



# Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

November 2020

Welcome to our monthly newsletter which provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.



*Naadaa. Corn. Photo copyright N.Cooley*

## Meet the Climate Change Team

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**H**appy December! Yes, it is the November newsletter and I am a few hours late in getting it out during the month it's named for. That's okay though because there are bigger things to worry about. As many of you are thinking, I, too, cannot believe it is already December. Some of you are thinking, thank goodness it's December. We are ready for the Gregorian calendar year of 2020 to be over and we've been ready since March or even earlier.

As I've mentioned in previous newsletters, I am a positive person who has an incessant need to visualize positivity. For as long as I can remember, I have looked forward to my date of birth. I do not necessarily broadcast my birthday on social media, emails, or postal mail. Look at me now. I'm doing it via a newsletter that goes out to hundreds of people across the country and world. I know I share my date of birth with many of your wonderful people. December is a great time to have a birthday because I usually get double the gifts.

In high school, I continually reminded my friends of my birthday and my best guys responded in kind by giving me an amazing gift which I had to earn by figuring out how to "unwrap" because it was covered in duct tape. Those young men were my best friends who taught me how to skateboard, how to talk to boys, punk music, and how to be happy. For an angst-filled young woman, their love and support set me up for the next stages of my life.

When my life partner proposed to me, he proposed to me during my birthday month and instead of a ring, he

presented me with the most beautiful pair of turquoise earrings. After fourteen years, he continues to gift me turquoise earrings for my birthday. I had once shared with him that the Navajo wear turquoise because the Holy People look to the people to make sure we continue to honor them.

I enjoy my birthdays and not to mention, celebrating other people's birthdays. Each year, I see not only my own spiritual and emotional growth but admire how others have and are progressing especially after hardship. There are many people who did not or will not have the opportunity to grow old to see their hair turn silver or see their children grow.

My family has always reiterated the significance of respecting our elders and not just because they have earned that respect. Our elders have endured hardship in many forms and we should only be so lucky to receive their wisdom. At almost 41 years, I feel like I am just starting to understand and fully appreciate what our elders went through. For their future generations to survive and prosper. You only want better for your children and grandchildren.

I hope you take the time to listen and visit with your loved ones especially your elders. Celebrate them. While you're at it, celebrate yourself. You deserve it! If you have time, see the video our dear friend, Mike Durglo, Jr. made during past visits with his elders.

### [Confederated Salish & Kootenai Elders](#)

Sincerely, Nikki Cooley on behalf of [The Climate Team](#)

### [Advisory Committee Members:](#)

#### [Tribal Representatives:](#)

**Jerry Cain**  
Mississippi Band of Choctaw Indians

College of Menominee Nation

**Jamie Donatuto**  
Swinomish Indian Tribal Community

**Michael Durglo, Jr.**  
Confederated Salish & Kootenai Tribes (CSKT)

**Shasta Gaughen**  
Pala Band of Mission Indians

**Desirae Roehl**  
Alaska Native Tribal Health Consortium

#### [Federal Agency Representatives:](#)

**Lisa Bacanskas**  
U.S. Environmental Protection Agency

**Alicia Bell-Sheetter**  
U.S. Forest Service

**Erica Bollerud**  
U.S. Environmental Protection Agency

**Ashely Fortune Isham**  
U.S. Fish & Wildlife Service

**Rachael Novak**  
Bureau of Indian Affairs

**Chris Swanston**  
U.S. Forest Service/NIACS

**Shasta Gaughen**  
Pala Band of Mission Indians

#### [Tribal Resilience Liaisons:](#)

**Malinda Chase**  
Alaska Climate Adaptation Science Center & Aleutian Pribilof Islands Association

South Central Climate Adaptation Science Center

**Chas Jones**  
Northwest Climate Adaptation Science Center & Affiliated Tribes of NW Indians

**Sara Smith**  
Northeast Climate Adaptation Science Center & College of Menominee Nation

**Stefan Tangen**  
North Central Climate Adaptation Science Center & Great Plains Water Alliance

**April Taylor**  
South Central Climate Adaptation Science Center & Chickasaw Nation

**Casey Thornburgh**  
Northeast/Southeast Climate Adaptation Science Center & United Southeastern Tribes

**Althea Walker-Ortiz**  
Southwest Climate Adaptation Science Center & American Indian Higher Education Consortium

# In The News

## [Climate Change Intensifies Tsunami Threat in Alaska](#)

Tucked against glacier-capped mountains, the Begich Towers loom over Whittier, Alaska. More than 80% of the small town's residents live in the Cold War-era barracks in this former secret military port, whose harbor teems every summer with traffic: barnacle-encrusted fishing boats, sightseeing ships, sailboats, superyachts and cruiseliner monstrosities. This summer, coronavirus travel restrictions put a damper on tourism in the usually buzzing port. Then came warnings of a potentially devastating tsunami. © 2020 High Country News, 11/09/20

## [The Rebirth of a Historic River](#)

For over a century, one of the most important salmon runs in the United States has had to contend with historic dams – and now four of them are set to be taken down. “My great uncle and my grandma and my great grandparents and, I’m sure, their great grandparents: they were all fishermen. That’s just what they did – they fished and it was out of necessity to support their families. And it’s because that’s what we’ve always done and we’ve never known another life,” says Amy Cordalis, the general counsel of the Yurok, and a member of California’s largest indigenous tribe. © BBC, 11/10/20

## [APS Offering \\$144M to Arizona Tribes and Others Affected by Coal Plant Closures](#)

Arizona Public Service is proposing to offer \$144 million in help to three coal-country and tribal communities where the company eventually will close its remaining coal-burning power plants. The plan would not only provide large investments to the Navajo Nation, Hopi tribe, and Joseph City area, but also includes plans to retain workers, electrify regions of the Navajo reservation that are off the power grid, and develop renewable energy projects like solar and wind plants. © AZCentral, 11/12/20

## [Native American Tribe Aims for Net-Zero Emissions](#)

About an hour outside of Minneapolis, on the Mississippi River, next to a nuclear generating plant, a Mdewakanton Sioux Indian reservation is creating a net-zero energy system. “The net zero project is a transformation opportunity for our

Tribe; we can reshape our energy future,” said Tribal Council President Shelly Buck in a release. © The Hill, 11/12/20

## [A Whistleblower Speaks Out Over Excavation of Native Sites](#)

In 2009, while excavating prehistoric artifacts, graduate student archaeologists from the University of California-Davis found Indigenous funerary objects and fragments of human bone. But despite what the law requires, according to internal documents obtained by High Country News, the archaeologists kept digging at the site. They continued the excavation, and apparently left a local tribe in the dark about their findings for years. © High Country News, 11/12/20

## [Tribal Nations, Forest Service Partner to Revive Oak Tree Population](#)

Partners involved in the Emory Oak Collaborative Tribal Restoration Initiative visited oak stands in 2019. The Yavapai Apache Nation requested the U.S. Forest Service and other partners evaluate the health of the species in Arizona after seeing a decline in the health of oak stands. The initiative was announced Nov. 2 at the start of National Native American Heritage Month. © The Journal, 11/19/20

## [Inuit Activist Sheila Watt-Cloutier on the Cultural Value of Ice and Snow](#)

Watt-Cloutier grew up in the northern Canadian territory of Nunavut. Until she was 10, she traveled only by dog sled. “And so we were very much connected to the ice, the snow, and the cold,” she says. In her book, “The Right to Be Cold,” Watt-Cloutier explains how global warming threatens this traditional lifestyle. © Yale Climate Connections, 11/23/20

## [An Ancient People with a Modern Climate Plan](#)

For 10,000 years, the Swinomish tribe has fished the waters of northwestern Washington, relying on the bounty of salmon and shellfish not only as a staple of its diet but as a centerpiece of its culture. At the beginning of the fishing season, the tribe gathers on the beach for a First Salmon ceremony, a feast honoring the return of the migratory fish that binds the generations of a tribe that

calls itself the People of the Salmon. © The Washington Post, 11/24/20

## [Alaska’s Controversial Pebble Mine Fails to Win Critical Permit. Likely Killing It](#)

The Army Corps of Engineers on Wednesday denied a permit for the proposed Pebble Mine in Alaska, likely dealing a death blow to a long-disputed project that aimed to extract one of the world’s largest deposits of copper and gold ore, but which threatened breeding grounds for salmon in the pristine Bristol Bay region. © The New York Times, 11/25/20

## [‘Our Right to Fire’: Tribes Battle Agencies, Old Policies to Restore Fire Practices](#)

In Northern California, tribes with tiny land bases must fight the federal government to exert their right to manage their lands. © Gannet 2020, 11/26/20

## [In Canada’s Boreal Forest, a New National Park Faces the Wrongs of the Past - and Guards Our Climate Future](#)

Thaidene Néné, declared this summer, is a milestone for an Indigenous-led conservation movement that can help keep carbon in the ground and protect crucial habitat as the planet warms. © National Audubon Society, 11/19

## [Climate Change Intensifies Tsunami Threat in Alaska](#)

Tucked against glacier-capped mountains, the Begich Towers loom over Whittier, Alaska. More than 80% of the small town's residents live in the Cold War-era barracks in this former secret military port, whose harbor teems every summer with traffic: barnacle-encrusted fishing boats, sightseeing ships, sailboats, superyachts and cruiseliner monstrosities. This summer, coronavirus travel restrictions put a damper on tourism in the usually buzzing port. Then came warnings of a potentially devastating tsunami. © 2020 High Country News, 11/09/20



# Resources

## **The Northern Institute of Applied Climate Science and USDA Northern Forests Climate Hub – Adaptation Planning and Practices Online Course**

NIACS and the USDA Northern Forests Climate Hub are offering the Forest Adaptation Planning and Practices training as an online course for forest and natural resource managers in the Midwest and Northeastern regions. There is no registration fee for this course. For more information and to register, [click here](#).

## **[Alaska Forum on the Environment](#)**

Technical sessions and environmental trainings are now offered all year long, through December 2021. To keep the tradition of the AFE event alive, enhanced content, trainings and world-renown keynotes will still take place February 8-11, 2021.

## **The Impact of COVID-19 on the Lives of Indigenous Women and Their Strategies to Deal with the Pandemic**

The spread of the COVID-19 pandemic has exposed the structural historical inequalities experienced by Indigenous Women, being ranked among the groups most at risk due to the particular conditions in which indigenous peoples live. [Click here](#) to review the International Indigenous Women Forum documentation of the impacts of COVID-19 on the lives on Indigenous women.

## **Updated CREAT Risk Assessment Application for Water Utilities**

Creating Resilient Evaluation and Awareness Tool is a risk assessment that helps utilities to adapt to extreme weather events by better understanding current and long term conditions. To review this assessment tool, [click here](#).

## **National Integrated Drought Information System (NIDIS): Tribal Drought Engagement Strategy for the Midwest and Missouri River Basin**

In order to ensure the inclusion of indigenous perspectives in the implementation of our DEWS, NIDIS launched a Tribal Drought Engagement initiative in January 2019 in collaboration with the Masters of Environment Program at the University of Colorado-Boulder. The project aimed to strengthen relationships with tribal managers across the Missouri River Basin and Midwest DEWS regions in order to effectively deliver timely and relevant drought information. For more information [click here](#).

## **Storytelling & Resonance: Creating a Culture of Empathy & Support**

Creating a culture of empathy and support is an important tool to combat isolation and individualism in our organizations and movements, especially during COVID-19. Join River Network's 2020 Emerging Leader, Megan Nguyen, as she creates a space for attendees to share stories and listen to others' perspectives. Come away with a better understanding of the value of connecting through storytelling, and how these tools can be weaved into your work. [Click here](#) to view the video.

## **Voice from the River – Meet Daryl Vigil**

Meet 2020 Compton Award recipient Daryl Vigil (Jicarilla Apache, Jemez Pueblo, Zia Pueblo) and hear about his relationship to water and COVID-19's impacts. [Click here](#) to view the video.

## **Climate Justice Academy – Dr. Kyle Whyte**

This video features Dr. Zoltan Grossman's briefing on Northwest Native climate resilience, the Quinault documentary "The Rising", Dr. Whyte's amazing talk on "Making Kin with Climate Change," and the Q & A. [Click here](#) to view the video.

## **Native Perspectives on Public Land and Tribal Preservation**

The Grand Staircase-Escalante National Monument has deep historical and modern-day connection to Native peoples, including the Hopi, Zuni, Dine/Navajo, San Juan Southern Paiute, Kaibab Paiute, Ute, Ute Mountain Ute, and Acoma nations. The Grand Staircase Escalante Partners partnered with the Grand Canyon Trust (GCT) to bring you a five-part teach-in series, hosted by Talia Boyd, Cultural Landscapes Program Manager for GCT. To listen to the video recordings, [click here](#).

## **Announcing the Launch of the Energy Sovereignty Institute (ESI) Website**

ESI is pleased to announce the launch of their new online information clearinghouse and resource-based website. The website offers practical information to support the design and development of sustainable tribal energy projects, including how-to guides for residential, community facility, and utility scale projects, as well as community microgrid systems. Resources include technical and funding information, case studies, and downloads. There is also a discussion forum to support stakeholder communications. To view the website, [click here](#).

## **Food Sovereignty and Self-Governance: Inuit Role in Managing Arctic Marine Resources**

For thousands of years, Inuit have been part of the Arctic ecosystem. Inuit have thrived and built their culture rooted in values that shape the relationships they have held with everything within this ecosystem. Those values – including respect, collaboration, and sharing – all aid in supporting healthy and harmonious relationships and communities. A core element of Inuit culture that incorporates these values is hunting, gathering, and preparing foods. Discussions about food security require an understanding of the far-reaching implications of how issues of food security interact with culture, history, management systems, and world views. To review the full report, [click here](#).

## **Convention on Biological Diversity (CBD) - Global Biodiversity Outlook (GBO)**

GBO-5 provides global summary of progress towards the Aichi Biodiversity Targets and is based on a range of indicators, research studies and assessments, as well as the national reports provided by countries on their implementation of the CBD. The national reports provide rich information about the steps taken in countries worldwide in support of biodiversity conservation, sustainable use, and the fair and equitable sharing of benefits. To review the report, [click here](#).

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**New Climate Change Adaptation Plan:  
Ute Mountain Ute Tribe Climate Action Plan**

A Collaboration of the Ute Mountain Ute Tribe Climate Change Adaptation Planning Working Group and Colorado State University.

*Suggested Citation:* Ute Mountain Ute Tribe, 2020. Núchíú Ute Mountain Ute Tribe Climate Action Plan.

**The USDA 1994 Tribal Scholars Program**

This program was established in 2008 in partnership with the USDA and 1994 institutions, tribally controlled colleges, and universities with land-grant status. The program provides full tuition, fees, books, and a summer internship to students pursuing degrees in agriculture, food, natural resource sciences, or related academic disciplines. When the student has completed the academic and summer work requirements of the scholarship, USDA may convert the student to a permanent employee without further competition. **Application deadline: January 31, 2021**

**UC Santa Cruz Doris Duke Scholars Program**

This two-year program serves students with the highest potential to make sustained contributions as conservation innovators and leaders to increase the racial, ethnic and cultural diversity of the conservation field. The program is looking for 20 passionate, creative undergraduate students from any major, currently in their freshman or sophomore years or within at least two more years of college left. Doris Duke Conservation Scholars must be U.S. citizens, nationals, or “dreamers” enrolled at or accepted as transfer students to four-year colleges or universities anywhere in the U.S. or its territories.

**Application deadline: February 1, 2021**

**PhD Assistantships at San Diego State University**

The Department of Geography at San Diego State University has five fully funded lines in AY 2021/22 for the Ph.D. Program in Geography offered jointly with the University of California, Santa Barbara (UCSB). All Ph.D. students are fully funded for 4 years, including salary, tuition at SDSU and UCSB, and full health and other benefits. Highly motivated applicants interested in human geography, environment and society, geographic information science, and climate, water and ecosystems are encouraged to apply.

**Wildland Fire Assistance Available in Oregon**

Individual Disaster Assistance from FEMA for Oregonians who lost their homes in Clackamas, Klamath, Linn, Lane, Douglas, Marion, Jackson, and Lincoln counties are eligible to register and receive fire recovery funds.

**North Central Climate Adaptation Center – Tribal Climate Leaders Program**

The Tribal Climate Leaders Program (TCLP) supports Native American graduate students to become the next generation of tribal environmental leaders. The TCLP currently provides 5 fully funded, 2-year fellowships to pursue a graduate degree at the University of Colorado Boulder in fields related to climate adaptation science. The program is open to Native American students affiliated with the 32 federally-recognized tribes in the 7-state North Central region.

**U.S. Department of Agriculture, Climate Hubs – Supporting Climate Change Mitigation Through K-12 Student Education**

Investing in K-12 climate change education can provide valuable returns in the form of both long-term and short-term mitigation. In addition to the influence that education can have on students’ actions as future stakeholders, research shows that children can be effective agents of change within their families regarding environmental behaviors. The Southwest Climate Hub partnered with the nonprofit Asombro Institute for Science Education to create engaging and scientifically rigorous secondary education units on climate change and the water cycle, agricultural systems, and the carbon cycle. Three units are available for educators and can be found [here](#).

**Environmental Science for Society Certificate Program**

The Transdisciplinary Environmental Science for Society (TESS) initiative at the University of Arizona has developed a set of online professional development short-courses, to equip future generations of researchers, practitioners, political leaders, and educators with the knowledge to actively confront society’s most complex environmental challenges. Many researchers want to apply their research to real-world problems, and decision makers want better access to advances in science. TESS content helps researchers and practitioners to bridge the gap between science and the needs of society. TESS is built for both working professionals to work at their own pace. Once each course is completed, participants will receive a digital badge and will be eligible to receive 2 continuing education units per course. Part 2, on Practicing Collaborative Research begins January 25, 2021.

**Call for Abstracts: 11th Northwest Climate Conference**

Abstracts may be submitted for oral presentations, poster presentations, and special sessions. The conference will take place online April 6-8, 2021. The Program Committee welcomes submissions on a range of themes and topics related to climate science, impacts, adaptation, and management decisions. Presentations are welcomed on work that links science, decision makers and communities. NWCC is committed to building equity and diversity in climate science, policy, and adaptation practice and supporting equitable climate adaptation outcomes.

For more information, click [here](#). **Abstract submission deadline: November 27, 2020**

**Funded PhD Opportunity at RIT**

The Energy Sovereignty Institute is collaborating with the Rochester Institute of Technology to offer a fully funded PhD in Sustainability for a highly motivated student focusing on energy sovereignty research topics. The ideal student would have significant experience working with Indigenous communities and a strong understanding of and sensitivity to Indigenous cultures. Financial support is available to cover tuition and a monthly stipend. For more information and to apply, click [here](#). **Application deadline: January 15, 2021**

# Other Items of Interest

## Assistant Professors: Cluster Hire Focused on Sustainability and Equity

The Department of Geography and Environmental Sustainability at the University of Oklahoma invites applications for tenure-track positions at the level of Assistant Professor as part of a cluster focused on Sustainability and Equity. Candidates whose research, teaching and/or service has prepared them to be an integral contributor to advancement of inclusive and diverse communities are welcomed.

## Pathways Recent Graduate:GS-11/12 Geographer/Physical Scientist (Climate Impacts)

The SE Climate Adaptation Science Center is recruiting for a current or recent graduate to engage with natural resource managers and USGS scientists to develop and deliver climate science research and technical assistance to better understand the impacts of a changing climate on eastern US ecosystems and species. Applicants should have a firm understanding of climate models and appropriate application of model outputs in impact studies. Contact Ryan Boyles, [rboyles@usgs.gov](mailto:rboyles@usgs.gov).

## International Global Change Science Lead

The U.S. Global Change Research Program's (USGCRP) International Global Change Service Lead is responsible for coordinating and overseeing implementation, under the direction of Program leadership, interagency activities to promote international cooperation on global change research. This work includes a range of functions to help the Program coordinate Federal activities with those of other nations and international science organizations, and to foster the integration of international science activities into USGCRP activities as appropriate.

## Job: President & CEO: American Rivers

This is a remarkable opportunity for an outstanding leader to join the nation's leading river conservation organization and to transform the future of clean water and healthy rivers for all. This position will be responsible for carrying out American Rivers' consistent achievement of its strategic plan. This leader will bring true visionary leadership to the operations, staff, Board, funders, partners, and constituents of American Rivers and will be a forward-thinking and innovative leader who is committed to the core values and mission of the organization. To make recommendations or to express your interest in this role click here or email [americanrivers@koyapartners.com](mailto:americanrivers@koyapartners.com).

## **Research Fellow: Southwestern U.S. Energy Transition**

The Institute for Energy Economics and Financial Analysis (IEEFA) in partnership with the Grand Canyon Trust (GCT) is seeking a full-time Fellow to conduct topical research on energy-transition issues in the southwest. This position will be based in the southwestern U.S. or in the southwestern tribal nations and preference will be given to current residents of those areas. Research priorities will be developed in partnership with IEEFA and GCT staff and will be informed by the research interests of the fellow. Interested applicants should send a resume, cover letter and writing sample to [fellowship@ieefa.org](mailto:fellowship@ieefa.org). All submissions should be sent by email with the phrase, "Southwestern Research Fellowship" in the subject line.

## Department of Environmental and Occupational Health Sciences seeking Post-Doctoral Scholar

The DEOHS at the University of Washington (UW) School of Public Health in conjunction with the UW Center for Health and Global Environment (CHaNGE) seek an outstanding Post-Doctoral Scholar to assist in a suite of climate and health projects. These projects include an effort to collect information on municipal heat action plans and activities to reduce exposure to extreme heat and an effort to assess the impact of an indigenous climate change health adaptation effort undertaken by the Swinomish Indian Tribal Community.

## Olajos-Goslow Chair in Environmental Science and Policy – Northern Arizona University (NAU)

NAU seeks an internationally recognized scholar and leader in ecology and conservation biology to fill the Charles Olajos and Ted Goslow Chair in Environmental Science and Policy. The Chair provides interdisciplinary leadership and national stature to NAU's demonstrated strengths in ecological science, conservation, and environmental policy. **Application review will begin on November 30, 2020, but the vacancy will be open until filled.**

## CASC Network Climate Adaptation Scholars Program

The CASC Network is offering seven postdoctoral research positions as part of the Climate Adaptation Scholars (CAS) Program. This program aims to provide management-relevant research on the effects of climate change to fish, wildlife, and ecosystems through a nationally coordinated postdoctoral research program.

## North-Central MN Forest Restoration Partnership Manager

Join the Nature Conservancy and help create a world where people and nature thrive! The team works to improve forest health and resilience while mitigating and adapting to climate change. This position facilitates an exciting partnership with the Chippewa National Forest, the Leech Lake Band of the Ojibwe, and a number of other partners working across North Central and Central Minnesota forests. The landscape spans the headwaters of the Mississippi River, thousands of lakes, and millions of acres of forests important for their cultural, biological, economic, and recreational values. **Application deadline: November 30, 2020**

## **Mendenhall Research Fellowship Program**

The USGS Wetland and Aquatic Research Center seeks a Mendenhall Fellow to collaborate with USGS scientists researching invasive species and other conservation and restoration issues. The Fellow's research would focus on the valuation of natural resources and ecosystem services impacted by invasive species and the cost and benefits of management actions. **Application deadline: January 4, 2021**

## NOAA Climate & Global Change (C&GC) Postdoctoral Program

UCAR's Cooperative Programs for the Advancement of Earth System Science (CPAESS) manages the NOAA Climate and Global Change Postdoctoral Program on behalf of the NOAA Climate Program Office. **Application deadline: January 8, 2021**



# Funding Opportunities



## Additional Sources for More Opportunities:

- 1) More Funding Opportunities can be found at the Tribes & Climate Change website: <http://www7.nau.edu/itcp/main/tcc/Resources/funding>.
- 2) Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>
- 3) Searchable database of all discretionary grants offered by the 26 federal grant-making agencies. [www.grants.gov/applicants/find\\_grant\\_opportunities.jsp](http://www.grants.gov/applicants/find_grant_opportunities.jsp)
- 4) Conservation Innovation Grants (USDA Natural Resources Conservation Service) <https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/>

### On-Request Technical Assistance from DOE Office of Indian Energy

The DOE OIE provides federally recognized Indian tribes, including Alaska Native villages, tribal energy resource development organizations, and other organized tribal groups and communities, with technical assistance to advance tribal energy projects at no cost. Technical experts from DOE and its national laboratories, along with other partnering organizations, provide support to assist Indian tribes and Alaska Native villages with energy planning, housing and building energy efficiency, project development, policy and regulation, resilience, and village power.

### Native American Natural Resource Research Scholarship

The Intertribal Timber Council (ITC), in

partnership with the USDA Forest Service Research and Development is pleased to announce scholarship opportunities for Native American graduate students who are planning or currently conducting tribally relevant research in a natural resource issue. The scholarship award varies, with a maximum of \$5,000. **Scholarship deadline: December 1, 2020**

### Call for Statements of Interest (SOI) for Tribal Climate Adaptation Research Projects Federal Fiscal Year 2021

The Northwest & Southwest Climate Adaptation Science Centers (NW CASC, SW CASC) invite statements of interest for tribal climate research projects to be initiated in Federal Fiscal Year (FY) 2021. The NW CASC is seeking statements of interest for tribal climate adaptation research projects that focus on the following priorities, as identified and described in the NW CASC Science Agenda for 2018-2023: 1) management of aquatic resources, 2) management of at-risk species and habitats, 3) management of invasive species and diseases, 4) management of forest ecosystems, and 5) human dimensions of climate adaptation. SOI should be submitted via email to Betsy Glenn: [eglenn@usgs.gov](mailto:eglenn@usgs.gov), NW CASC Research Coordinator. **Submission deadline: December 17, 2020**

### Bureau of Reclamation – WaterSMART Drought Response Program: Drought Contingency Planning Grants for FY 2021

This funding opportunity supports a proactive approach to drought by providing financial assistance to water managers to develop and update comprehensive drought plans (Drought Contingency Planning) and implement projects that will build long-term resilience to drought (Drought Resiliency Projects). Funding Opportunity Number: BOR-DO-20-F003. **Application deadline: January 6, 2021**

### Center for Ecosystem Science and Society at Northern Arizona University: Call for Graduate

### Applications

PhD and MS positions in Ecosystem Ecology are available in the Center for Ecosystem Science and Society (EcoSS) at Northern Arizona University. Graduate student benefits include stipend (TA or RA), tuition waiver, and health insurance. **Application deadline: January 15, 2021**

### FEMA's Hazard Mitigation Grants

The application period for the Fiscal Year 2020 (FY20) Hazard Mitigation Assistance Notices of Funding Opportunities for two competitive mitigation grant programs provides states, local communities, tribes and territories funding for eligible mitigation activities to strengthen our nation's ability to build a culture of preparedness by reducing disaster losses and protecting life and property from future disaster damages. **Application deadline: January 29, 2021**

### National Forest Foundation 2021 Matching Awards Program Nationwide Grant Opportunity

The National Forest Foundation is pleased to announce that it is currently soliciting proposals for its Matching Awards Program (MAP). MAP is a national, competitive grant program that provides federal funds for on-the-ground projects benefiting America's National Forests and Grasslands. Geographic Scope: National, must benefit U.S. National Forests and Grasslands. Eligible Applicants: 501(c)(3) nonprofits, universities, and federally recognized Native American tribes. Match Requirements: 1:1 nonfederal cash match. **Application deadline: January 31, 2021**

### Department of Energy: Energy Infrastructure Deployment of Tribal Lands 2020 Funding Opportunity

DOE's Office of Indian Energy is soliciting applications from tribal nations, including Alaska Native Regional Corporations and Village Corporations, Intertribal Organizations, and Tribal Energy Development Organizations. **Application deadline: February 11, 2021**

# Upcoming Events

NOTE: Updated info on events can be found at the Tribes & Climate Change website:

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

\*\*Due to COVID-19, many events have been either postponed or cancelled. For a full list of Tribes and Climate Change Related Gatherings, click [here](#).

## December 2020

**Virtual Summit: Dec 1, 9:00am-1:00pm (Mtn/AZ) [Fire Science and Management in an Uncertain Future: Tools and Approaches for Managing Fire in Future Climates in the Southwest](#)**- This four-hour, virtual Summit is an abbreviated, rescheduled version of 'Building Bridges and Solutions: Partners in Facing Fire-Science Challenges' that was cancelled in April due to COVID-19. Scientists and fire practitioners/leaders will assemble in an interagency effort to identify fire science and management needs and to discuss decision-making tools and approaches that address resource assessments and adaptation strategies for fire dynamics in future climates in the Southwest Department of Interior Regions 8 and 10.

**Webinar: Dec 2, 3:00-4:00pm (Pacific) [Native Voices in STEM](#)** - Indige-FEWSS/UofA. This webinar will feature Nonabah Lane, Navajo Ethno-Agriculture.

**Virtual Forum: [Alaska Forum on the Environment](#)** - Technical sessions and environmental trainings are now offered all year long, through December 2021. To keep the tradition of the AFE event alive, enhanced content, trainings and world-renown keynotes will still take place February 8-11, 2021.

- December 2 – Adapting to Climate Change: Lessons Learned Relocating an Alaskan Village
- December 9 – Introduction to Lean and Process Improvement
- December 16 – Introduction to Fats, Oils, and Grease (FOG)

**Webinar: Dec 3, 12:00pm (Mtn) [Working with Indigenous Communities After a Disaster: Focus on South Dakota](#)** In this webinar, three indigenous leaders – all grantees of the Center for Disaster Philanthropy's Midwest Early Recovery Fund Tribal Communities Disaster Recovery Program – will share their experiences in disaster recovery, explain how needs differ in their communities and share best practices for working together respectfully in ways that honor

culture and land.

**Webinar: [Native Perspectives: Uranium Mining and the Colorado Plateau](#)** Offered by Grand Canyon Trust. Listen to the speakers discuss the history of uranium mining on the Colorado Plateau and what we're working on today to break the ongoing cycle on injustice caused by America's nuclear ambitions.

- December 3, 2020 – Native perspectives: uranium and community health
- December 10, 2020 – Native perspectives: uranium and the cultural impacts in Native America
- December 17, 2020 – Native perspectives: uranium and the economy

**Webinar: Dec 3, 6:00-7:00pm (Pacific). [Desert Laboratory on Tumamoc Hill: Science and Management - To Today](#)** First we will learn more about the recent Santa Cruz River Heritage Project of Tucson Water and then take that inspiration and model as we look to the future and what is possible in reconnecting to our roots and making the Santa Cruz a healthy vibrant ecosystem at the core of Tucson once again.

**Webinar: Dec 3, 6:00-7:30pm (Pacific) [From Cliffs to Coasts: Stories of Climate Resilience](#)** Join the University of Washington Climate Impacts Group as it celebrates 25 years of building climate resilience through rigorous science and innovative, cross-sector partnerships. Over the next six months, the Climate Impacts Group will host three virtual lectures related to climate resilience. The first event, features Climate Impacts Group scientists and partners in discussion about efforts across the state of Washington to prepare for rising sea levels and shifting ecosystems.

**Virtual Conference: Dec 5-6 & 12-13 [Beyond the Great Unraveling – Weaving the World Anew. Bioneers Conference](#)** A virtual gathering encapsulating the magic of the annual live conference. As we enter into a permanent emergency, it's much easier to see what's dying than what's being born.

## **Virtual Conference: Dec 7-9. [The Group on Earth Observations \(GEO\) Indigenous Summit 2020](#)**

Join Indigenous leaders from around the world as they discuss Indigenous-led innovation in Earth observation data, science, and technology. This will build on the GEO Indigenous hackathon, bringing together Indigenous knowledge and state-of-the-art science and technology, as well as the global GEO community. No registration is required. Open to everyone, everywhere.

**Webinar: December 8, 1:00pm (EST) [FEMA Holds Virtual Listening Session on Pandemic Assistance for Tribal Nations](#)** FEMA's Recovery Directorate, in partnership with FEMA's Congressional and Intergovernmental Affairs Division, will be hosting a virtual listening session with tribal leaders to discuss Recovery coronavirus (COVID-19) policies, guidance, and their implementation and impact on tribal nations.

**Webinar: December 9, 12:00pm (EST) [Managing Nutrient Loads to Large Waterbodies: Integrating Watershed and Coastal Perspectives](#)** Offered by the NE CASC. This webinar will use Lake Michigan as a case study for integrating extensive analyses of spatial and temporal variation in nutrient loads across watersheds with modeling of in-lake processing of these inputs.

**Virtual Conference: Dec 7-10. [Behavior, Energy & Climate Change Conference](#)** The conference brings together social science researchers and actors in business, government, and the non-profits sector to discuss methods of taking action on climate change.

**Webinar: December 15, 3:00-4:30pm (EST) [EPA's Watershed Academy – How's My Waterway Webcast](#)** An updated version of How's My Waterway (HWM) was released publicly in June 2020. HWM provides a comprehensive overview of water quality data and information in the United States on three different scales: community, state, and national.



## Upcoming Events Continued...

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### January 2021

**Virtual Conference: Jan 5-8, 2021.** [National Council for Science and the Environment \(NCSE\) 2021 Annual Conference](#) This virtual conference that will explore the link between the changes in Earth's physical systems and its social institutions by engaging leaders from the sciences, education, government, policy, business, and civil society.

### February 2021

**Virtual Conference: Feb 19, 8:00-6:00pm (Mountain).** [Emerging Infection & Tribal Communities: What We Learned](#) This one day conference seeks to focus primarily on the emerging outbreaks/ infections in the light of current COVID-19 outbreak. This proposed conference incorporates both a scientific and a community focus, and will be open to everyone in general and members of Navajo Nation and other tribal communities of North America in particular without any registration cost virtually.

### April 2021

**Virtual Conference: April 6-8 - 11th** [Northwest Climate Conference](#) The conference provides a unique opportunity to learn from and connect with a diverse community of experts fostering a more climate resilient Northwest. The event brings together practitioners, scientists, tribal communities, and decision-makers to share knowledge, ideas, and best practices related to climate change science, impacts, and adaptation in the Pacific Northwest. Topics include drought, wildfire, extreme events, coastal flooding, human and ecosystem health, and resiliency planning. Call for abstracts now open!

**Summit: April 19-21, Menominee Conference Center, Keshena, WI.** [Shifting Seasons Summit: Sharing Adaptation and Resilience Knowledge Across Indigenous Communities](#) This is a gathering that focuses on climate resilience planning and implementation within Tribes and across Tribal ceded territories in the Northeast Region. Any questions please email [shiftingseasons@menominee.edu](mailto:shiftingseasons@menominee.edu)

### May 2021

**Training: May 23-28, Anchorage, Alaska.** [Tribal Climate Camp](#) The Affiliated Tribes of Northwest Indians, U.S. Bureau of Indian Affairs, Michigan State University, Portland State University's Institute for Tribal Government, Chugach Regional Resources Commission, and the Northwest Climate Adaptation Science Center are collaboratively offering the Tribal Climate Camp (TCC) to support teams of tribal leaders, climate change coordinators, planners, and program managers to build skills, gather information, and develop tribal policy needed to address climate change impacts.