



Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

2021 June

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.



Bear and cubs

Meet the Climate Change Team

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Photo courtesy of Colleen Cooley

A few weeks ago, my family planted a variety of corn and melons in my parents' 1/2 field in Shonto. Prayers and gratitude were offered while remaining positive through the flashes of heat throughout the day. We were fortunate to have the sun, but took breaks in the shade and devoured watermelon and lemonade with ice to stay cool.

In previous years, mid-summer would bring monsoons with the promise of cooler weather and bountiful harvests of food. Some families would travel cross country to visit national parks, amusement parks, and distant relatives. But, for some families living on the reservation, time was spent shearing sheep and goats before the summer heat, relocating livestock to the mountains, partaking in ceremonies and learning traditional ways of living.

In the past decade or so, the dire warning from our Elders that the environment and climate would continue to change, that we need to take heed and prepare has come full circle. Our late winter and early spring seasons are now spent with worry and fear about the onset of wildfires, flash floods, heat waves, and how long they will last. In Arizona, there has already been more than 20 wildfires. In the Pacific Northwest, communities and families are experiencing record temperatures. Both of these extremes are exposing how unprepared com-

munities are in terms of addressing and adapting to climate change.

We often think about how these extreme events will impact us, humans, and the luxury of living and working inside a four-sided structure with AC. But have you thought about our non-human relatives including the plants, insects, reptiles, birds, bears, and mountains? How will they flee their homes safely? Animal habitats that have become more fragmented due to rising developments causes me great concern. It is just as disheartening to witness their homes destroyed as it is for my human relatives. With that, let's keep them in mind as we continue our work to address and prepare for the impacts of climate change.

As noted in the May newsletter, I encourage you to move into the next month with a good heart, soul, and intentions. Remember to be kind to yourself and to others. Enjoy your time with family and be safe out there.

[Tó Nizhóní Ání](#)

[Dynamite Hill Farms](#)

[Havasupai Leader and Advocate Rex Tilousi](#)

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:

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

[Will a Native-led Initiative Spur an Agricultural Revolution in Rural Alaska](#)

When Eva Dawn Burk first saw Calypso Farm and Ecology Center in 2019, she felt enchanted. Calypso is an educational farm tucked away in a boreal forest in Ester, Alaska, near Fairbanks. To Burk, it looked like a subarctic Eden, encompassing vegetable and flower gardens, greenhouses, goats, sheep, honeybees, a natural trail and more. In non-pandemic summers, the property teems with local kids and aspiring farmers who converge on the terraced hillside for hands-on education. © High Country News, 05/28/21

[When the Bison Come Back, Will the Ecosystem Follow?](#)

On a blustery October afternoon at the Wolfcrow Bison Ranch in southern Alberta, Canada, Dan Fox and his ranch hand, Man Blackplume, tried to wrestle panels into place despite a 60 mph wind. The next day was weaning day - and the fence needed to be rock solid so the bison calves could be separated from their mothers. © Undark, 06/02/21

[How Returning Lands to Native Tribes is Helping Protect Nature](#)

In 1908 the U.S. government seized some 18,000 acres of land from the Confederated Salish and Kootenai Tribes to create the National Bison Range in the heart of their reservation in the mountain-ringed Mission Valley of western Montana. While the goal of protecting the remnants of America's once-plentiful bison was worthy, for the last century the federal facility has been a symbol to the tribes here of the injustices forced upon them by the government, and they have long fought to get the bison range returned. © Yale Environment 360, 06/03/21

[More than One-Third of Heat Deaths Blamed on Climate Change](#)

Warming resulting from human activities accounts for a high percentage of heat-related deaths, especially in southern Asia and South America. Researchers have attributed 37% of deaths related to heat exposure around the world between 1991 and 2018 to global warming caused by humans. © Nature, 06/04/21

[Toward Food Sovereignty in Alaska Native Communities](#)

When Eva Dawn Burk first saw Calypso Farm and Ecology Center in 2019, she felt enchanted. In 2020, Burk re-

ceived the Indigenous Communities Fellowship from the Massachusetts Institute for Technology to develop a business model for implementing biomass-heated (or wood-fired) greenhouses in rural Native villages. Now, Burk is partnering with Calypso to promote local food production and combat food insecurity in Alaska Native communities. © YES! Magazine, 06/08/21

[The Line 3 Pipeline Protests Are About Much More Than Climate Change](#)

Frank Bibeau remembers canoeing on the waters of northern Minnesota with his father on a late summer day in 1996. The sky and placid lake stretched to the horizon all around their red canoe, interrupted only by stalks of delicate grasses protruding through the lake's surface. Bibeau navigated with a long pole while his father, perched in front, rhythmically knocked grains from the stalks into the boat, harvesting wild rice. © Grist, 06/09/21

[Mining for Lithium, at a Cost to Indigenous Religions](#)

One autumn evening four years ago, Ivan Bender, a Hualapai man in his mid-50s, took a walk with his fluffy brown-and-white Pomeranian, Sierra Mae, to check on the ranchland he tends. Nested in western Arizona's Big Sandy River Valley, the ranch protects Ha' Kamwe' - hot springs that are sacred to the Hualapai and known today in English as Cofer Hot Springs. As the shadows lengthened, Bender saw something surprising - men working on a nearby hillside. © High Country News, 06/09/21

[The Record Temperatures Enveloping The West Are Not Your Average Heat Wave](#)

It might be tempting to shrug at the scorching weather across large swaths of the West. This just in: It gets hot in the summer. But this record-setting heat wave's remarkable power, size and unusually early appearance is giving meteorologists and climate experts yet more cause for concern about the routinization of extreme weather in an era of climate change. © NPR, 06/19/21

[Nez vetoes reopening of tribal parks](#)

President Jonathan Nez has vetoed the 100% reopening of tribal parks. For weeks now, Navajo-owned touring

businesses, vendors and Council delegates have requested the reopening of tribal parks at 100 percent during the tourist season. © Navajo Times, 06/19/21

[The Museum Building an Incubator for Native Food Businesses](#)

The three counties where the California Indian Museum and Cultural Center operates - Sonoma, Lake, and Mendocino - are home to 24 tribes and more than 23,000 Native people. Since 1996, the museum has worked to reconnect these tribal community members to traditional knowledge and practices, including foodways. The nonprofit offers several food-focused programs, including a youth-led project to create a healthy snack made of acorns. © Civil Eats, 06/21/21

[Dispossessed, Again: Climate Change Hits Native Americans Especially Hard](#)

From Alaska to Florida, Native Americans are facing severe climate challenges, the newest threat in a history marked by centuries of distress and dislocation. While other communities struggle on a warming planet, Native tribes are experiencing an environmental peril exacerbated by politics - first imposed by white settlers and later the United States government - that forced them onto the country's least desirable lands. © New York Times, 06/27/21

[Where the buffalo roam: world's longest wildlife bridge could cross the Mississippi](#)

Chad Pregracke spends months every year living on barges and cleaning up refuse from the Mississippi, and he has brought his passion for the river to his latest project: converting the ailing bridge into a buffalo preserve. The idea came to him four years ago as he drove across the bridge one day, he says: "I thought, what if we made this a wildlife crossing?" © The Guardian, 06/27/21

[NW tribes want to be at the table for green energy planning](#)

When green energy projects bloom across Washington, many are on cultural sites important to tribes in the region. The Yakama Nation's director of natural resources feels torn about the increasing number of windmills and dams in his tribe's ancestral territories. © Crosscut, 06/29/21

Resources

Meeting Place: Scorched

Meeting Place is a site specific choreography in the high elevation forests in Flagstaff, Arizona. Dancing on the ashes of a burned slash pile, the movement revolves around the concept of returning to places that were once familiar but have since changed and evolved in our absence. To view the film, click [here](#).

Increasing Inclusion of Indigenous Knowledge and Local Knowledge in International Assessment Reports

This compendium represents steps toward the inclusion of Indigenous Knowledge (IK) and local knowledge (LK) into international assessments. The contributions within this compendium documents how holders of IK and LK observe, project, and respond to anthropogenic climate change. This compendium constitutes an invaluable resource to be considered in international assessment reports, including the Working Group II contribution to the Intergovernmental Panel on Climate Change Sixth Assessment Report and beyond. To read the report, click [here](#).

Atmospheric Tales Podcast: Traditional Knowledges of Indigenous Peoples and Environmental Challenges

This episode features the Institute for Tribal Environmental Professionals' Executive Director, Ann Marie Chischilly. Ann Marie discusses the traditional knowledges of indigenous peoples and their relevance and importance to mitigating and adapting to climate change and environmental challenges in general. To listen to the podcast, click [here](#).

Celebrating Transformational Adaptation - 2021 Southwest Adaptation Forum

The much anticipated 2021 Southwest Adaptation Forum panel discussions, activities, and resources are now publicly available! From inspiring stories of climate adaptation and resilience to understanding how to continue and grow this work - in the right way - the 2021 Southwest Adaptation Forum was an opportunity to showcase the transformations occurring in our communities and beyond. To access the forum, click [here](#).

Southwest and South Central Climate Adaptation Science Center (CASC) Investigators Publish Editorial on Managing Colorado River Risk

Southwest CASC investigator Brad Udall and South Central CASC investigator John Fleck recently published an editorial on Managing the Colorado River Risk. The Colorado River system delivers water to 40 million people in the United States and Mexico, and irrigates millions of acres of agricultural lands. As temperatures warm due to climate change, water flow is down by 20% and the two largest reservoirs along the river are projected to be at 29% capacity by 2023, leaving a complicated situation for decision-makers and politicians as water allocation agreements are renegotiated over the next 4 years. Udall and Fleck lay out this enormous challenge, outline what the latest science is saying, and urge decision-makers to "follow the science" as they negotiate over this precious resource. To read the article, click [here](#).

Global Energy Outlook 2021: Pathways from Paris

In this annual report, Resources for the Future reviews and compares recent long-term projections from some of the world's leading energy institutions. These projections range widely from those that assume little to no change in energy and climate policies to those that lay out

technological feasible yet politically challenging pathways to limit climate change, improve energy access, and reduce air pollution. This year's report provides particular insight into the differences between pathways aligned with the 1.5 degree and 2 degree Celsius climate targets; the effects of COVID-19 on future population, GDP, and energy demand; and the energy intensity of the global economy. To view the report, click [here](#).

Southwest Practitioners Adaptation Network (SPAN)

SPAN builds capacity for actionable climate change adaptation solutions and SPANs the boundaries between science and decision-making. By connecting and leveraging existing networks, SPAN links climate adaptation and assessment practitioners with resources, support, and knowledge to build stronger partnerships across the U.S. Southwest. To view the website, click [here](#).

United South and Eastern Tribes' (USET) New Website and Climate Change Web Page

USET has a brand new website with a brand new Climate Change web page. These pages will continue to provide information regarding climate science events, funding opportunities, and other resources from across the USET region and Indian country overall. To view the website, click [here](#).

Building Authentic Collaborations with Tribal Communities: A Living Reference for Climate Practitioners

The Climate Science Alliance strives to facilitate regular conversations on how to cultivate meaningful and authentic collaborations with Indigenous communities. This work is successful when we are able to uplift others' voices, make sure that climate conversations are accessible and relatable, and ensure that Indigenous ways of knowing are at the forefront of climate adaptation work. Each section of this resource guide provides important information, key resources, and listed actions to take prior to reaching out to build new relationships with Tribal communities. To review the resource, click [here](#).

Federal Emergency Management Agency's (FEMA) Hazus 5.0 Update

FEMA's Hazus Team has released a new version of Hazus software with major data and software improvements. Hazus identifies areas with high risk for natural hazards and estimates physical, economic, and social impacts of earthquakes, hurricanes, floods and tsunamis. It is distributed as free GIS-based desktop software with a collection of inventory databases for every United States state and territory. To view the tool, click [here](#).

Exploring the Energy Transition on Tribal Lands, with Pilar Thomas

In this episode, host Daniel Raimi talks with Pilar Thomas, a partner at Quarles & Brady and a professor of the practice at the University of Arizona and Arizona State University. Thomas is an expert on energy development and environmental management on tribal lands and has served in the US Departments of Justice, Interior, and Energy. Raimi and Thomas discuss how different tribes are approaching fossil and renewable energy development, preparing for the energy transition, and addressing energy poverty on tribal lands. To listen to the podcast, click [here](#).

Job & Internship Opportunities

Pacific Institute Research Associate, Climate and Water Justice

We are seeking a collaborative, impact-focused Research Associate to support research and analysis that advances water and climate change sustainability, resilience, and environmental justice with an explicit focus on water-related challenges faced by and solutions for the most marginalized, frontline communities. **Application deadline: July 1, 2021**

Native American Graduate Fellowship in Land and Water Management

The Babbitt Center for Land and Water Policy is offering Native American Graduate Fellowships in Land and Water Management. Applications are welcomed from tribal members who are pursuing graduate studies in water and/or land use management, broadly defined. The goal of the Fellowship is to support Native American students' pursuit of skills and expertise through graduate education that can be applied to advance water resilience in tribal communities. **Application deadline: July 1, 2021**

Nonpoint Source Management Coordinator

The Confederate Tribes of the Colville Reservation is hiring a Nonpoint Source (NPS) Management Coordinator (Environmental Senior) position, to be located within the Environmental Trust Department. The Coordinator will administer Tribal codes addressing nonpoint source pollution control management and hydraulic practices; conduct natural resource project and burned area impact assessments; and participate in multidisciplinary natural resource planning and resource monitoring. **Application deadline: July 2, 2021**

Luce Indigenous Knowledge Fellowship 2022

First Nations will award 10 fellowships of \$75,000 each to 10 outstanding Native knowledge holders and knowledge makers engaged in meaningful work that benefits Indigenous people and communities in either reservation and/or urban settings. These fellowships support the work of Native knowledge holders and knowledge makers as they significantly advance their work and spark transformative change in their communities. **Application deadline: July 13, 2021**

Assistant Director - Energy and Climate Justice Programs

The Assistant Director position with the Environmental Center at the University of Colorado Boulder supports department operations, programming, and staff. Plan and execute programs and projects related to energy justice, climate justice, energy efficiency, renewable energy, water conservation, green building, and other campus sustainability and social justice issues. **Application deadline: July 17, 2021**

Institute for Tribal Environmental Professionals (ITEP) - Event Coordinator, Sr.

The ITEP Events Coordinator, Sr. position is responsible for coordinating all aspects of event planning and delivery for several in-person, hybrid, and virtual conferences and events. These events can vary in size from 200 to 2,000 participants and take place in various locations throughout the United States. This position works under the supervision of the ITEP Assistant Director, and coordinates closely with other ITEP staff, external partners, NAU departments, and outside vendors to ensure all tasks are executed according to schedule. **Application deadline: July 19, 2021**

Tribal Lands and Environment Forum (TLEF) Cultural Video and Music Submission

Since TLEF will be gathering virtually this year, we want to highlight as many Tribal Nations and Native Villages that want to share

their stories and music. We are inviting you to share a 1-3 minute long video of dance, music, harvests, cooking demonstrations, traditional plants, stories, jewelry, regalia, artist demonstrations - anything that you would like to share with your colleagues from your Tribe's culture. **Submission deadline: July 26, 2021**

National Tribal Water Council Seeks New Members

The National Tribal Water Council is a technical and scientific body established to advocate for the interests of federally recognized Indian and Alaska Native tribes in matters pertaining to water. The council is currently accepting applications to fill an open membership position for water professionals employed by federally recognized Tribes or Tribally authorized organizations in EPA Region 10. For more information, contact Elaine Wilson elaine.wilson@nau.edu **Application deadline: August 13, 2021**

Cultural Use of Fire in the Southwest - Literature Review Outreach

The Southwest Fire Consortium is seeking a graduate level student to conduct a literature review on the topic of cultural use of fire in the Southwest (primary focus on New Mexico and Arizona, but not exclusive of surrounding areas). Outputs will include annotated bibliography with entry into an existing fire/climate literature database, and a literature review. If interested, please share resume/CV and a letter of interest with Barb Satink Wolfson barbara.wolfson@nau.edu **Application deadline: position open until filled.**

Intertribal Agricultural Council (IAC) Job Openings

IAC is a nonprofit organization that is recognized as the most respected voice within the Indian community and government circles on agricultural policies and programs in Indian country. IAC has worked to build opportunity for Indian agriculture producers with an eye towards true sovereignty and self-sufficiency in Indian Country by recapturing the ability to feed Indigenous communities. IAC is currently hiring for multiple positions both full-time salaried and internships. **Application deadline: positions open until filled**

The Nature Conservancy: Indigenous Peoples and Local Communities (IPLC) Conservation Program Associate

The Nature Conservancy's Conservation in Partnership with Indigenous Peoples and Local Communities strategy supports and partners with Indigenous Peoples and local communities to manage oceans, lands and waters in ways that improve people's lives and drive conservation outcomes. We are hiring two Conservation Program Associates, one that will work in support of TNC's Community-Led Conservation programs around the world and one that will support this strategy within TNC's North America Region. **Application deadline: position open until filled**

Indigenous Engagement Coordinator - Navigating the New Arctic (NNA) Community Office

This position will focus on supporting Arctic communities by facilitating local/regional NNA research partnerships and interfacing NNA research with Indigenous cultures, knowledge systems, and research needs. This position will work closely with the Office of Research and Community Engagement (ORCE) Director at Alaska Pacific University and the NNA-CO team to advance the office's support of use-inspired convergence research in the Arctic. **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/>

Climate Change Mitigation Assessment Initiative

USDA Farm Service Agency is soliciting proposals for a multi-year monitoring and assessment effort to quantify the climate benefits of the Conservation Reserve Program and improve USDA's existing models and conservation planning tools. Proposals are welcome from all types of organizations, including public, private, and nonprofit institutions and must include partners associated with Historically Black Colleges and Universities, and/or Hispanic-Serving institutions, or organizations. **Application deadline: July 1, 2021**

USDA-NIFA Agriculture and Food Research Initiative Competitive Grants Program Sustainable Agriculture Systems (SAS)

Request for applications must focus on approaches that promote transformational

changes in the U.S. food and agricultural system. NIFA seeks creative and visionary applications that take a systems approach for projects focused on: sustainable agricultural intensification; agricultural climate adaptation; value-added innovation; and/or food and nutrition translation. **Application deadline: July 1, 2021**

Healthy Soil Program Grant Applications

The New Mexico Department of Agriculture is accepting grant applications for its Healthy Soil Program, which was created in the 2019 Healthy Soil Act. The act's purpose is to promote and support farming and ranching systems and other forms of land management that increase soil organic matter, aggregate stability, microbiology, and water retention to improve the state's soil health, yield, and profitability. **Application deadline: July 2, 2021**

Environmental Protection Agency (EPA) Multipurpose Grants

The U.S. EPA is announcing the availability of Multipurpose Grant (MPG) funding to support states, Tribes and territories in addressing high-priority environmental issues, including PFAS, environmental justice and climate change. Through these grants, EPA and its state and Tribal partners will advance priorities to deliver environmental and public health results across the nation. **Application deadline: July 9, 2021**

Gulf Research Program (GRP) Funding Opportunity

The GRP welcomes proposals from organizations that provide fiscal oversight of an existing community of practice excluding federal agencies, that focuses on climate adaptation or disaster resilience to build the knowledge base and capacity of their members to apply an equity lens to their activities in order to address the needs or challenges of communities that are disproportionately at risk from climate hazards or other disasters. **Application deadline: July 20, 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

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>

July 2021

Virtual Conference: July 5-29

Native Youth Community Adaptation and Leadership Conference

The Native Youth Community Adaptation and Leadership Conference is a great opportunity for young people to learn about Tribal climate adaptation, network with other young people, and get involved in climate action.

Virtual Event: July 12-16

Tribal Climate Resilience Camp

The United South and Eastern (USET) Tribal Climate Resilience Camp will support teams of Tribal leaders, climate change coordinators, planners, and program managers to build skills, gather information, and develop Tribal policies and plans needed for Tribal Nations to address climate change impacts. Registration is open until May 31st or until all slots are filled.

Virtual Webinar: July 13th, 10am ET, Southeast Climate Monthly Webinar + New Climate Normals

These webinars provide the region's stakeholders and interested parties with timely information on current and developing climate conditions such as drought, floods, and tropical storms, as well as climatic events like El Nino and La Nina. Speakers may also discuss the impacts of these conditions on topics such as wildfires, agriculture production, disruption to water supply, and ecosystems.

Virtual Conference: July 22-29

Native Youth in Food and Agriculture Leadership Summit

The 2021 Native Youth in Food and Agriculture Leadership Summit is open to American Indian, Alaska Native, and Native Hawaiian youth, ages 18-24. This year's Summit will build on previous Summits but will be more intensive. The 2021 Summit will be a skills-development focused event that will give attendees an opportunity to do a deep dive in a particular area of food and agricultural production or policy.

Virtual Conference: July 28-30 **Summer Institute for Climate Change Education**

The Climate Literacy & Energy Awareness Network is leading of cohort of educators to the Summer Institute for

Climate Change Education, hosted by Climate Generation in partnership with NOAA's Climate Program, and The Wild Center's Youth Climate Program. You will gain the skills, tools, and resources to teach climate change concepts and empower students in all subject areas, and receive on-going support throughout the year.

Virtual Webinar: July 23, 12pm ET **Guidelines for the Use of Traditional Knowledges**

The Ecological Society of America (ESA) Traditional Ecological Knowledge Section will be hosting a webinar series to facilitate a virtual space to welcome and hear from Indigenous voices who work to help sustain and nurture TEK within their communities. The speakers will share tools, processes, and practices they have learned through activities that work for them in their journey to utilize TEK.

Virtual Conference: **July 26-29 & August 2-5** **National Conference on Ecosystem Restoration (NCER)**

NCER is an interdisciplinary conference on large-scale ecosystem restoration presenting state-of-the art science and engineering, planning and policy in a partnership environment. NCER brings together scientists, engineers, policy makers, planners, and partners from across the country actively involved in large-scale ecosystem restoration.

Virtual Meeting: July 28, 11am CT **Special Northeast Indigenous Climate Resilience Network (NICRN)**

NICRN will have a special guest speaker, Omar Gates from the Great Lakes Integrated Sciences and Assessments (GLISA). Omar is a Climatologist and GLISA's Tribal Liaison who helps integrate climate science with Indigenous Knowledges for the adaptation practices of Great Lakes Tribes and Tribal organizations. Omar will present on a new tool called the Hazard Mitigation Plan (HMP) Viewer which provides historical and projected climate information for several states in the Great Lakes, Mid-Atlantic, and Carolinas. For questions, email shiftingseasons@menominee.edu or sarasmith@menominee.edu

August 2021

Symposium: August 1-5

2021 Women and Water Coming Together Symposium

The 5th Annual Women and Water Coming Together Symposium: Reawakening The Ancient Pathways To Life. Wind, Fire, Earth, Water Days.

Virtual Workshop: August 9-13 **ITEP's Introduction to Climate Change Adaptation Planning for Tribes (Western Region)**

This is week-long virtual course introduces planning for climate change impacts, with examples of how Tribes have approached the adaptation planning process. The course is intended for Tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning.

Virtual Workshop: August 10 & 17 **Culturally Relevant Education in Environmental Data Science (CREEDS) Workshop**

Explore what it means to approach education around data science principles and skills from a culturally responsive perspective. This workshop will engage interdisciplinary teams to discuss existing and new approaches for developing culturally responsive data science curricula in the environmental sciences.

Virtual Conference: August 16-19 **2021 Tribal Lands and Environment Forum**

Save the Date. Stay tuned for more details. [Proposals](#) for this event are being accepted for this virtual event until May 14, 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. Please save the dates, check back for updates on the program, and contact us for sponsorship opportunities.

Upcoming Events Continued...

September 2021

Virtual Workshop: September 29 - October 1

[9th Annual Rising Voices Workshop](#)

Save the date. Centering justice in the convergence of sciences, communities, and actions. More information to come.

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.

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.

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.