



Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

2021 August

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.



Great Blue Heron

Meet the Climate Change Team

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Harvesting our Kinship Festival, 2018. Photo courtesy of Colleen Cooley

It is that time of the year. Pumpkin spice lattes. No, I am only half joking but it's that time of year to begin harvesting crops, storing them away for the winter and gathering wood.

I also want to take this space to let our relatives in California, the Gulf Coast and elsewhere that are experiencing extreme weather events such as wildfires and flooding, that our thoughts and prayers are with you. For some of us, that is all we may be able to offer, but for others that are able to help, please visit or spread the word about where people can offer their assistance. [The Lowlander Center](#) is gathering funds to assist those who are being impacted by Hurricane Ida. There are many organizations that are available to help our relatives who have been impacted by the California fires. Please do your research. [Here](#) is one I recommend from the CalFire Foundation. If you have any other leads, please post on social media and tag ITEP, so we can get the word out.

These days are sobering because of all that is going on. As many of you, I am trying to remain positive to keep my spirits up. As I have always done, I have encouraged you to look to hope. In the Navajo way, we were taught to always be in the mind frame of harmony, of moving forward with good thoughts and intentions. This past week, a friend asked on social media, "What beliefs are we willing to die for?" I thought it was a good question and in my Navajo way of think-

ing, I told her that we do not think of dying. We think of living and doing in the moment and for the future. Death is eventual and a part of the natural cycle. I answered that humans are inferior to our Mother the Earth, Father Sky and all of our non-human relatives. Many Indigenous peoples have similar philosophies and we are trying to ensure that our non-Indigenous colleagues from the Western mindset understand and take that into consideration when working with Tribes and Indigenous communities.

In our work on the climate and environment, we are trying to ensure that the natural environment is respected and cared for. All humans should think this way so we can have a more harmonious partnership with the natural world. So, let's all move forward each day in taking deep breaths and living in the Hozhó way. The Beauty way. Let us walk, talk and think in harmony and in beauty.

[Rising Hearts](#)

[Coffee Pot Farms](#)

[The Sioux Chef's Indigenous restaurant Owamni is now open](#)

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

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Tribal Resilience Liaisons:

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Alaska Climate Adaption Science Center & Aleutian Pribilof Islands Association

Chas Jones

Northwest Climate Adaption Science Center & Affiliated Tribes of Northwest Indians

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Stefan Tangen

North Central Climate Adaption Science Center & Great Plains Tribal Water Alliance

April Taylor

South Central Climate Adaption Science Center & Chickasaw Nation

Casey Thornburgh

Northeast/Southeast Climate Adaption Science Center & United Southeastern Tribes

Althea Walker-Ortiz

Southwest Climate Adaption Science Center & American Indian Higher Education Consortium

In The News

[Climate Change is Endangering Sacred Land. For These Native Women, It Threatens “Everything We Are.”](#)

Since time immemorial - before the European colonization of what is now known as the United States - tribes of the Pit River Nation have made annual pilgrimages to Medicine Lake in Northern California. The Pit River creation story says that the Creator and his son bathed themselves in the lake after making the Earth. © The Lily, 07/30/21

[Reviving Traditional Apsaalooke Water Sources](#)

Emery Three Irons, a Crow tribal member, stood in tall, lush grass one day in late May, contemplating a cream-colored house. After 20 minutes of reflection, he approached two 5-year-olds standing on the front steps, eating popsicles and playing with a puppy. “Is your grandpa awake?” he asked them, his soft voice barely rising above the thrum of the nearby interstate. © High Country News, 08/01/21

[Tribes cheer withdrawal of 2 Little Colorado hydropower projects but fear a 3rd](#)

A developer has withdrawn two of the three proposals to build a series of hydroelectric dams in the Little Colorado River watershed, projects that had drawn opposition from several tribes and environmentalists. Phoenix-based Pumped Hydro Storage LLC relinquished preliminary permits for the Salt Trail Canyon and Little Colorado River proposals on July 26. © Arizona Central, 08/05/21

[The Apache community running to rescue its holy mountain](#)

In response, starting in 1991, Nosie and about a dozen others, including his daughter, Vanessa Nosie, ran to Dził Nchaa Si'an from the San Carlos Reservation — a distance of more than 100 miles. The runners took turns, relaying the distance, to protest the desecration of the holy mountain. They've been running every year since. © High Country News, 08/10/21

[Despite obstacles, Native Americans have the nation's highest COVID-19 vaccination rate](#)

Experts say Native Americans have a higher vaccination rate than any other major racial or ethnic group. Those rates are difficult to determine, because many vaccine recipients do not provide their race or ethnicity when they get shots. But more than 100

million have done so. © Los Angeles Times, 08/12/21

[Mind Blowing: Grizzly Bear DNA Maps Onto Indigenous Language Families](#)

The bears and Indigenous humans of coastal British Columbia have more in common than meets the eye. The two have lived side by side for millennia in this densely forested region on the west coast of Canada. But it's the DNA that really stands out: A new analysis has found that the grizzlies here form three distinct genetic groups, and these groups align closely with the region's three Indigenous language families. © ScienceMag.org, 08/13/21

[Rights of Nature Lawsuits Hit a Sweet Spot](#)

Shortly after a groundbreaking lawsuit was filed in the White Earth Nation's tribal court defending the rights of wild rice to fight the construction of Enbridge's Line 3 pipeline, the United Nations released its 6th Assessment on Climate Change. The UN report includes an entire chapter dedicated to the powerful role that Indigenous knowledge can play in global development of adaptation and mitigation strategies aimed at addressing climate change. © Indian Country Today, 08/15/21

[SD Intertribal Wind Project Gets Boost from Apple](#)

One of the country's tech giants is partnering with a tribal-owned wind farm project in South Dakota. The Oceti Sakowin Power Authority (OSPA) is one of 15 businesses selected for Apple's inaugural Impact Accelerator program. Apple will provide training and networking for Black, Hispanic and Native American-owned, eco-friendly businesses. © SDPB, 08/17/21

[Hawaiians Look to Tradition to Cope with Climate Change](#)

Hawaii faces a range of environmental problems caused by global warming, impacts worsened by practices that critics say have ignored the local ecology. They say reviving traditional values can reduce the damage by limiting coastal erosion, reversing the rising acidity of coastal waters and lessening flooding from intense storms. © VOA, 08/15/21

[The effort to save Upper Klamath Lake's endangered fish before they disappear](#)

C'waam and koptu fish usually arrive

in early spring to spawn in the creeks and rivers around Upper Klamath Lake, in southern Oregon. But this year, the fish didn't turn up as expected. The two dwindling species are found only in this basin, and Klamath Tribes biologists thought that maybe, for the first time, the worst had happened — that they would not show up at all. © High Country News, 08/19/21

[A Village: Summer STEM program teaches Owhyee kids on climate change](#)

The Braves After Hours Summer Program conducted a Science class on “Climate Change” as part of the STEM lessons facilitated by Science/SPED teacher Barbara Pete. The students learned new vocabulary such as mitigation, sustainability, riparian zone, vulnerability, adaptation and resiliency and the greenhouse effect. The hands-on activities reinforced the lessons and the students had fun participating. © Elko Daily, 08/21/21

[Law students support Yurok Tribe effort to access culturally important species](#)

This spring, three UCLA law students contributed to a longstanding Yurok Tribe effort to expand members' access to traditional food systems along the Klamath River. © UCLA Newsroom, 08/25/21

[A vegetarian coffee shop on the Walker River reservation seeks to spread health in a food desert](#)

The shop's wide variety of vegetarian and plant-based food and drink options are a novelty in the remote Nevada desert, said Martinez, an enrolled member of the Walker River Paiute Tribe. She aims to provide healthier options for her community, which is approximately 23 miles from the nearest grocery store in Yerington, and faces historical health disparities. © The Nevada Independent, 08/25/21

[Native Leadership Program Preserves Elder Knowledge Through Intergenerational Relationships](#)

The Spirit Aligned Leadership Program (SALP)—the only Indigenous elder women-run nonprofit program in existence—aims to pair Native women elders with younger mentees in order to pass on knowledge for the continued improvement of their tribes and larger communities.

© Ms Magazine, 08/25/21

Resources

Climate Science Alliance Resilient Restoration Stewardship Pathways Program

Presented by the Climate Science Alliance Tribal Working Group, the Resilient Restoration's Stewardship Pathways Program invites all who are interested in building or expanding on a career focused on native plant restoration or wildland firefighting and monitoring to reach out to us today. For more information or to sign up for updates, click [here](#).

Hopi Tutskwa Permaculture Veggie Share Program

Hopi Tutskwa Permaculture is launching a Fall CSA Veggie Share Program. The Hopi CSA Share provides an opportunity for members of the community to invest in strengthening local/regional foodshed by committing to purchasing a bi-weekly share of locally grown fruit, produce, and dried goods. Shares can be picked up at Hopi every two weeks starting September 10th. The CSA Veggie share program will run September 10-November 12. If you're interested you can go online to www.hopitutskwa.org and sign up for a share, or click [here](#).

New Southwest Water Lesson for Middle School Students

The newest lesson on climate change in the Southwest has arrived from the SW Climate Hub and Asombro Institute! Using data from across the southwest, these activities help students make a claim about the future of water availability and back it up with evidence. An engineering design challenge then asks them to look to the past to plan for the future and conserve water with methods that have been used in arid regions for centuries. To review the lesson, click [here](#).

Improved Forest Management as a Natural Climate Solution: A Review

Reforestation, avoided forest conversion, and improved forest management have the potential to contribute as much as 50% of the total carbon sequestration possible through Natural Climate Solutions (NCS) globally. A recently published review paper co-authored by NIACS Climate Adaptation Specialist Todd Ontl looks at the potential of specific improved forest management practices to sequester carbon and store it in both live and dead organic matter and forest soil. To read the report, click [here](#).

Pauma Band of Luiseno Indians and its Carbon Sink Demonstration Farm

The Pauma Band of Luiseño Indians houses most of its food sovereignty initiatives in Pauma Tribal Farms. Recently, Pauma Tribal Farms acquired 140 acres of land contiguous to its reservation. This land is largely orange orchards and will double the amount of orange trees the Tribal Nation has. Just one of its several initiatives, Pauma Tribal Farms does not focus solely on orange trees, as it also grows avocados, grapefruits, lemons, limes, olives, and grapes. To do this, Pauma Tribal Farms relies on its employees, Pauma citizens, and partnerships with organizations and universities. To read more, click [here](#).

NIDIS Launches New Interactive Maps

The National Integrated Drought Information System (NIDIS) is pleased to announce two new interactive features on Drought.gov that will make it easier for decision makers and the public across the U.S. to share timely, reliable drought information. These new maps further the goal of

making Drought.gov a one-stop shop for data, decision-support products, and resources. To review the tool, click [here](#).

Increasing Glacier Runoff Raises Potential Concern for the Gulf of Alaska

Alaska CASC postdoctoral fellow Joanna Young recently led a team of scientists in studying glaciers' contribution to coastal rivers by developing a model that combines glacial, riverine and soil moisture processes to identify if increases in water volume are driven by snowmelt, heavy precipitation, or glacial runoff. Their findings indicate that annual glacier ice melt on the Juneau Icefield has increased by 10% per decade since the 1980s, and glacier runoff by 3%. Increasing glacial melt can exacerbate flood risk, have negative implications for freshwater salmon habitat, and alter the function of coastal marine ecosystems in the Gulf of Alaska. Understanding future changes to streamflow patterns may inform infrastructure planning and resource management in the Gulf of Alaska. To read the report, click [here](#).

Intergovernmental Panel on Climate Change (IPCC) - The Physical Science Basis

This Summary for Policymakers (SPM) presents key findings of the Working Group I (WGI) contribution to the IPCC's Sixth Assessment Report (AR6)¹ on the physical science basis of climate change. This SPM provides a high-level summary of the understanding of the current state of the climate, including how it is changing and the role of human influence, the state of knowledge about possible climate futures, climate information relevant to regions and sectors, and limiting human-induced climate change. The scientific basis for each key finding is found in chapter sections of the main Report, and in the integrated synthesis presented in the Technical Summary. To read the report, click [here](#).

INHABITANTS Impact Screenings & Panel Discussion Series

Through our partnership with Kalliopeia Foundation, we are hosting Impact Screenings and Live Panel Discussions featuring guests from the film. This series will run July - November. *Inhabitants* is a feature documentary that follows five Native American Tribes across deserts, coastlines, forests, and prairies as they restore their traditional land management practices. To request a screening and to learn more, click [here](#).

Job & Internship Opportunities

[Managing for a Changing Climate: Introduction to the Climate System](#)

This course will introduce the basics of how the climate system operates, including an overview of the Earth's energy budget, the carbon cycle, atmospheric and oceanic circulation, and natural climate variability. Upon completion of this course, you will receive a certificate of completion. **Application deadline: August 30, 2021**

[USGS Tribal Climate Strategies Research Scholar, Southeast Climate Adaptation Science Center](#)

The project will develop and conduct research with and for Tribal Nations/organizations relevant to the SE CASC mission "to deliver science wildlife, ecosystems, and people adapt to a changing climate." This includes evaluation of current Southeast CASC research portfolio for relevance to Tribal Nations/Organizations, support for developing a Northeast/Southeast CASC Tribal Climate Resilience Engagement Strategy, and technical support to better leverage, translate, communicate, synthesize and share CASC research with Tribal Nations/Organizations. **Application deadline: August 31, 2021**

[PG&E Better Together Resilient Communities Grant Program](#)

The PG&E Corporation Foundation (Foundation) is requesting proposals of \$100,000 to fund four projects in 2021 that build community resilience and capacity to withstand climate-related hazards. Priority will be given to those that demonstrate past or projected exposure to climate hazard(s) and those that address the needs of disadvantaged and/or vulnerable communities. Eligible applicants will be governmental organizations, educational institutions, or certified 501(c)3 nonprofit organizations and must include a local or tribal government within Pacific Gas and Electric Company's (PG&E's) service area as a partner. **Application deadline: August 31, 2021**

[PG&E Resilience Hubs Grant Program](#)

Pacific Gas and Electric Company (PG&E) is requesting grant proposals to help communities build a network of local resilience hubs. These projects can provide a physical space or set of resources that support community resilience—such as access to power, shelter, and information—to climate-driven extreme weather events, including wildfires, as well as future Public Safety Power Shutoff (PSPS) events. This funding will be distributed through a competitive solicitation and bid process to eligible nonprofit or government organizations (including tribal governments) within PG&E's service territory. **Application deadline: August 31, 2021**

[Elderberry Wisdom Farm - Native American Interns](#)

This fall, a cohort of eight Native Americans from Oregon's tribal communities, plus urban Indians, Alaskan Native, Native Hawaiian and Pacific Islander students will learn to integrate traditional ecological knowledge perspectives into agricultural and horticultural career plans. Native American educators at Elderberry Wisdom Farm will combine TEK with traditional Western views to develop horticultural practices so students can learn to cultivate and grow native plant species, especially threatened and/or endangered traditional First Foods species. **Application deadline: September 1, 2021**

[Tribal Relations Specialist - Department of Agriculture](#)

This position will be responsible for the management of interdisciplinary programs involving partnerships with Tribes and will represent the Regional Forester in the government-to-government relations between the Forest Service and the various Tribes within the region. This position will also provide expert advice using the framework of legal, policy and manual and handbook guidance. **Application deadline: September 3, 2021**

[Climate Adaptation & Assessment Fellow](#)

The Adaptation/Assessment Fellow is a new fellowship position at AGCI established in collaboration with the Science for Climate Action Network (SCAN). Charged with supporting research, communications, and network-building related to climate adaptation and climate assessment, the Adaptation/Assessment Fellow will work with senior adaptation experts and an array of on-the-ground partners to design an assessment of the effectiveness of green infrastructure in managing coastal hazards associated with sea level rise, storm surges, and an array of other climate-related impacts. **Application deadline: September 10, 2021**

[2022 Smith Postdoctoral Fellowship in Conservation Research](#)

The purpose of this Fellowship is to create opportunities for leading conservation scientists to strengthen their skills through two years of applied post-doctoral research, supplemented by training programs, peer networking, and field learning experiences; so that they may: 1. Build productive partnerships with conservation practitioners; and 2. Contribute and communicate scientific knowledge to problems of critical importance in conservation. **Application deadline: September 24, 2021**

[Post-Doctoral Associate, Indigenous Data and Storytelling](#)

The Exchange for Local Observations and Knowledge of the Arctic (ELOKA) invites applications for a three-year postdoctoral research associate. ELOKA seeks someone with expertise in Indigenous Knowledge, data management, and/or digital storytelling to develop research on Indigenous data and storytelling and to support the implementation of activities related to community and Indigenous data management under the ELOKA program. **Application deadline: position open until filled**

[Program Coordinator, Native American Initiatives](#)

The Office of the Provost, Native American Initiatives, advances opportunities and support for Native American students and faculty. The Program Coordinator for Native American Initiatives reports directly to the Assistant Vice Provost for Native American Initiatives and will assist with efforts at the university as it relates to projects and initiatives to advance Native American student success and faculty support. **Application deadline: position open until filled.**

[NW Energy Coalition - Energy and Environmental Justice Policy Associate](#)

The NW Energy Coalition seeks an engaging and innovative energy and environmental justice advocate in Oregon with a deep commitment to equitable and just clean energy solutions. This person will help to further the Coalition's mission through collaborative work with community-based and environmental justice organizations, tribal nations, and other entities representing the needs of environmental justice communities. **Application deadline: position open until filled.**

[South Central Climate Adaptation Science Center \(SC CASC\) - Science Translator and Communications Specialist](#)

This position will work with the Assistant Director and other SC CASC staff to ensure the science generated by the research team is accessible and useful to various audiences including resource managers, tribal partners, and the general public. This is a full time position and will be located in the main office at the University of Oklahoma in Norman, Oklahoma. **Application deadline: position open until filled.**

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/>

California Resilience Challenge (CRC) Request for Proposals

CRC is pleased to invite eligible California public entities (including California Native American Tribes), non-governmental organizations, and community-based organizations to respond to the RFP for grants in support of climate resilience planning projects, with a preference for projects that will lead to implementation of resiliency infrastructure. **Application deadline: September 13, 2021**

Call for Proposals: International Marine Protected Areas Congress (IMPAC5)

IMPAC5 is an opportunity for the global community of marine conservation managers and practitioners to exchange knowledge, experience and best practices to strengthen the conservation of marine

biodiversity and to protect the natural and cultural heritage of the ocean. You are invited to submit a proposal to present either in person or virtually during IMPAC5. Proposals must clearly align with IMPAC5's goals, themes, and cross-cutting streams, respects IMPAC5's Diversity, Equity, and Inclusion Statement, and are encouraged to be applicable and engaging in their presentation to a wide range of participants. **Submission deadline: September 20, 2021**

FY 2022 Coping with Drought: Building Tribal Resilience

As part of the National Oceanic and Atmospheric Administration (NOAA), the Climate Program Office (CPO) is seeking applications for eight individual competitions in FY22. Several of these components are relevant to four high-priority climate risk areas CPO is focusing on to improve science understanding and/or capabilities that result in user-driven outcomes: coastal inundation, marine ecosystems, water resources, and extreme heat. **Application deadline: October 18, 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. **Application deadline: December 31, 2021**

FY 2021 Building Resilient Infrastructure and Communities (BRIC) and Flood Mitigation Assistance Notice of Funding

FEMA released the BRIC and FMA Notices of Funding Opportunities (NOFOs) on Aug. 9, 2021. The NOFOs are posted on [grants.gov](https://www.grants.gov) and provides detailed program

information and other grant application and administration requirements. The application period to apply for fiscal year 2021 (FY 2021) will open on Sept. 30, 2021. **Application deadline: January 28, 2022**

California Climate Investments

The California Climate Investments cap-and-trade program creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling and much more. At least 35 percent of these investments are made in disadvantaged communities and low-income communities and households. **Application deadline: accepted on a rolling basis**

Potlatch Resiliency Fund

In light of the COVID-19 pandemic and its impact on Native communities, the Potlatch Resiliency Fund seeks to protect our way of life by funding resiliency actions that create hope, social connection, adaption, flexibility and purpose. This fund will provide grants that support general operating funds, projects, and artists. **Application deadline: accepted on a rolling basis**

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>

August 2021

Virtual Conference:

August 30 - September 1

[Water Resources Research Center 2021 Virtual Annual Conference](#)

We are excited to announce the dates for the WRRC 2021 Annual Conference, Tribal Water Resilience in a Changing Environment. In addition to three-hour sessions each day, we plan to offer some special pre-conference programming. The first session will be held on Monday afternoon from 1-4pm Arizona time, with the following two sessions being held in the morning.

September 2021

Webinar: September 7, 12pm (PT) [Indigenous Speaker Series](#)

The Indigenous Speaker Series provides a platform for dialogues about Indigenous people's cultural and traditional lived experiences, hosted by Northwest Indian College - a Nez Perce site, in partnership with University of Washington - Tacoma. The next featured speaker is Michael V. Preston.

Webinar: September 15, 11:30AM - 1:00pm (PT)

[Traditional Knowledge - Federal Agencies' Considerations](#)

This webinar will discuss how some federal agencies are considering traditional knowledge in the implementation of their missions. This webinar is one of a two-part webinar mini-series on traditional knowledge. The second webinar, planned for October, will focus on how federally recognized tribes and indigenous peoples engage federal agencies on traditional knowledge.

Webinar: September 15, 4pm ET [The Northeast's Paraglacial Shore and Its First Order Control on the Future Resilience of Coupled Beach/Marsh Systems](#)

The importance of external sediment supply to both beaches and marshes has long been recognized. In the Northeastern US glacial deposits serve as the predominant sediment source for shorelines extending from New York City to the Maine/Canadian border. In this talk, researchers present on the spatial distribution and characteristics of

these paraglacial deposits and their first order control on both the current and future integrity of coupled marsh-beach systems.

Hybrid Symposium: September 19-21, Marquette, MI [Food Sovereignty Symposium & Festival](#)

The Food Sovereignty Symposium & Festival includes multiple venues and partners across Madison, Wisconsin. In addition to presentations, submissions of hands-on demonstrations are encouraged. Proposals connected to and supporting Tribal communities will be prioritized.

Conference: September 21-24, Euchee Butterfly Farm: Tulsa, OK [Tribal Alliance for Pollinators Conference](#)

Learn how to restore native plants, help pollinators, save monarch butterflies, build resilience to extreme weather and changing climate, develop food sovereignty, find funding opportunities, discover the successes and failures of other tribes navigating land stewardship during the challenges of the 21st century.

Webinar: September 29, 2pm ET [Emerging Tools for Flash Drought Monitoring and Prediction](#)

The National Integrated Drought Information System (NIDIS) and the National Weather Service (NWS) are pleased to announce a series of three webinars to help climate professionals and operational service providers better understand this phenomenon, its defining characteristics and how it varies by region and season, its impacts on agricultural and other stakeholders, and the potential for improved monitoring, prediction, and planning/response tools (datasets, maps, etc.)

Virtual Workshop: September 29 - October 1

[9th Annual Rising Voices Workshop](#)

The workshop is hosted by the Rising Voices Center for Indigenous and Earth Sciences and will be taking place online this year, Wednesday September 29-Friday, October 1. The theme of the workshop is Centering Justice in the Convergence of Sciences, Communities, and Actions. Register [here](#) by September 10th.

October 2021

Conference, October 6-10, New Orleans, LA [8th Annual HBCU Climate Change Conference](#)

This conference brings together HBCU faculty and students, researchers, climate professionals and environmental justice and coastal community residents impacted by toxic facilities and severe weather events related to climate change in order to bridge the gap between theory and experiential realities of climate change. The conference will address issues related to climate justice, adaptation, community resilience, global climate issues, and other major climate change topics.

Webinar: October 13, 4:00pm ET [Increasing the Resilience and Resistance of Climate-Vulnerable Species and Ecosystems](#)

Drs. Morelli and Nislow will provide an update on their work for the NE CASC project. A description and updated title for this webinar will be available later this summer.

Forum: October 21-22 [U.S. Drought Monitor Forum](#)

Join virtually for the U.S. Drought Monitor Forum. We will gather from 12 - 3pm CT each day to discuss a variety of topics related to the USDM.

Virtual Symposium: October 26-27 [Northeast Climate Adaptation Science Center Regional Science Symposium](#)

NE CASC invites the climate adaptation science community to participate in the 2021 Regional Science Symposium. Learn about NE CASC research, hear about our new science plan, and discover resources and tools that support climate adaptation. The symposium will also include discussions focused on identifying emerging research and management needs, and it is our hope that it will foster new partnerships and strengthen existing collaborations.

Upcoming Events Continued...

November 2021

**Symposium: November 15-18,
Oklahoma City, OK**
**[North American Lake Management
Society \(NALMS\)](#)**

The Oklahoma Clean Lakes and Watersheds Association is accepting abstracts for this in-person symposium. The conference will be a great opportunity for networking and consist of multiple panels/discussions focused on the value of water for economics, ecology, and culture.

Webinar: November 17, 4:00pm ET
**[Refugia are Important but are
they Connected? Mapping Well-
Connected Climate Refugia for
Species of Conservation Concern
in the Northeastern U.S.](#)**

This webinar will provide an update on work that is being undertaken regarding 10 vulnerable species and refugia locations for these species. This project identifies refugia locations for each of the species under consideration, maps how well each refugia location is connected to other refugia locations, and also maps locations that are most critical to connect current habitat to future climate refugia.

December 2021

Webinar: December 1, 4:00pm ET
**[Managing Waterfowl Harvest
Under Climate Change: Time-
Dependent Optimal Policies to
Address Non-Stationary Dynamics](#)**

More information coming in the fall.

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.