

Youth and Climate

Tribal Climate Resilience Resources

Tribal Colleges and Universities (TCUs) & K-12 Climate Programs

AIHEC (TCU by map or pull down)
National Indian Education Association
Bureau of Indian Education (BIA joint Climate Change photo context)
New! BIE map of Educational Centers in Indian County (in development)
AIHEC / SRI hosted WordPress site for TCUs Climate / STEM activities (Al Kuslikis)
IPCCWG website (Dan Wildcat)
NASA TCU Project (Bull Bennett)
Menominee SDI Climate Programs (Chris Caldwell)
NWIC / Tulalip / NEON / MIMES Climate Project
CSKT Climate Capacity Building Project (Adrian Leighton)
Haskell Environmental Research Studies Program (Dan Wildcat)
SIPI NSF Geospatial project with climate focus

Informal Tribal Climate Education Network Initiatives

AIHEC NSF AISL (Due Nov. 4, 2015) Native Climate Resilience Network (NCRN)
AIHEC IUSE (Due Nov. 3, 2015) with Mobile Lab component
POSOH Sustainability Cohort Project (community wide, cross-institutional collaborations)
First Nations Development Institute

Other Institutional Climate Programs

NAU ITEP Tribes and Climate
UO PNW Tribal Climate Network
Evergreen Native Programs
ESF Center for Native Peoples and the Environment
UAz Haury Native Nations Climate Adaptation Program (NNCAP)
SRI Environmental Science Instructional Solutions
State College and University Tribal Programs, Climate Programs???

CLIMATE INTERNSHIPS

NASA Tribal College and Univeristy ELO Program Internships
CMN SDI Indigenous Planning Summer Institute
NAU ITEP Environmental Education Outreach Program
American Indian College Fund Internships, Fellowships, Scholarships, and Opportunities
American Indian Higher Education Consortium Grant Opportunities
Bureau of Indian Affairs Climate Change Program Funding Opportunities
EPA Eco-Ambassadors Program
American Indian Science and Engineering Society Scholarships
MT Institute on Ecosystems Undergrad Research Projects
NW CSC / NP LCC / ATNI Tribal Climate Bootcamp
USFS NA Research Assistantships

RESEARCH TOOLS

Automated Geospatial Watershed Assessment (AGWA) tool
Tribal Climate Grant Writing Workshops
Indigenous Health Indicators
Local Environmental Observers Network
Seven Generation Community-Based Environmental Planning
Nature's Notebook (public phenology)
Project Budburst
Citizen Science Project Starter (private data collection)
Next Generation Science Standards: Weather and Climate
Penn State NSF Sustainable Climate Risk Management (SCRIM) w CMN SDI
National Ecological Observatory Network
NCAR UCAR Climate Data Guide & Data Discovery
EcoAdapt Climate Adaptation Knowledge Exchange (CAKE)

(Tribal) Climate Curriculum

Guidelines for Considering Traditional Knowledges in Climate Change Initiatives
National Climate Assessment, C.12. Indigenous Peoples, Lands, and Resources
Tribal Nations (and Arctic) in the U.S. Climate Resilience Toolkit tools, cases in six strategies
G-wow Guiding for Tomorrow (Great Lakes)
Ocean Acidification Curriculum Collection (OACC - Suquamish lead)
NCTC vulnerability assessment on demand, Climate Smart
NAU ITEP Climate Adaptation Toolkit
NAU ITEP Climate Event Calendar
Evergreen Native Cases Projects (developing climate-related ones starting w SKT/CSKT/BFN)
NOAA Teaching Climate
NASA Global Climate Change for Educators
EPA Lesson Plans for Educators
Alaska Native Knowledge Network
Climate-Eval - Climate Change Development Evaluation Practice

Student Climate Groups and Conferences

Indigenous Peoples Climate Change Working Group (website coming soon!)
CMN SDI Shifting Seasons Annual Summit
Early Career Climate Forum
AISES Programs

TRAINING

SC CSC Climate Webinar Series for Students
Kiksapa pre-intern In-Class Webinars (both hs and college)
On demand tribal climate student webinars

Examples

College of Menominee Nation Sustainability Development Institute
Mescalero Apache Tribe Sovereign Nation Service Corps and 4H programs
Suquamish Students Build Resilience through Ocean Education

Getting College / Career / STEM / CLIMATE_ready!

\$5.3M to help American Indian Youth Become College-Career Ready
Join Whitehouse Generation Indigenous Native Youth Challenge
Khan Academy - become a math pro all on your own online (Gates Foundation)
BYU High School and others (get caught up in the summer online)
Coursera and other MOOCs for thousands climate courses on-demand
2014 Native Youth Report (challenges)

Rough draft for meeting Oct. 1, 2015 with updates post meeting

<http://www.aihec.org/who-we-serve/TCUmap.cfm>
<http://www.niea.org/>
<http://www.bie.edu/cs/groups/xbie/documents/document/ldc1-030606.pdf>
BIA climate program may make interactive to choose a BIE school or TCU to obtain climate related info
Under consideration for FY16, Q1 development
in development along with a 501(c)3
<http://kiksapa.com/web/nasa-kiksapa-welcome>
<http://sustainabledevelopmentinstitute.org/about-us/the-menominee-theoretical-model-of-sustainability/>
<https://toolkit.climate.gov/taking-action/tulalip-tribes-saving-their-sacred-salmon>
http://tribalclimate.uoregon.edu/files/2010/11/CSKT_CC_Profile_11-27-2013-2fo96h4.pdf
<http://www.haskell.edu/sponsored-programs/hers.php>
http://www.nsf.gov/discoversies/disc_summ.jsp?cntn_id=127232

http://www.nsf.gov/funding/pgm_summ.jsp?pins_id=504793
http://www.nsf.gov/pubs/2015/nsf15585/nsf15585.htm?amp%3BWT.mc_ev=click
<http://posohproject.org/>
<http://www.firstnations.org/>

<http://www7.nau.edu/itep/main/tcc>
<http://tribalclimate.uoregon.edu/>
<http://evergreen.edu/nativeprograms/home>
<http://www.esf.edu/nativepeoples/projects.htm>
<http://www.ccass.arizona.edu/nncap>
<http://sisis.sri.com/#>

other non-tribal institutions with tribal climate programs?

<http://kiksapa.com/web/nasa-kiksapa-welcome/nasa-kiksapa-welcome;jsessionid=9699AFA9862F05C6A3051D7CF11D84F2>
<http://sustainabledevelopmentinstitute.org/2015/03/summer-2015-sdi-internships/>
<http://www7.nau.edu/itep/main/eeop>
<http://www.collegefund.org/internships>
<http://www.aihec.org/what-we-do/grants.cfm>
<http://bia.gov/WhoWeAre/BIA/climatechange/index.htm>
<http://www.epa.gov/ecoambassadors/tribal/>
<http://www.aises.org/scholarships>
<http://www.montanaioe.org/news/undergrads-begin-environmental-research-projects-across-montana>
<http://www.usgs.gov/newsroom/article.asp?ID=4320&from=rss>
<http://wildlife.org/research-assistantships-available-for-native-americans/>

<http://www.tucson.ars.ag.gov/agwa/>
<http://southcentralclimate.org/>
<https://toolkit.climate.gov/tool/indigenous-health-indicators-tool>
<https://toolkit.climate.gov/tool/local-environmental-observer-leo-network>
<https://toolkit.climate.gov/tool/seven-generations%E2%80%9494community-based-environmental-planning>
https://www.usanpn.org/natures_notebook
<http://budburst.org/>
<http://citsci.org/cwis438/websites/citsci/home.php?WebSiteID=7>
<http://www.nextgenscience.org/hssp-wc-weather-climate>
<http://scrimhub.org/opportunities/summer-school/>
<http://www.neoninc.org/>
<https://climatedataguide.ucar.edu/>
<http://www.ecoadapt.org/programs/cape>

<https://toolkit.climate.gov/tool/guidelines-considering-traditional-knowledges-climate-change-initiatives>
<http://nca2014.globalchange.gov/report/sectors/indigenous-peoples>
<https://toolkit.climate.gov/topics/tribal-nations>
<https://toolkit.climate.gov/tool/g-wow-guiding-tomorrow-changing-climate-changing-culture-initiative>
<https://toolkit.climate.gov/tool/ocean-acidification-curriculum-connection>
<https://toolkit.climate.gov/tool/climate-smart-conservation-putting-adaptation-principles-practice>
<https://toolkit.climate.gov/tool/tribal-climate-change-adaptation-planning-toolkit>
<http://www7.nau.edu/itep/main/tcc/Home/Events>
<http://nativecases.evergreen.edu/>
<https://www.climate.gov/teaching>
<http://climate.nasa.gov/resources/education/>
<http://www3.epa.gov/climatechange/kids/resources/lesson-plans.html>
<http://www.ankn.uaf.edu/>
<https://www.climate-eval.org/>

<https://www.facebook.com/pages/Indigenous-Peoples-Climate-Change-Working-Group/205930409437836?sk=wall>

<https://www.eccforum.org/>
<http://www.aises.org/programs>

Kim Winton and other CSCs may develop and post these
<http://kiksapa.com/web/nasa-kiksapa-welcome/nasa-kiksapa-welcome;jsessionid=9699AFA9862F05C6A3051D7CF11D84F2>
TBD

<https://toolkit.climate.gov/taking-action/college-menominee-nation-sustainable-development-institute-builds-capacity-tribal>
<https://toolkit.climate.gov/taking-action/mescalero-apache-tribe-adapts-warmer-and-drier-climate>
<https://toolkit.climate.gov/taking-action/suquamish-build-resilience-ocean-acidification-through-education>

<http://www2.ed.gov/programs/indiandemo/awards.html>
<https://www.whitehouse.gov/nativeamericans/generation-indigenous>
<http://khanacademy.org/>
<https://is.byu.edu/site/courses/index.cfm?school=hs&university=false%7Chigh-school=on%7Cmiddle-school=false%7Ccontinuing-education=false%7Cig=on%7Conline=on%7Cpaper=on>
<https://www.coursera.org/course/sids>
https://www.whitehouse.gov/sites/default/files/docs/20141129nativeyouthreport_final.pdf

<http://www.aih>
<http://www.nie>
<http://www.bie>

Building Ed Nations through Traditional Foundations (w/ climate), Oct 14-17, Portland, OR

<http://kiksapa.c>
<http://sustainab>
<https://toolkit.cl>
<http://tribalclim>
<http://www.has>
<http://www.nsf>

Native Climate Resilience Network, ideal TCU hub role within their communities, access higher institutions, data analysis, research infrastructure, emerging tech - very well position to the
<https://www.facebook.com/pages/Indigenous-Peoples-Climate-Change-Working-Group/205930409437836?sk=wall>
https://www.nasa.gov/offices/education/programs/descriptions/Tribal_Colleges_University_Project_Internships.html

<http://www.nsf>
<http://www.nsf>
<http://posohpro>
<http://www.firs>

Example Mobile Community College WQ lab
http://www.rcc.edu/sites/default/files/water-quality-management-WQMMobilelabFactsheet_14.pdf

Food Summit, Oct 26-29 Green Bay, WI

<http://www7.na>
<http://tribalclim>
<http://evergree>
<http://www.esf>
<http://www.sca>
<http://sisis.sri.c>

<http://kiksapa.c>

Apply through AIHEC, Haskell, or NASA internship opportunity websites

<http://sustainab>
<http://www7.na>
<http://www.coll>
<http://www.aih>
<http://bia.gov/>
<http://www.epa>
<http://www.ais>
<http://www.mo>
<http://www.usg>
<http://wildlife.o>

<http://www.tuc>
<http://southcen>
<https://toolkit.cl>
<https://toolkit.cl>
<https://toolkit.cl>
<https://www.us>
<http://budburst>
<http://citsci.org>
<http://www.nex>
<http://scrimhub>
<http://www.neo>
<https://climated>
<http://www.eco>

<https://toolkit.cl>

Includes CC IP Primer and Ethics of TK Exchange

http://nca2014.globalchange.gov/system/files_force/downloads/high/NCA3_Full_Report_12_Indigenous_Peoples_HighRes.pdf?download=1
<https://toolkit.climate.gov/topics/arctic>

<https://toolkit.cl>

<http://training.fws.gov/courses/programs/climate-change/training-resources.html>

<http://www7.na>

Includes MOOCs and every type of training on climate available

<http://www.cse.emory.edu/cases/>

<https://www.cli>
<http://nativecas>
<https://www.cli>
<http://climate.n>
<http://www3.ep>
<http://www.ank>
<https://www.cli>

<https://www.fa>

Fall conference: Hampton Inn Convention Center, New Orleans. Nov. 5-7, 2015

<https://www.ec>
<http://www.ais>

<http://necc.umass.edu/news/shifting-seasons-building-tribal-capacity-climate-change-adaptation-summit>

<http://kiksapa.c>

Kim Winton and Dec. 3, Norman Oklahoma,

<https://toolkit.cl>
<https://toolkit.cl>
<https://toolkit.cl>

<http://www2.ed>

How work with awarded institutions to incorporate climate-ready efforts in their pilots

<https://www.w>
<http://khanacad>
<https://is.byu.e>
<https://www.co>
<https://www.w>