



Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

2021 February

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.



Respect the land. Love the land. Photo courtesy of Colleen Cooley

Meet the Climate Change Team

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Respect Cheii, our horned toad relative. Photo courtesy of Colleen Cooley

Today (02/23/21), as I listened to Debra Haaland's Senate confirmation hearing, I was moved to tears during her introduction in her Pueblo language as she honored her family, and acknowledged the original and rightful residents of what is now known as Washington D.C. I wondered to myself whether that room had ever heard such ancient and meaningful words, and I am positive a cabinet hearing had never heard a Native and Indigenous person speak the language of the first peoples.

My grandmother (one of many) told me once that if you speak the language of your people, that you are communicating with all forms of life on earth. The naaldlooshii (animals) speak all languages and understand the offerings, prayers and ceremonies that are conducted in their honor or with them in mind. All of our Elders teach us that when you speak the language and say your prayers that you are in direct communication with the Holy People. I am sure whatever faith you follow that the same goes. This reminded me of a webinar I attended last week that featured Hannah Panci and Rob Croll of the [Great Lakes Indian Fish and Wildlife Commission](#) and they were talking about the [Tribal Climate Adaptation Menu](#). At the beginning of his talk, Rob spoke Anishinaabe words and mentioned why he, a non-Tribal member, did that each time he presented. It was because the Menu is largely comprised of Anishinaabe language and concepts. (Rob, I hope I'm representing this correctly and if not, then we should talk.) I thought that was such an honorable way of respecting the Anishinaabe and how this could serve as an example to all non-Indigenous people working for or with Tribes.

Respect and representation matters. In every form, at every table, meeting, research papers, plans, websites and projects.

Another event that is very much noteworthy because it not only involves science but one of our own. I met this young man when I was working with high school students and we were visiting California colleges. We visited the [Jet Propulsion Laboratory](#) where our relative, [Aaron Yazzie](#) works as a mechanical engineer. He is a product of my grandson, Eugene Begay's tireless efforts to apply for scholarships and college (he graduated from Stanford University), and of the Diné Nation. On February 18th, 2021, NASA's Mars 2020 Perseverance landed on the red planet. It was Yazzie's third Mars mission. The universe is deeply engrained in Indigenous culture and to have one of our relatives play a large role in NASA's missions is gratifying and exciting. Of course, we cannot forget astronaut and Navy Commander John Herrington of the Chickasaw Nation.

Respect and representation matters. Let us all think about how we can be better in elevating and supporting each other.

[NASA, Mars rover & Aaron Yazzie](#)

[Navajo & Hopi Families Covid-19 Relief Fund](#)

[Kaalogii Kisses \(Native & Black owned business\)](#)

To be Continued, Nikki Cooley on behalf of [The Climate Team](#)

Advisory Committee Members:

Tribal Representatives:

Jerry Cain

Mississippi Band of Choctaw Indian

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-Sheeter

U.S. Forest Service

Erica Bollerud

U.S. Environmental Protection Agency

Ashley Fortune Isham

U.S. Fish & Wildlife Service

Rachael Novak

Bureau of Indian Affairs

Chris Swanston

U.S. Forest Service/NIACS

Tribal Resilience Liaisons:

Malinda Chase

Alaska Climate Adaptation Science Center & Aleutian Pribilof Islands Association

Chas Jones

Northwest Climate Adaptation Science Center & Affiliated Tribes of Northwest Indians

Sara Smith

Northeast Climate Adaptation Science Center & College of Menominee Nation

Stefan Tangen

North Central Climate Adaptation Science Center & Great Plains Tribal 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

[Mountaintop Removal Threatens Traditional Blackfoot Territory](#)

The Rocky Mountains that lie within Blackfoot traditional territory are threatened with mountaintop removal. The Grassy Mountain coal project in Alberta, Canada, is slated to begin coal extraction in fall 2021. It is expected to be profitable for only 25 years. © High Country News, 02/01/21

[The Fight for an Equitable Energy Economy for the Navajo Nation](#)

On a chilly December morning in northern Arizona, near the town of Page, Nicole Horseherder stood beside a barbed-wire fence, waiting for the smokestacks of the Navajo Generation Station to fall. The coal-fired power plant, just a mile away, towered against the backdrop of the Glen Canyon National Recreation Area and a cloudless blue sky. © High Country News, 02/01/21

[Tribes Steps into Solar Age](#)

Lapwai – In an effort to bolster its sovereignty while taking steps toward energy independence and against climate change, the Nez Perce Tribe officially entered the renewable energy era Wednesday. Casey Mitchell, vice chairman of tribal government, flipped a switch to activate 770 solar panels recently installed on the rooftops of several buildings at tribal headquarters. © The Lewiston Tribune, 02/03/21

[Blue Lake Rancheria Tribe expands food sovereignty programs with \\$50k in grant funding](#)

The Blue Lake Rancheria Tribe said it secured a major Native American Agriculture grant to fund educational workshops to help strengthen food systems in Indian Country. Tribal officials said in a press release Wednesday they were given \$50,000 and will fund programming for natives interested in sustainable agriculture and traditional food practices this spring and summer. © KRCTV, 02/05/21

[Inuit Hunters Blockade Iron Mine in Freezing Temperatures Over Expansion](#)

A group of Inuit hunters have braved nearly a week of freezing temperatures to blockade a remote iron mine in northern Canada, in protest over an expansion plan they say will harm local wildlife. The blockade, which has prompted solidarity rallies in other Nunavut

communities, has also exposed growing tensions between large Inuit organizations with the power to approve development permits – and residents of the small communities where the impact of such projects is felt. © The Guardian, 02/09/21

[U.S. Interior Department to consult with tribal leaders on climate. COVID-19](#)

The U.S. Interior Department will start consultations with Native American tribal leaders next month on COVID-19, economic security, racial justice and climate change, part of efforts by President Joe Biden to get more tribal input in federal policy deliberations. © Reuters, 02/12/21

[After Generations, Lower Sioux Community Gets Ancestral Land Back](#)

The Lower Sioux Community is celebrating the return of ancestral land with great historical significance. It's the site where the Dakota War of 1862 started after the United States did not honor the Mendota Treaty. That treaty established more than 100 acres near Morton, Minnesota as the Lower Sioux Agency. © CBS Minnesota, 02/13/21

[EPA awards 3 companies \\$220M for cleanup of abandoned uranium mines on Navajo Nation](#)

The U.S. Environmental Protection Agency has awarded three contracts for the clean-up of more than 50 abandoned uranium mine sites on the Navajo Nation, worth up to \$220 million over the next five years. © KUTV, 02/13/21

[NSF-funded sensor project will promote resilience in Native American communities](#)

Now, a group of researchers at the University of New Mexico are recognizing the potential for Tribes to develop innovative adaptive solutions and they chose to focus on building partnerships with local Tribes. This project will use Tribal place-based knowledge to inform the co-development of low-cost sensor technologies. © UNM Newsroom, 02/17/21

[Alaska Native Tribes fighting to overturn laws criminalizing their traditional way of life](#)

In a place where mountains are the only skyscrapers and the road to get home can't be found on GPS, you'll find the tribal ways that have survived

for thousands of years. "We don't have to go to the local market. We'd go out in the woods, and everything we take, we do it with respect, utmost respect," said Chief P.J. Simon. © The Denver Channel, 02/19/21

[What an indigenous perspective can teach the United States about climate change](#)

Both Nosie and Coker see a threat to the environment in Western capitalist perspectives. The differences between Anglo-European and indigenous peoples' approaches to natural resources, they argue, are incompatible. © University of Delaware Review, 02/21/21

[Interior nominee Haaland vows 'balance' on energy, climate](#)

In testimony prepared for her confirmation hearing Tuesday, the New Mexico congresswoman said she is committed to "strike the right balance" as the agency manages energy development and seeks to restore and conserve federal lands. © Star Tribune, 02/22/21

[Seeds and beyond: Native Americans embrace 'food sovereignty'](#)

Last spring, as COVID-19 swept the nation, Daniel Cornelius planted. A member of the Oneida Nation of Wisconsin, he lives in the rolling farm country south of Madison, where he planted carrots and tomatoes, as well as traditional Native American crops – beans, pumpkins, and corn in hues ranging from cream to deep red and bearing names like Tuscarora white, Mohawk yellow, and Bear Island flint. © Christian Science Monitor, 02/22/21

[The Colorado River Basin's Worsening Dryness in Five Numbers](#)

Dry conditions are the worst they've been in almost 20 years across the Colorado River watershed, which acts as the drinking and irrigation water supply for 40 million people in the American Southwest. © KNPR, 02/22/21

[Putting Indigenous Place-Names and Languages Back on Maps](#)

How many Indigenous Nations and communities can you name? Who are the Indigenous Peoples original to the land you now reside and work on? I have always been surprised by how few nonindigenous peoples are able to answer these questions. © ArcNews, Winter 2021.

Resources

National Fish, Wildlife & Plants Climate Adaptation Strategy Report

More than 90 diverse technical, scientific, and management experts from across the country participated in the development of the National Fish, Wildlife, and Plants Climate Adaptation Strategy (Strategy) report, which was published in 2012. The development of this report was intended to take a high-level review of what has changed in the field of climate change adaptation, how the Strategy has or has not been effectively implemented at federal, state, tribal and nonprofit levels, stimulate discussion and provide recommendations for its future revision and implementation. To review the complete report, click [here](#).

Climate Science Alliance – Explore the New Climate Kids Connects Portal

Climate Kids Connects provides online resources that support youth, educators, and the community at large. Videos featuring guided climate science, storytelling, and art activities (in English and Spanish), core curriculum trainings for teachers, and more can be found on the new website. To explore the site, click [here](#).

Upper Colorado River Basin 20th Century Droughts Under 21st Century Warming: Plausible Scenarios for the Future

New Southwest Climate Adaptation Science Center research aims to provide meaningful data of future water supply reliability for the Upper Colorado River Basin water management community. Researchers, led by Connie Woodhouse at the University of Arizona, collaborated with this water resource management community of practice to develop plausible scenarios of future droughts in the Upper Colorado River Basin, then used the scenarios to examine future reductions in streamflow. To read, click [here](#).

WAMPUM Adaptation Framework – Eastern Coastal Tribal Nations and Sea Level Rise Impacts on Water Security

Sea level rise (SLR) poses significant threats to northeast and mid-Atlantic Tribal Nations' climate and water justice. Existing SLR adaptation frameworks do not include Indigenous knowledge. Furthermore, SLR adaptation policy prioritizes economic and property rights and is misaligned with Indigenous coastal protection priorities. Experiences of eastern Atlantic coastal Tribal Nations highlight innovative response strategies for SLR adaptation and coastal stewardship practices not reflected in existing adaptation frameworks for the region. To read the entire article, click [here](#).

Flood Funding Finder

The American Flood Coalition's Flood Funding Finder is the first tool of its kind that uses a robust filtering system to prioritize the needs of small communities and help them identify the right federal funding programs to fund flood resilience. While the Flood Funding Finder makes it easier to access federal funding, funding for resilience remains insufficient and does not work for many communities across the country. The American Flood Coalition exists to push for more accessible and robust funding that meets the reality of higher seas, stronger storms, and more frequent flooding. Click [here](#) to launch the tool.

Southwest Climate Adaptation Science Center (CASC) – Researchers Create New Tool to Assist Managers in Rebuilding Forests After Fire

The Postfire Spatial Conifer Restoration Planning Tool (POSCRPT) predicts the probability of post-fire conifer regeneration for fire data supplied by the user. The tool is designed to simplify the process of predicting post-fire conifer regeneration under different precipitation and seed production scenarios. To review the article, click [here](#). To review the tool, click [here](#).

Resist-Accept-Direct (RAD) – A Framework for the 21st Century Natural Resource Manager

The National Park Service and partner agencies recently published a report describing the Resist-Accept-Direct (RAD) framework, a decision-making tool that helps resources managers create strategic plans when faced with ecological changes caused by climate change. This framework assists managers in considering how climate will affect valuable resources and how to craft feasible strategies that meet their priorities. To review the full report, click [here](#).

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.

Linking Indigenous Food Knowledge in the Arctic and the Southwest

A recent article in Eos describes a new network, the Indigenous Foods Knowledge Network that connects Indigenous and non-Indigenous scholars in the Arctic and the U.S. Southwest to coproduce solutions in food sovereignty. The Arctic region and the Southwest face similar challenges in the future due to climate change, as well as similar challenges to food resilience and sovereignty. To read the full article, click [here](#).

Job & Internship Opportunities

CASC Network Climate Adaptation Postdoctoral Fellows Program

The inaugural Climate Adaptation Postdoctoral Fellows (CAPF) Program will focus on providing regional-to-national syntheses of climate change impacts on fire regimes, fire management, and fire response; explore resulting impacts on fish, wildlife, and ecosystems; and provide the scientific research necessary to help managers adapt to these changes. Fellows will be regionally based at a CASC Consortium University and will work with faculty advisors to lead regionally-focused research projects related to climate-fire dynamics. **Application deadline: February 28, 2021**

Indige-FEWSS Traineeship

The Indige-FEWSS program is now accepting applications for the next Trainee Cohort. Become a graduate trainee (MS & PhD students) and work on real-world solutions to food, energy, and water systems (FEWS) challenges. Benefits include a \$34,000 stipend, tuition, and cultural immersion. **Application deadline: February 28, 2021**

Udall Scholarship – Morris K Udall and Stewart L Udall Foundation

Scholarships for Native American and Alaska Native undergraduate students pursuing careers related to tribal public policy, native healthcare, and the environment. **Application deadline: March 2, 2021**

Viviane Barnett Fellowship for Food Systems Leaders

This Fellowship is a cohort-based 18-month program for aspiring, emerging, and experienced Black, Indigenous and People of Color leaders working across sectors to build equitable, climate-resilient food systems. Named for Viviane Barnett, a Black Portlander and civic leader who spearheaded a groundbreaking community gardening movement called Green Fingers, this Fellowship endeavors to honor her perseverance and love of community. **Application deadline: March 2, 2021**

Haskell Environmental Research Studies (HERS) Summer Internship Program

The HERS Summer Internship program is dedicated to preparing tribal college students for graduate school and to help meet the challenges of climate and environmental change. This in-person, paid internship will run from June 6-July 31, 2021. **Application deadline: March 5, 2021**

Bureau of Indian Affairs (BIA) – Pathways Program

The BIA-Pathways Program is pleased to announce the recruitment for several Pathways internship positions working across the nation performing a variety of assignments involving basic principles of management and program analysis, in one or more BIA Office of Trust program areas. Students will also receive opportunities to raise their awareness of traditional ecological knowledge education and land management practices in use today by Tribal Nations. Students can intern with the BIA, Tribal Nation, or a Tribal related program. **Application deadline: March 5, 2021**

NASA Arctic-Boreal Vulnerability Experiment Internship

NASA's Terrestrial Ecology Program is conducting a major field campaign, the Arctic-Boreal Vulnerability Experiment (ABoVE), which seeks a better understanding of the vulnerability and resilience of ecosystems and society to this changing environment through the intersection of field, remote sensing (airborne & satellite), and modeling research. The ABoVE campaign seeks a highly motivated and organized individual working towards a bachelors or graduate degree in one of the following fields:

environmental/earth science, anthropology, Indigenous studies, circumpolar studies, or environmental studies. **Application deadline: March 5, 2021**

Northwest Climate Adaptation Science Center (NW CASC) 2021-2022 Research Fellowship Program

The NW CASC invites proposals for its 2021-2022 Research Fellowship Program from graduate students at the University of Washington (UW), Boise State University (BSU), Oregon State University (OSU), University of Montana (UM), Washington State University (WSU), and Western Washington University (WWU) and postdoctoral scholars at BSU, OSU, UM, WSU, and WWU (this fellowship cannot support postdocs at UW). The NW CASC Fellowship Program supports research related to climate adaptation for Northwest natural and cultural resource management and provides training in the principles and practices of developing decision-relevant science. **Application deadline: March 15, 2021**

Environmental Protection Agency – Nomination to the National Environmental Justice Advisory Council

The U.S. EPA invites nominations from a diverse range of qualified candidates to be considered for appointment to its National Environmental Justice Advisory Council. EPA is seeking nominations to fill approximately seven new vacancies for terms through September 2022. Vacancies are anticipated to be filled by September 2021. **Application deadline: March 24, 2021**

Roger Arliner Young (RAY) Diversity Fellowship

The RAY Diversity Fellowship is a two-year (1 year with 1-year renewal), full-time position with partner conservation and clean energy organizations with the goal of increasing and facilitating environmentally-related career pathways for emerging leaders of color. Fellowship positions will be posted on a rolling basis through March 15. **Application deadline: March 26, 2021**

Native Youth Community Adaptation and Leadership Congress

Seeking groups of applicants with 1 adult community mentor and 3-5 rising high school seniors from any federally recognized tribe, in the U.S. and eastern time zone territories, from the same communities. All applicants must have reliable internet. Resources may be awarded to selected applicants on a per student basis to accommodate community-based projects. **Application deadline: April 12, 2021**

Institute for Tribal Environmental Professionals – Project Assistant

ITEP is seeking a part-time Project Assistant to work with two ITEP programs: The Tribal Pesticides Program Council and the Volkswagen Settlement Technical Assistance Program. The position will provide administrative and research assistance for both programs as needed, with weekly tasks depending on the workload and schedule for each. For more information and to apply, contact: Mark.Daniels@nau.edu. **Application deadline: Open until filled**

Indigenous Peoples Engagement Manager

The Western Resources Advocates (WRA) seeks an Indigenous Peoples Engagement Manager to lead outreach and partnership efforts with Indigenous Nations, Indigenous communities, and Indigenous organizations in WRA's seven state region. This new position will report to the Government Affairs Director and work closely with WRA's program staff to identify and facilitate opportunities for collaboration with Indigenous peoples around strategies and policies that impact our earth and natural world. **Application deadline: Open until filled, with priority review of applications starting on March 22, 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/itep/main/tcc/Resources/funding>

2) Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the University 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

4) Conservation Innovation Grants (USDA Natural Resources Conservation Service) <https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/cig/>

Climate Adaptation Science Center (CASC) Funding

Funding announcement for regional CASC's focusing on climate adaptation science and projects. 8-10 projects will receive \$350,000. **Statement of interest deadline: March 15, 2021**

WaterSMART Funding Opportunity Announcement

This WaterSMART Funding Opportunity Announcement is for small-scale water efficiency projects for Fiscal Year 2021. These projects conserve and use water more efficiently, help water resources managers make decisions about water use, and accomplish other benefits that contribute to a reliable water supply in the West. Eligible entities include Federally-recognized Indian Tribes, irrigation districts; State, regional, or local authorities, whose members include one or more organizations with water or

power authority; and other organizations with water or power delivery authority. **Application deadline: March 18, 2021**

Southeast Climate Adaptation Science Center (SE CASC) – Call for Statements of Interest and Proposals

The SE CASC is now accepting Statements of Interest from eligible individuals for Fiscal Year 2022 funding. The SE CASC intends to fund 5-8 projects. Individual projects will be funded for up to \$400,000 (inclusive of all indirect costs and overhead charges applied by all institutions involved and including both years of any two-year projects). For more information and to apply, click here. **Statements of interest deadline: March 18, 2021**

Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Guaranteed Loans & Grants

The program provides guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or to make energy efficiency improvements. Agricultural producers may also apply for new energy efficient equipment and new system loans for agricultural production and processing. **Application deadline: March 31, 2021**

Water is Life Fund Grant Applications

The Water is Life Fund is a grant program focused on high-impact solutions to the Water, Sanitation, and Hygiene access crisis in the United States, US territories, and sovereign tribal nations within US borders. Initiatives of interest should be unique, community-led, and long-lasting. **Application deadline: March 31, 2021**

Bureau of Indian Affairs (BIA) – Tribal Resilience Program

The BIA is pleased to announce the availability of funding through the Tribal Climate Resilience Program (Program). The Program will provide funding for activities that support Tribal adaptation and resilience planning, ocean and coastal management planning, and relocation, managed retreat, or protect-in place

planning and design activities for coastal and riverine communities. The Program aims to support Tribal Nations that are working toward climate adaptation planning and need information for management decisions that affect tribal trust and treaty resources, economies, infrastructure, and human health and welfare. The solicitation is for federally-recognized Tribal Nations and Tribal organizations* (as defined by 25 U.S.C. Section 5304(1)). Other entities may participate as sub-grantees. For more information and to apply, click here. **Application deadline: April 23, 2021**

University of Arizona Haury Tribal Resilience Initiative Recruitment Grants

The Agnese Nelms Haury Program in Environment and Social Justice in 2020 announced its new Tribal Resilience Initiative (TRI). The Haury Program will award up to ten one-time grants in Spring of 2021 to support the recruitment of scholars whose teaching, scholarship, or outreach centers on matters relevant to Native American and Indigenous resilience. Each one-time award will be for \$18,000 to be used to support the position, or to support a research assistant for the awardee. For more information and to apply, click [here](#). **Application deadline: evaluated on a rolling-basis**

On-Request Technical Assistance from DOE Office of Indian Energy

The DOE Office of Indian Energy 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.

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>

March 2021

Webinar: March 2, 1:00-2:15pm (MST) - [Bureau of Indian Affairs Notice of Funding Opportunity](#)

The BIA has announced the availability of funding through the Tribal Climate Resilience Program, which supports tribes preparing for climate change that impacts tribal treaty and trust resources, economies, infrastructure, and human health and safety. The Program will also provide funding for projects that support tribal resilience and ocean and coastal management planning.

Webinar Series: [Ecological Drought](#)

This webinar series seeks to raise awareness of ecological drought, share actions that strengthen ecosystems resilience and mitigate the impacts of droughts, and discuss research and management needs for future drought planning and preparedness. Two webinars remain in this series:

- **March 3, 4-5pm (EST):** Drought, Wildfire, and Recovery
- **March 17: 3-4pm (EDT):** Impacts on Coastal Systems

Webinar Series: [Heat Stress Series](#)

Increasing temperatures create challenges for urban and rural communities, as well as for ecosystems. Join us to explore solutions being implemented around the country in the next National Adaptation Forum series, brought to you by EcoAdapt. Two sessions remain:

- **March 4, 11am (PT):** Rural Heat Challenges and Interventions
- **March 10, 11am (PT):** Species & Ecosystems

Webinar Series: March 10, 16, & 18, 10am-12pm (PST) [Managing Harmful Algal Blooms in Tribal Waters](#)

In collaboration with the National Oceanic and Atmospheric Administration and the Sitka Tribe of Alaska, the U.S. EPA is hosting a three-part webinar series on the impacts of marine and freshwater harmful algal blooms (HABs) and their toxins.

Webinar: March 17, 12pm (Central) [Sustainable Agriculture at College of Menominee Nation](#)

Agriculture takes place in ecosystems, from fairly intact to highly modified.

Adaptation to climate is key to success in agroecosystems, and this success is also key to maintaining many ecosystem functions outside areas of food production. We will explore these relationships, the ways that they are considered by several Indigenous cultures, and how they are being embedded in the new Sustainable Agriculture degree program at College of Menominee Nation.

Webinar: March 17, 3:00pm (PDT) [Native Voices in STEM](#)

A webinar series hosted by Indige-FEWSS Native Voices in STEM 2021. The third speaker in the series is Daniel Wildcat (Muscogee Creek), who will discuss his work related to the Haskell Indian Nations University. Join the webinar @ <https://arizona.zoom.us/j/667862706>. Direct any questions to indige-fewss@email.arizona.edu

Virtual Conference: March 25-26 [We Still Remain Conference](#)

Hosted by the Native Nations Institute at the University of Arizona, and the American Indian Studies Department at the University of North Carolina at Pembroke, this two-day conference will gather Indigenous and non-Indigenous students and scholars from education, social sciences, STEM, and humanities to examine areas of tension in research affecting Southeast Indigenous communities.

Virtual Event: March 30, 5:00-6:30pm (PT)

[The Next 25-Years: Building a Climate-Resilient Future](#)

This event is hosted by the University of Washington Climate Impacts Group and will bring together scientists, community members and partners to imagine, brainstorm and plan for the next 25 years.

April 2021

Virtual Summit: April 1st [Session III: Empowering Youth](#)

The Affiliated Tribes of NW Indians (ATNI), National Congress of American Indians (NCAI), United South and Eastern Tribes (USET), and Pacific Northwest Tribes are hosting the National Tribal Leadership Climate Change Summit from October 2020 to May 2021. Young people are leading efforts to take action. We invite Tribal youth to join us in building a climate

movement in their Tribal communities, nationally, and around the world.

Virtual Conference: April 6-8, [11th Northwest Climate Conference](#)

The Northwest Climate Conference provides a unique opportunity to learn from and connect with a diverse community of experts fostering a more climate resilient Northwest. Topics include drought, wildfire, extreme events, coastal flooding, human and ecosystem health, and resiliency planning.

Virtual Conference: April 6-8, [2021 Southwest Adaptation Forum](#)

The Climate Science Alliance is proud to host the virtual 2021 SWAF in partnership with the Southwest Climate Adaptation Science Center. SWAF 2021 will bring together leaders, practitioners, and researchers from across the Southwest to explore efforts that are advancing climate change adaptation including hands-on activities, networking, and professional training. **Registration deadline: March 17, 5pm (PST)**

Webinar Series: [Hosted by Indige-FEWSS Native Voices in STEM](#)

Upcoming webinars:

- **April 7, 3:00pm (PDT)**
Gloria Tom, Director of Navajo Nation Fish & Wildlife Department.
- **April 14, 3:00pm (PDT)**
Gary Morishima, Tribal Liaison Officer of the Quinault Indian Nation.
- **April 21, 3:00pm (PDT)**
Michael Kotutwa Johnson (Hopi) who will discuss the Native American Agricultural Fund.

Direct any questions to indige-fewss@email.arizona.edu

Virtual Summit: April 19-21 [Shifting Seasons Summit: Sharing Adaptation and Resilience Knowledge Across Indigenous Communities](#)

The Shifting Seasons Summit is a gathering that focuses on climate resilience planning and implementation within Tribes and across Tribal ceded territories in the Northeast Region. This summit will include network-building opportunities and initiatives developed outside of the Northeast by capacity-building organizations, academic institutions and tribal nations.

Upcoming Events Continued...

April 2021

Virtual Meeting: April 20-22
[18th Annual Climate Prediction Applications Science Workshop \(CPASW\)](#)

The CPASW will bring together a diverse community to share developments in research and application of weather and climate information for societal decision-making. NOAA's National Weather Service Climate Services Branch, Arizona State University, the Arizona State Climate Office, and many climate services partners are collaborating in the organization of the CPASW.

May 2021

Virtual Conference: May 17-20
[National Tribal Forum on Air Quality \(NTFAQ\)](#)

ITEP and the NTFAQ Planning Committee have begun planning efforts for the 2021 NTFAQ. Stay tuned for more updates.

June 2021

Virtual Workshop: June 14-17
[IndigiData Workshop](#)

IndigiData is intended to serve as a one-week (4 days) Indigenous Data Science Education workshop each summer to introduce data science and informatics skills to tribal undergraduate and graduate students. **Application deadline: March 1, 2021.**

Virtual Conference: June 22-25
[Managed Retreat Conference](#)

This conference addresses a range of scientific, social, policy and governance issues around managed retreat (also known as strategic realignment and planned relocation). The conference, a major initiative of Columbia University's Earth Institute, will bring together stakeholders from the public, private and nonprofit sectors, together with academics, scientists, and community representatives, to help develop a common understanding of this complex issue, and move the needle toward equitable solutions.

January 2022

Virtual Conference: Jan. 19-21
[Southwestern Tribal Climate Change Summit](#)

The Climate Science Alliance, in partnership with the La Jolla Band of Luiseño Indians and the Pala Band of Mission Indians, is excited to announce the 2022 Southwestern Tribal Climate Change Summit. This event will be a three-day gathering, with engaging discussions and activities centered around the kinship with fire and its role in community, conservation, and climate change adaptation.