



# Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

2021 October

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.



Photo courtesy of Kelsey Jensen

## Meet the Climate Change Team

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Yellow and red leaves of tree against blue sky. Beautiful sunny weather in fall.

**2020** The pandemic brought so much uncertainty, new and old stressors, and challenges. It has also given many of us the chance to learn new things and create or emphasize new routines. If anyone reads these newsletters, you may recall that my family (four humans, three dogs and a cat when he decides we are worthy of his presence) started the daily tradition of taking walks that last up to an hour and over a mile each day. These walks are not only excellent for our physical and mental health, they have been a tremendous stress reliever for my life partner who works in the medical field. Whether it's sunny, sprinkling, snowing or windy, we try to do these daily walks. My partner is from a small farming community where you worked hard, took care of family and did it all over again the next day. As many of us do, we come from familial units where the support system does not always include talking or sharing of our mental and spiritual health. For some, this was only shared within certain ceremonial circles. A consequence has been the reliance on foreign substances such as alcohol, prescription drugs, and processed foods. Personally, I have experienced and seen how these bottled-up feelings challenge how we handle our emotions and actions towards ourselves and others. Therefore, a support system is always needed. It has taken me over two decades of listening, learning and changing my actions so I can be emotionally, physically and spiritually healthier so I can be the best relative to my family, friends and colleagues, but also a good life partner and mother to my children. It has not been an easy journey but I could not have done it alone.

Every day, I think about you. I think about my relatives far and near. What kind of support system do you have? Do you have one? If you do not have one, I encourage you to take that first step to finding one. You never know where you will find it. Perhaps it is a book, article, TV show, inspirational videos, or the outdoors. I brought up the story about my life partner

because they have tried to bottle up their emotions and stress, but they are fortunate to have me (ayyyye). Seriously though, when my life partner opens up, talks about the stress or partakes in prayer and blessing themselves with burning cedar, I can watch the color and laughter return. They are more present with our children and our partnership is that much stronger and easier.

As we continue to address how we can take care of ourselves, our communities, and non-human relatives from climate change impacts, we also need to take care of ourselves. There are many successes or victories we can look to. Some of us thought that the Navajo Generating Station in Page, Arizona or the Peabody Coal Mines on Black Mesa, AZ or the drilling of the Arctic Wildlife Refuge would never end. But those monsters were slayed, and we continue to focus on protecting our lands and waters from corporations and from climate change. For inspiration or guidance, remember our ancestors who survived the forced Long Walks and Trail of Tears. They survived so we could continue to persevere and take care of our Mother Earth, Father Sky, and all our relatives. When I'm feeling down, this gives me hope and motivation. What keeps you going? I would love to hear from you because you are all a source of inspiration. Also, if you need a reason to smile, know that for Halloween, my son is going to dress up as a hot dog and my partner and I will dress up as ketchup and mustard.

In closing remember to walk, think, speak, breath and walk in hozhó. The Beauty way. In harmony. Take care of yourselves.

[Run to Be Visible: Dr. Lydia Jennings](#)

[Decolonize Your Mind](#)

[Mashpee Wampanoag](#)

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 Mack**  
Alaska Native Tribal Health Consortium

### Federal Agency Representatives:

**Lisa Bacanskas**  
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**Alicia Bell-Sheete**  
U.S. Forest Service

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

**Ashley Fortune Isham**  
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**Rachael Novak**  
Bureau of Indian Affairs

**Chris Swanston**  
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### Tribal Resilience Liaisons:

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Tribal Resilience Learning Network, AK  
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Northwest Climate Adaptation Science Center  
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**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

## [Collecting seeds to Restore Prairie Grasslands](#)

Fort Belknap encompasses 623,000 acres of mostly prairie grassland in north-central Montana. The reservation is home to both the Aaniiih (Gros Ventre) and Nakoda (Assiniboine) tribes, which share a single government as the Fort Belknap Indian Community. Tyrus Brockie, a 22-year-old member of the Aaniiih Tribe, stood near Spottedbird, busily snipping off seed tops and dropping them into a paper bag. The young adults were part of the Fort Belknap Indian Community Grassland Restoration Project, a partnership between the reservation and the Bureau of Land Management (BLM). Gathering seeds from healthy plots is the first step in restoring dry, dusty degraded land in the area, a visible mark of colonization.

## [A Historic Rainforest and Other Lands Have Been Returned to Indigenous Australians](#)

Some of Australia's world famous national parks have been returned to the hands of Indigenous owners after a deal was negotiated with the government. The deal signed last month between members of the Eastern Kuku Yalanji community and the government means four national parks were returned to the traditional owners of the land. That area includes the Daintree National Park, a UNESCO World Heritage Site, that's estimated to be around 130 million years old. © NPR KNAU, 10/05/21

## [Biden Restores Protection for National Monuments Trump Shrank: 5 Essential Reads](#)

On October 7, 2021, the Interior Department announced that President Biden was restoring protection for three U.S. national monuments that the Trump administration sought to shrink drastically: Bears Ears and Grand Staircase-Escalante in Utah, and Northeast Canyons and Seamounts in the Atlantic Ocean. © The Conversation, 10/8/21

## [Keeping a Detailed Record of the Changing Climate Could Save This Tribe's Foodways](#)

As fall arrives in Karuk country in the Klamath River Basin of Southern Oregon and Northern California, the nights grow cooler, and many families hunt for deep and elk and gather acorns, evergreen huckleberries, and tanoak mushrooms. These traditional foods are key to food security on a

family and community level, explains Lisa Hillman, a Karuk Tribe cultural practitioner and weaver © Civil Eats, 10/08/21

## [A Native-led Land Trust Is Working to Empower Indigenous Youth Through Kelp Farming](#)

The program from the nonprofit Native Conservancy is helping cultivate food sovereignty, regenerate the marine environment, and boost the local economy. Just east of the Kenai Peninsula in south central Alaska sits Prince William Sounds, an inlet full of tidewater glaciers spanning 3,800 miles of coastline and flanked by jagged Chugach Mountains. Home to several species of salmon and other fish, commercial fishing has been the main industry that has sustained its communities for decades. But warming waters caused by climate change has led to fewer fish stocks, making commercial fishing more challenging and less profitable. © Civil Eats, 10/13/21

## [Frontline Indigenous Leaders Occupy the Bureau of Indian Affairs in D.C. for the First Time Since the 1970s](#)

Frontline Indigenous leaders from various fossil fuel fights from across Turtle Island have occupied the Bureau of Indian Affairs in Washington, D.C. for the first time since the 1970s. On March 16th 1970, the first occupation of a Bureau of Indian Affairs office happened in Littleton, Colorado and led to the Indian Hiring Preference and set off a chain of occupations that ended in Washington D.C. in 1972 © Indigenous Environmental Network, 10/14/21

## [Indigenous Water Rights of the Colorado River](#)

Howard Dennis, Squash Clan Chief of the Hopi Tribe, reminded an intimate crowd in Moab, Utah last weekend that the headwaters of a river are not in the mountains of an upstream state, but rather in the clouds. As children from Second Mesa danced to vibrations of song and drum beats, they were asking the creator to bring rain down to all people in the region. Howard explained the ceremony, and how they dance for everyone on Mother Earth, regardless of race or religion © The Medium, 10/14/21

## [North Carolina Tribes Fear Pipeline Will Damage Waterways. Burial Grounds](#)

When Crystal Cavalier-Keck heard in 2018 that an energy developer was planning to build a natural-gas pipeline near her hometown of Mebane, North Carolina, she was immediately concerned. Cavalier-Keck, who is a member of the Occaneechi Band of the Saponi Nation, knew about the violence against Indigenous women that often takes place when so-called "man camps" are assembled in areas where pipeline projects cut through Native Communities. © Grist, 10/15/21

## [In Southeast Alaska, A New Type of Conservation](#)

"Let it exist forever, Ch'u tleix awe kugaagastee." It's the uniting phrase for a partnership between environmental scientists, park rangers, hunters, former timber harvesters and tribal council members in Southeast Alaska. 10 years ago, these groups may have been at odds. But today, they are harnessing a combination of Indigenous knowledge and local input to improve the region's forest management. © Indian Country Today, 10/18/21

## [Chippewa Cree Tribe to Welcome the Return of 11 Buffalo to Rocky Boy Reservation](#)

The Chippewa Cree Tribe will welcome the return of 11 buffalo to their lands on Oct. 26. The historic transfer of the animals from the American Prairie and Confederated Salish and Kootenai Tribes marks the first time buffalo will be on the reservation since the early 1990s, according to a news release. © Great Falls Tribune, 10/18/21

## [How Tribal Leaders Want Chuck Sams to Lead the Park Service](#)

In August, the Biden administration nominated Charles "Chuck" Sams III to lead the National Park Service. Sams, a U.S. Navy veteran who was, most recently, the executive director of the Confederated Tribes of the Umatilla Indian Reservation, also worked as an adjunct professor at both Georgetown University and Whitman College, where he taught about treaties between sovereign governments. He's currently the sole tribal member on the Northwest Power and Conservation Council. © High Country News, 10/19/21

# Resources

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## **Informational Report: The Unmet Infrastructure Needs of Tribal Communities and Alaska Native Villages in Process of Relocating**

The Bureau of Indian Affairs would like to announce the release of a 2020 report on The Unmet Infrastructure Needs of Tribal Communities and Alaska Native Villages in Process of Relocating to Higher Ground as a Result of Climate Change (Report). The Report was developed in a partnership of Federal agencies, Tribal organizations, the State of Alaska, and others. The Report focuses on Tribal communities and Alaska Native villages who are experiencing threats such as sea level rise, storm surge and ice jams, permafrost degradation, frequent flooding and persistent erosion, and similar impacts. It assesses the overall infrastructure need for Tribes and Alaska Native villages facing relocation, managed retreat, and protect-in-place decisions, highlights resources available, identifies the current unmet need, and moves further to discuss opportunities for policymakers to address this growing need. To read the report, click [here](#).

## **Abundance: A Story Map by Confederated Tribe Coos, Lower Umpqua and Siuslaw (CTCLUS)**

Abundance is a story map provided by the modern Tribal government of Confederated Tribes of Coos, Lower Umpqua and Siuslaw to give voice to their stories and culture and enrich public school curriculum in Oregon. To view the story map, click [here](#).

## **Vaka Moana: Weaving Traditional and Modern Science to Understand Current and Future Ocean Conditions**

A recent innovative virtual event invited participants to sail on Pacific currents and to hear Pacific Islanders share their stories of how they use both traditional knowledge and modern science in their day-to-day lives. The event was hosted by the Pacific Community (SPC), the region's hub for science, technology and innovation for sustainable development, and home to the Pacific Community Centre for Ocean Science (PCCOS), who have now made available two recordings as novel resources. To learn more, click [here](#).

## **ITEP 2021 Status of Tribes and Climate Change Report**

ITEP's Tribes and Climate Change Program is excited to announce that the Status of Tribes and Climate Change (STACC) Report is now available. ITEP is so grateful to all partners in helping make this vision a reality which includes over 90 authors and contributors. You may access the Report on the dedicated website below and feel free to share with your networks. In addition, please view the media toolkit for suggestions on sharing the report. To read the report, click [here](#).

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

The Climate Science Alliance has worked with several partners from across their networks to compile a living reference for climate practitioners. This 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 guide, click [here](#).

## **Climate Change and Social Vulnerability in the United States: A Focus on Six Impacts**

Climate change affects all Americans—regardless of socioeconomic status—and many impacts are projected to worsen. But individuals will not equally experience these changes. This report improves our understanding of the degree to which four socially vulnerable populations—defined based on income, educational attainment, race and ethnicity, and age—may be more exposed to the highest impacts of climate change. Understanding the comparative risks to vulnerable populations is critical for developing effective and equitable strategies for responding to climate change. To read the report, click [here](#).

## **New Report: Indigenous Resistance Disrupts Billions of Tons of Greenhouse Gas Emissions Annually**

The Indigenous Environmental Network and Oil Change International are releasing a new report titled Indigenous Resistance Against Carbon. The report analyzes the impact that Indigenous resistance to fossil fuel projects in the United States and Canada has had on greenhouse gas emissions over the past 10 years. From the struggle against the Cherry Point coal export terminal in Lummi territory to fights against pipelines crossing critical waterways, Indigenous land defenders have exercised their rights and responsibilities to not only stop fossil fuel projects in their tracks, but establish precedents to build successful social justice movements. To read the report, click [here](#).

# Job & Internship Opportunities

## Actionable Science Postdoctoral Scholar

The Northwest Climate Adaptation Science Center (NW CASC) is hiring an Actionable Science Postdoctoral Scholar who will play a leading role in the NS CASC's efforts to foster co-production of decision-relevant science across the Northwest. The NW CASC Postdoctoral Scholar will advance transdisciplinary research that address complex social-ecological problems by facilitating training for NS CASC fellows, supporting NW CASC regional science dialogue and information-sharing activities and evaluating the efficacy of these activities in advancing actionable climate science and regional communities of practice. **Application deadline: Applications received by November 10, 2021 will be prioritized. Will be open until filled.**

## 2021-2022 Cohort Professional Certificate in Tribal Relations

The Certificate in Tribal Relations is offered by the Institute for Tribal Government and Center for Public Service in the Mark O. Hatfield School of Government. It is a 9-month program designed for local, state, and federal government agencies, non-profit and for-profit organizations, and trade associations that work regularly with Tribal Nations and Native communities. **Application deadline: December 1, 2021**

## American Climate Leadership Awards (ACLA)

The third annual ACLA recognizes, rewards, and shares the models of effective climate advocates. Do you know an on-the-ground climate champion or organization making a serious impact to mobilize Americans to curb climate change in just, equitable, and inclusive ways? ACLA is seeking nominations for a stand out individual or group of individuals making a difference. This year, 20 semi finalists will be awarded \$1,000 (new), 8 finalists will receive \$10,000, 1 runner up will receive \$25,000 and the winner will receive \$50,000. **Application deadline: December 1, 2021**

## Host Sites Needed for Summer Internship Program

The Institute for Tribal Environmental at Northern Arizona University in Flagstaff, Arizona is seeking air quality focused offices and programs to host a college student for an 8-week summer internship. Tribal environmental offices, EPA offices, and other tribal environmental organizations are encouraged to apply. The interns will be highly motivated undergraduate or graduate students majoring in environmental or related careers from different colleges and universities nationwide. ITEP provides each student intern with a \$4,800 stipend, and housing and travel allowances for interns that relocate. The host site provides a workplace and supervision for the intern. Some internships may be virtual. You are welcome to submit applications for both virtual projects and in-person projects. The projects MUST focus on addressing air quality issues in tribal communities. **Application deadline: December 3, 2021**

## NOAA Davidson Graduate Fellowship Applications

Graduate students are encouraged to apply for a two-year Margaret A. Davidson Graduate Fellowship, which will focus on field research in social or natural sciences within the nation's diverse estuaries. Students will work with a mentor, fellow scientists, and local communities as the team addresses coastal challenges. Apply for one of the 29 fellowships available through the National Estuarine Research Reserve System, which represent the apex of estuary science, where fieldwork, research, and community engagement come together to create the scientific advances that change communities and the world. **Application deadline: December 10, 2021**

## 2022 NOAA Climate & Global Change Fellowship Announcement

The UCAR Cooperative Programs for the Advancement of Earth System Science is pleased to announce that we are seeking applicants for the 2022 NOAA Climate & Global Change Postdoctoral Fellowship Program. This fellowship program has an excellent reputation for attracting some of the brightest PhDs in the climate sciences. **Application deadline: January 7, 2022**

## Sitting Bull College - Meteorology and Atmospheric Science Instructor

This person will teach classes in Environmental Science at Sitting Bull College, especially in the area of Meteorology and Atmospheric Science. This person will mentor and advise students in the SBC Environmental Science degree programs. This person will help develop, maintain and promote the FIARE monitoring station, which is funded by NASA. FIARE will provide research opportunities for BS and MS students using data derived from FIARE. **Application deadline: position open until filled**

## Ancestral Lands Conservation Corps - Indigenous Researching and Mapping Individual Placement

The Partnership for the National Trail System (PNTS) Ancestral Lands Conservation Corps (ALCC), Federal Land Management agencies and Native Land Digital have partnered to "create and foster conversations about the history of colonialism, indigenous ways of knowing, and settler-Indigenous relations," through educational resources and a GIS mapping. This project is intended to be the beginning of important - and necessary - conversations that will spark genuine future collaborations and long-standing relationships. **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.**

## Endowed Faculty Job with University of Nebraska Medical Center

The University of Nebraska Medical Center College of Public Health, Department of Environmental, Agricultural & Occupational Health is conducting a nationwide search for a tenure-leading endowed faculty position. The candidate may be of any faculty rank and their research should emphasize environmental health, with special emphasis on addressing issues associated with climate change and/or water quality. The successful candidate will be a key member of the Water, Climate and Health Program, an exciting new program that utilizes research, education and outreach, training, and policy development to address Nebraska's public health challenges associated with water and climate change. **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](http://www.grants.gov/applicants/find_grant_opportunities.jsp)

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

### **EJ4Climate: Environmental Justice and Climate Resilience**

A grant program that supports underserved and vulnerable communities, and Indigenous communities in Canada, Mexico, and the United States to prepare for climate-related impacts. This program will provide funding directly to community-based organizations to help them develop community-driven solutions to adapt to the impacts of climate change. For this inaugural grant cycle, the CEC is calling for initiatives that: support community resilience to climate change and climate-related impacts; yield tangible, equitable benefits for local communities by addressing or adapting to climate change impacts; consider local knowledge and transform that knowledge into an innovative action or solution; and build partnerships that respond to community-identified challenges. **Application deadline: November 14, 2021**

### **Communities Local Energy Action Program Pilot - Competitive Technical Assistance Opportunity**

The Communities LEAP Pilot Initiative of the U.S. Department of Energy (DOE) seeks to help communities access the economic and environmental benefits of clean energy and clean energy manufacturing. The pilot initiative aims to facilitate sustained community-wide economic empowerment through clean energy, improve local environmental conditions, and open the way for other benefits primarily through DOE's clean energy deployment work. This opportunity is specifically open to low income, energy-burdened communities that are also experiencing either direct environmental justice impacts, or direct economic impacts from a shift away from historical reliance on fossil fuels. **Application deadline: December 17, 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**

### **2021 EarthLab Innovation Grants Request for Proposals**

EarthLab is looking to fund projects that demonstrate co-creation and partnership between community partners and University of Washington researchers, interdisciplinary collaboration, action at the intersection of climate (both mitigation and adaptation) & social justice, and the potential for growth of the project or partnership. The Innovation Grants Program has \$300,000 available for the current funding cycle, with a maximum budget request of \$75,000 per project. **Letter of intent due: January 27, 2022**

### **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.fema.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**

### **Tribal Climate Resilience Liaisons**

The Secretary of the Interior, through Bureau of Indian Affairs, hereby solicits proposals from tribal non-profit, non-governmental organizations, and tribally controlled colleges or universities, to enter into a cooperative agreement for the support of tribal climate science needs through the hiring of a tribal climate resilience liaison. **Application deadline: Dec 17, 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>

## October 2021

**Webinar: October 27**

**[2021 Tribal Energy Webinar Series: Energy Projects and Workforce Development: A Win-Win Opportunity](#)**

Hosted by the Office of Indian Energy, this webinar will explore building electrification to utilize electricity rather than fossil fuels for building heating and cooking applications. Doing so can improve indoor air quality and reduce greenhouse gas emissions. This webinar will explore this trending topic on the path to a clean energy future.

**Forum: October 28, 12-2pm & 2-4pm ET**

**[Department of Interior \(DOI\) Listening Session on Tribal Climate Adaptation and Mitigation](#)**

In response to the climate crisis and President Biden's Executive Order 12985, DOU is holding the following virtual listening session focused on Tribal Climate Adaptation and Mitigation. Climate change, equity, and accessibility, and environmental justice are priorities of the Biden-Harris Administration and DOI would like to ensure that the efforts and initiatives are designed based on feedback and information from across Indian Country and Alaska Native Villages.

## November 2021

**Workshop: November 4, Mosquero, NM**

**[Shortgrass Prescribed Burning Workshop](#)**

Are you curious about using prescribed burning in shortgrass rangelands, but not sure if it's safe, effective, and needed? Join us in learning about prescribed burning in the shortgrass prairie. Specialists will host an indoor workshop on November 4, 2021 in the multipurpose room of the Mosquero Municipal School in Mosquero, New Mexico.

**Virtual Seminar: November 15, 3-4pm MST**

**[Amplifying Indigenous Voices in Invasive Species and Forest Adaptation Management](#)**

Join Dr. Danielle Ignace, enrolled member of the Coeur d'Alene Tribe, an ecophysicist, and science communication enthusiast. She studies how climate change, landscape disturbance, and invasions impact ecosystem function in communities of color.

**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, 11am PT**  
**[Virtual National Adaptation Forum Tribal & Indigenous Climate Adaptation Series](#)**

EcoAdapt is excited to present the virtual National Adaptation Forum Tribal & Indigenous Climate Adaptation Series. This is a four-part series focused on advancing discussions about climate adaptation in Tribal and Indigenous communities, highlighting promising adaptation practices, and showcasing the diversity of approaches to climate adaptation. The series will interest not only Tribal and Indigenous professionals, but also their neighbors, allies, and other adaptation professionals interested in innovative approaches. This series will touch on themes including Tribal climate and health, community-led adaptation, and Indigenous sustainability practices. The sessions will be diverse in format and will include panels, individual speakers, and a documentary film.

**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.

**Conference: November 18, 2021**  
**[A Meeting of Sacred Waters: Te Huinga Wai Tapu](#)**

A Meeting of Sacred Waters (translated from Te Huinga Wai Tapu in Māori) is a virtual gathering that provides a space for sharing Indigenous worldviews, values

and perspectives to reclaim the health of the world's rivers. Through the experiences of Indigenous peoples of the Whanganui and Colorado Rivers, this global exchange explores and honors the Indigenous knowledge vital to healing our ancestral waters.

**Listening Session: Week of November 29, 2021 TBD**

**[2021 DOI Listening Session: Relocation, Managed Retreat, & Protect-in-Place in Alaska](#)**

For the third listening session, the Bureau of Indian Affairs is seeking input from Tribal leaders to understand the unmet infrastructure needs for community relocation, managed retreat, and protection-in-place issues in Alaska. This session will facilitate a discussion on the information/resources needed to address this issue across the Department of the Interior. Come join us in this interactive session!

## 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.

## March 2022

**Symposium: March 29-31, Gulf Shores, Alabama**  
**[Southeast Climate Adaptation Science Center Regional Science Symposium](#)**

This event is intended for researchers working in the southeastern U.S. on climate impacts and adaptation for fish, wildlife, habitat, and cultural resources.

## May 2022

**Virtual Conference: May 2022**  
**[Southwestern Tribal Climate Change Summit](#)**

The 2022 Southwestern Tribal Climate Change Summit will continue to build off of momentum gathered from the inaugural event in 2017 in San Diego, CA followed by the 2019 event in Idyllwild, CA.