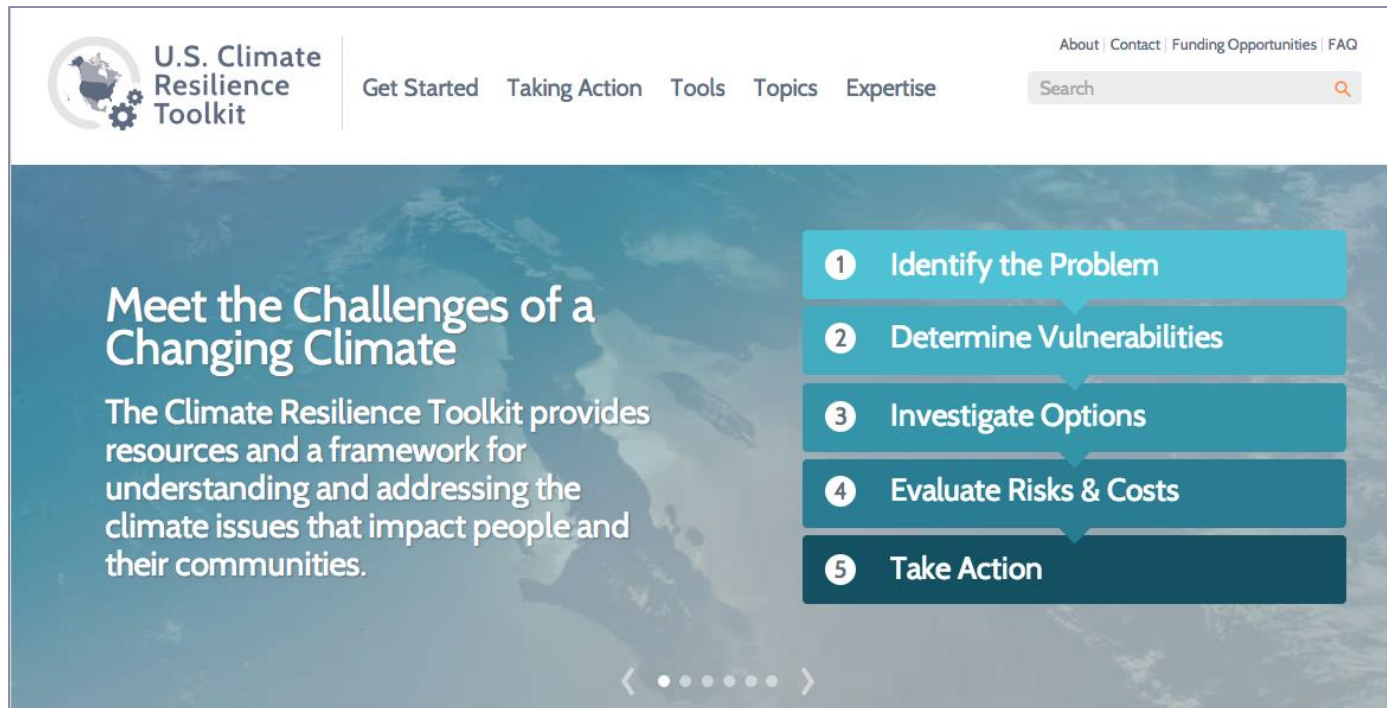
<http://www4.nau.edu/tribalclimatechange/events.asp>

Adaptation Planning Frameworks



Adaptation Planning Frameworks

US Climate Resilience Toolkit



Available at: <http://toolkit.climate.gov/>

Adaptation Planning Frameworks

National Sea Grant Resilience Toolkit



Available at:

<http://seagrants.noaa.gov/WhatWeDo/ResilienceToolkit.aspx>

Adaptation Planning Frameworks

Preparing for Climate Change

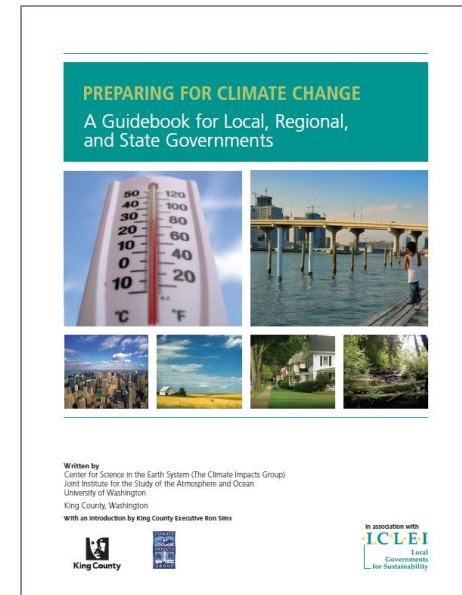
<http://cses.washington.edu/cig/fpt/guidebook.shtml>

Being Prepared for Climate Change: A Workbook for Developing Risk-Based Adaptation Plans

http://www2.epa.gov/sites/production/files/2014-09/documents/being_prepared_workbook_508.pdf

Climate Change Handbook for Regional Water Planning

<http://www.water.ca.gov/climatechange/CCHandbook.cfm>



Adaptation Planning Frameworks

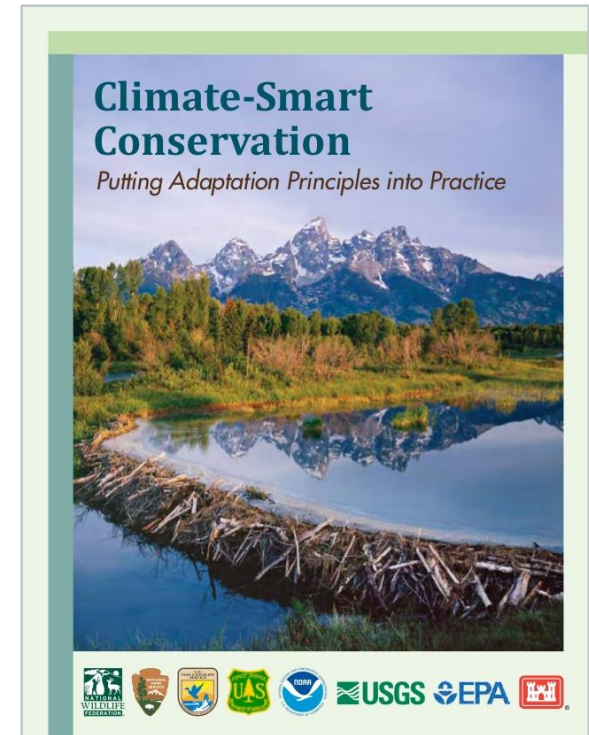
Climate-Smart Conservation

http://www.nwf.org/pdf/Climate-Smart-Conservation/NWF-Climate-Smart-Conservation_5-08-14.pdf

Adapting to Climate Change in Coastal Alaska

<http://seagrant.uaf.edu/map/climate/index.php>

And more...



Other Resources

CAKE (Climate Adaptation Knowledge Exchange)

- <http://www.cakex.org/>

Georgetown Climate Center Adaptation Clearinghouse

- <http://www.georgetownclimate.org/adaptation/clearinghouse>

Federal and EPA Adaptation Programs

- <http://epa.gov/climatechange/impacts-adaptation/fed-programs.html>

Upcoming event: National Adaptation Forum

- May 12-14, St. Louis, MO
- **Early Bird Registration & Travel Scholarship deadline: 2/28/15**
- <http://www.nationaladaptationforum.org/>

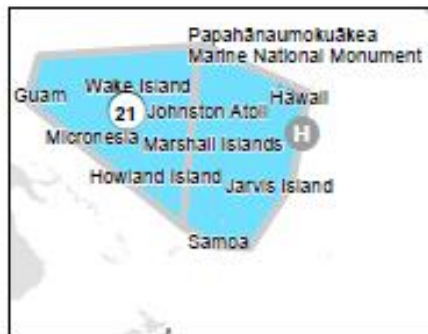
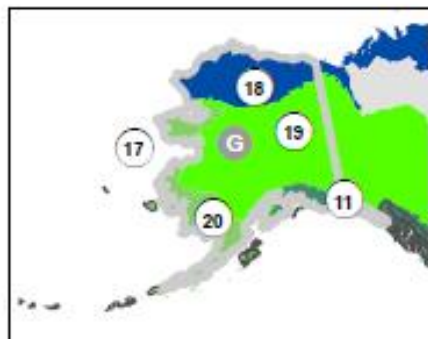


CLIMATE SCIENCE, RESEARCH AND FUNDING OPPORTUNITIES



U.S. Department of the Interior

Landscape Conservation Cooperatives - Climate Science Centers



DOI Climate Science Centers

- A Northwest
- S Southwest
- C North Central
- O South Central
- E Northeast
- S Southeast
- Alaska
- P Pacific Islands

Landscape Conservation Cooperatives

- 1. Appalachian
- 2. California
- 3. Desert
- 4. Eastern Tallgrass Prairie and Big Rivers
- 5. Great Basin
- 6. Great Northern
- 7. Great Plains
- 8. Gulf Coast Prairie
- 9. Gulf Coastal Plains and Ozarks
- 10. North Atlantic
- 11. North Pacific

- 12. Peninsular Florida
- 13. Plains and Prairie Potholes
- 14. South Atlantic
- 15. Southern Rockies
- 16. Upper Midwest and Great Lakes
- 17. Aleutian and Bering Sea Islands

- 18. Arctic
- 19. Northwestern Interior Forest
- 20. Western Alaska
- 21. Pacific Islands
- 22. Caribbean
- Unclassified

Climate Science Centers (CSC)

The Northwest CSC provides climate science and decision support tools to address conservation and management issues in the PNW.

- <https://www.nwclimatescience.org>



The Alaska CSC seeks to improve the understanding of the potential future responses of Alaska's high latitude ecosystems and species to changing climate regimes in support of effective adaptive management, sustainable use, and sustainable communities.

- <https://csc.alaska.edu/>



Landscape Conservation Cooperatives (LCCs)

- North Pacific LCC:
 - <http://www.northpacificlcc.org/>
- Great Northern LCC
 - <http://greatnorthernlcc.org/>
- Great Basin LCC
 - <http://www.greatbasinlcc.org/>



USDA Climate Hubs

- Develop and deliver science-based, region-specific information and technologies
- <http://climatehubs.oce.usda.gov/>
- **Northwest Climate Hub**
- <http://climatehubs.oce.usda.gov/northwest-hub>
- **Climate Change and Tribal Communities Engagement**
- <http://climatehubs.oce.usda.gov/northwest-hub/tribal-lands>



National and Regional Climate Assessments

- National Climate Assessment
 - Northwest Chapter:
<http://nca2014.globalchange.gov/report/regions/northwest>
 - Tribal Chapter:
<http://nca2014.globalchange.gov/report/sectors/indigenous-peoples>
- Northwest Climate Assessment:
 - <http://occri.net/reports>
- National fish wildlife and plants climate adaptation strategy
 - <http://www.wildlifeadaptationstrategy.gov/>

Regional Climate Science

- Climate Impacts Research Consortium
 - <http://pnwcirc.org/>
- Oregon Climate Change Research Institute
 - <http://occri.net/>
- UW Climate Impacts Group
 - <http://ces.washington.edu/cig/>
- The Northwest Fire Science Consortium
 - <http://www.nwfirescience.org/>
- USDA Forest Service PNW Research Station – Climate Change
 - <http://www.fs.fed.us/pnw/research/climate-change/>



Photo by: Benjamin Drummond-[Facing Climate Change](#)

Research Examples

- Washington Center on Ocean Acidification
 - <http://coenv.washington.edu/research/major-initiatives/ocean-acidification/>
- NorWest Stream Temp: Regional Database and Modeled Stream Temperature
 - <http://www.fs.fed.us/rm/boise/AWAE/projects/NorWeST.html>
- Scenarios Network for Alaska and Arctic Planning
 - <https://www.snap.uaf.edu/>
- Alaska Climate Science Center - Temperature and Precipitation Projections
 - <https://csc.alaska.edu/resource/temperature-and-precipitation-projections-arctic-lcc>.

Additional Resources and Organizations

PNW Tribal Climate Change Network: <http://tribalclimate.uoregon.edu/>

Regional Tribal Groups working on Climate Change

- Columbia River Intertribal Fish Commission - <http://www.critfc.org/>
- Affiliated Tribes of Northwest Indians - <http://atntribes.org/>
 - March 10-11, 2015 [Tribal Leaders Summit on Climate Change](#)
- Northwest Indian Fisheries Commission - <http://nwifc.org/>
- Intertribal Timber Council - <http://www.itcnet.org/>

Regional partners working on climate change

- Point no Point Treaty Council - <http://www.pnptc.org/>
- Puget Sound Partnership – <http://www.psp.wa.gov/>
- EcoAdapt - <http://www.ecoadapt.org/>
- Geos Institute - <http://www.geosinstitute.org/>
- Cascadia Consulting - <http://www.cascadiaconsulting.com/>
- Adaptation International - <http://adaptationinternational.com/>

Funding Resources

- PNW Tribal Climate Change Funding Database
 - <http://envs.uoregon.edu/tribal-climate>
- ITEP TCC website funding page
 - http://www4.nau.edu/tribalclimatechange/resources/res_funding.asp



Photo by: Benjamin Drummond-[Facing Climate Change](#)

Tribal Climate Change Guide to Funding, Program and Adaptation Plans

Type	Title	Tribe/Agency/ Organization	Grant Deadline	Description
Grant	WaterSMART: Development of Feasibility Studies under the Title XVI Water Reclamation and Reuse Program for Fiscal Year (BOR): weblink	BOR	3/3/2015	The objective of this Funding Opportunity Announcement (FOA) is to invite applicants to submit proposals to develop new water reuse feasibility studies. Applicants must provide 50 percent non-Federal cost share for the proposed activity.
Grant	NOAA Great Lakes Habitat Restoration Project Grants under the U.S. Great Lakes Restoration Initiative in Areas of Concern (NOAA): weblink	NOAA, U.S. Great Lakes Restoration Initiative	3/3/2015	Through this solicitation, NOAA seeks to openly compete funding available for habitat restoration in U.S. Great Lakes Areas of Concern (http://www.epa.gov/glnpo/aoc/) under the Great Lakes Restoration Initiative.
Grant	US FWS Great Northern LCC FY15 Guidance: weblink	GNLCC, USFWS	3/13/2015	Under this FY15 Great Northern LCC Funding Guidance, the US Fish and Wildlife Service Mountain-Prairie Region (FWS R6) is requesting project proposals in support of the Great Northern LCC. Awards issued pursuant to this announcement will be expected to result in various products or outcomes.
Grant	Economic Development Administration FY2012 Disaster Relief Opportunity: weblink	EDA	3/27/2015	The Economic Development Administration intends to award investments in regions experiencing severe economic distress as a result of natural disasters, which are often exacerbated by climate change. The program supports development and implementation of regionally based, long-term economic development strategies in response to Federally Declared disasters. This opportunity stems from a \$200 million

Current Funding Opportunities

- **The Great Northern Landscape Conservation Cooperative Strategic Science Support Program**

- Deadline: March 13, 2015
- Range of Awards Funded: \$25,000 - \$150,000
- More information:
http://greatnorthernlcc.org/sites/default/files/documents/gnlcc_fy15_funding_guidance.pdf

- **Community Food Projects Competitive Grants Program**

- Deadline: March 17, 2015
- Range of Awards Funded: up to \$300,000
- More information: <http://www.nifa.usda.gov/funding/cfp/cfp.html>

Current Funding Opportunities

Tribal Cooperative Landscape Conservation Program

Adaptation Funding to Help Strengthen Resilience for Communities

- **Climate Adaptation Planning (\$4 million)**
 - Category 1. Trainings and Workshops
 - Category 2. Climate Adaptation Planning
 - Category 3. Travel (climate)
- **Ocean and Coastal Management Planning (\$4 million)**
 - Category 4. Ocean and Coastal Management Planning
 - Category 5. Travel
- **Proposals are due by April 24, 2015**

Proposals should be submitted by email to climate.funding@bia.gov or to the attention of Helen Riggs, Deputy Bureau Director, Office of Trust Services, Bureau of Indian Affairs, 1849 C St., N.W., MS-4620-MIB, Washington, D.C. 20240.

Questions?

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