



Tribal Resilience Program

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OVERVIEW

Tribal Resilience Program (TRP) Overview

1. Purpose
2. Trainings and Workshops
3. Tribal Liaison Network
4. BIA Regional Support
5. Funding Opportunity
6. Geospatial Applications and Climate Tools
7. Youth Involvement

TRP Purpose

To provide resources to Federally-recognized Tribal Nations and Alaska Native Villages:

- To build capacity and resilience through both technical and financial assistance
- To support the delivery of data and tools
- For access to training and workshops
- Facilitate planning associated with impacts posed by harmful environmental trends



TRP Focus Area

Funding opportunities support Tribal Nations, Tribal consortia, and authorized Tribal organizations to build resilience through competitive awards for tribally designed:

- capacity building and resilience training access
- supplemental monitoring
- vulnerability and risk assessments
- climate adaptation planning
- ocean and coastal management planning
- relocation, managed retreat, or protect-in-place planning

Trainings and Workshops

Training Partner: Institute for Tribal Environmental Professionals (ITEP)

- Tribal Climate Change 101 Trainings- 18 since 2016!
- Biennial Virtual National Tribal and Indigenous Climate Conference

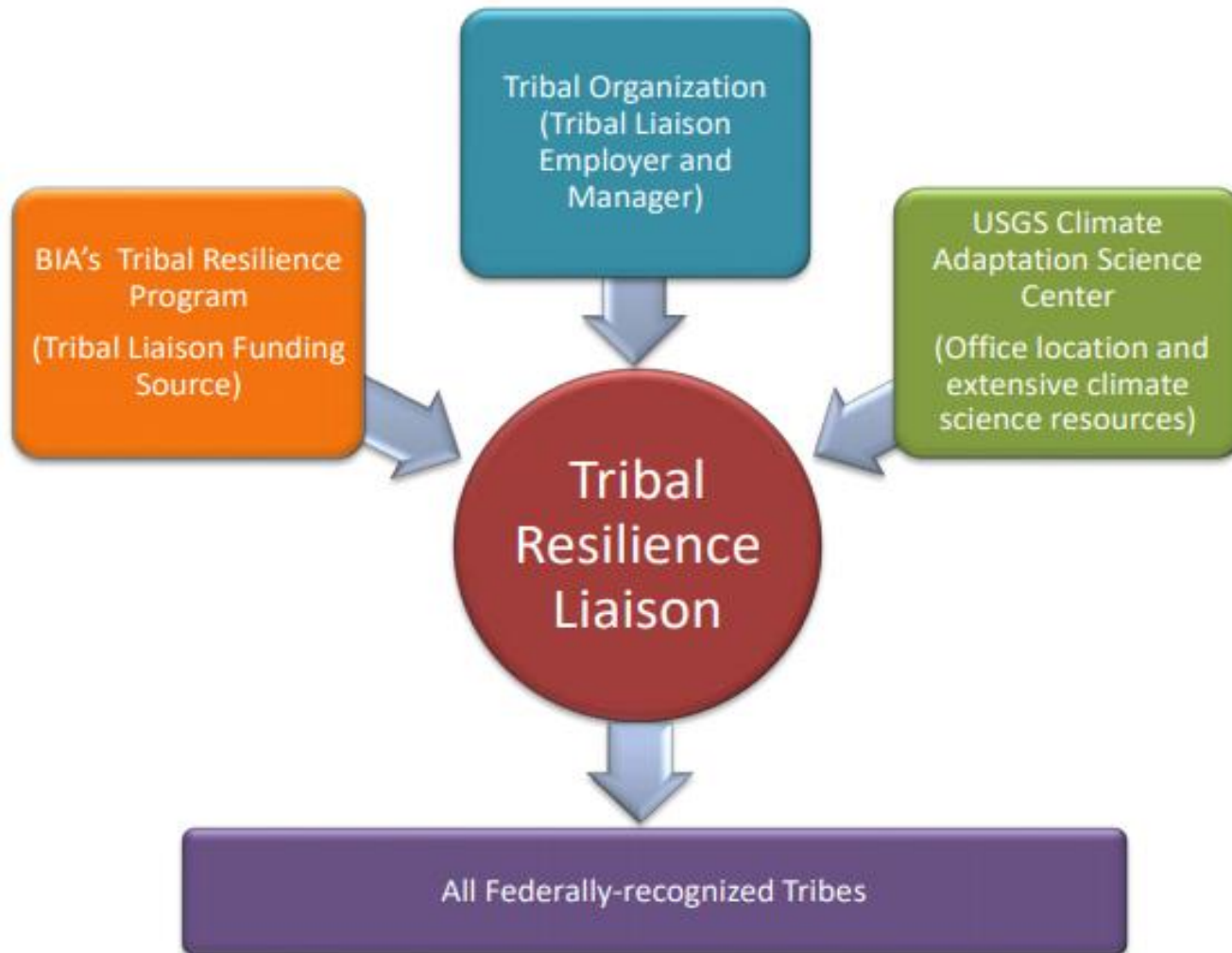


Tribal Resilience Liaison Network

- TRP funds seven of eight total Tribal Resilience Liaisons
- Funded through partnerships with Non-profit Tribal organizations
- Liaisons are housed at DOI's Climate Adaptation Science Centers (CASCs) to link tribal needs to regional data hubs
- Cover all of Indian Country for technical expertise



Tribal Resilience Liaison Network



The network is part of a collaborative partnership to support liaisons' work with Tribal Nations

Tribal Resilience Liaison Network Partners

Tribal Organization partnerships:

Aleutian Pribilof Islands Association (APIA)

Affiliated Tribes of Northwest Indians (ATNI)

American Indian Higher Education Consortium (AIHEC)

College of Menominee Sustainable Development Institute (CMN SDI)

Great Plains Tribal Water Alliance (GPTWA)

United South and Eastern Tribes, Inc. (USET)

Tribal Resilience Liaison Role

Key efforts seek to join Tribal Nations and Alaska Native Villages to the science needed to better protect and enhance tribal resources in the face of a changing climate.

Serve as extension agents that:

- help tribes access and best utilize information, data, and expertise available at the CASCs
- facilitate research and collaboration
- coordinate forums and information exchange
- may review TRP funding opportunity proposals for submission

Tribal Resilience Liaisons



Malinda is an enrolled tribal member of Anvik, a Deg Hit'an Athabascan village, located in Alaska's interior region, at the confluence of the Yukon and Anvik Rivers. Malinda holds a bachelor's degree in American Studies from Wellesley College and a master's degree in Cross-Cultural Studies from the UA-Fairbanks. Her experience is in community planning, non-profit management, Native language revitalization, post-secondary distance education and Alaska Native education. More recently, Malinda's focus is on tribal resilience education that aims to engage the AK Native community in her work with the Association of Interior Native Educators. Malinda loves cutting and preserving salmon and kayaking, especially with her daughter.

Alaska Success: Successful collaboration and increasingly stronger networking with tribal entities and allied organizations supporting Alaska tribes and communities in proactive adaptation, training and access to resources and significant engagement opportunities.

Alaska Challenge: Working across the multiple, vast regions of Alaska, and especially helping tribes access and respond to significant opportunities during the height of various subsistence seasons.



Northwest Success: Very successful in enabling tribes to identify and acquire funding to address their climate-related tribal priorities and developing strong partnerships with tribes we have connected with.

Northwest Challenge: Identifying and connecting with staff interested in climate issues from each tribe in the NW.



There is an increasing need for the shared information between climate water, energy and land use. In 2013, a regulatory issue in the Pacific Northwest led to a significant increase in water use. This led to a significant increase in water use. This led to a significant increase in water use. This led to a significant increase in water use.



Alaska's water is a vital resource. It is the lifeblood of the state. It is the lifeblood of the state. It is the lifeblood of the state. It is the lifeblood of the state. It is the lifeblood of the state.

Southwest Success: Outreach has been successful to foster climate awareness and facilitate discussions on response and adaptation planning and research development that incorporates traditional knowledge.

Southwest Challenge: Increasing drought and wildfire and resulting strain on water resources and species threaten the traditional foods, natural resource-based livelihoods, cultural resources, and spiritual of indigenous peoples in the SW.

- Regional USGS CASC and University Host Sites:**
- NE USGS: <https://www.usgs.gov/science/casc/central>
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Tribal nations and native communities face significant challenges in responding and building resiliency to the extreme weather events and environmental hazards resulting from climate change. The Bureau of Indian Affairs' Tribal Resilience Program (TRP), the US Geological Survey (USGS), and Tribal Groups are collaborating to support a nationwide network of Tribal Resilience Liaisons that operate in conjunction with USGS' regional [Climate Adaptation Science Centers \(CASCs\)](#). Tribal Liaisons are generally employed by tribal organizations, funded by TRP, and work at CASC's to support all federally-recognized tribes. The liaison program will increase the resources available to:

- Help tribes access information, data, and expertise at the CASC's and elsewhere;
 - Facilitate research integrating traditional knowledge; and
 - Support tribal forums and information exchange.
- These efforts are designed to better understand, communicate, and meet the needs of tribes through partnerships to promote more resilient tribal communities.

North Central Success: Tribes are developing sub regional networks and beginning the process of proactively adapting to climate change.

North Central Challenge: Lack of tribal sovereignty over water and other natural resources.



South Central (NM) Success: Productive outreach and dialogues with tribes through many training and tribal site visits throughout the state.

South Central (NM) Challenge: Increasing drought and wildfire and resulting strain on water resources and species threaten the traditional foods, natural resource-based livelihoods, cultural resources, and spiritual of indigenous peoples in NM.



Climate change is a global issue that affects everyone. It is a global issue that affects everyone. It is a global issue that affects everyone. It is a global issue that affects everyone. It is a global issue that affects everyone.



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- Tribal Resilience Liaisons generally provide the following assistance to tribes:**
- Support tribal leaders, emergency response plans, and emergency managers to build capacity for addressing climate impacts on land, water, natural resources, traditional practices, and tribal rights.
 - Facilitate the development of climate adaptation plans, water utility conservation, policy, and strategies to address tribal policies and traditional skills for becoming resilient to resources in accordance with traditional knowledge.
 - Conduct outreach, education, and training that reaches communities.
 - Coordinate with a national network, greater local skills, peer information, and develop tribal plans, policies, and strategies.
 - Identify resilience priorities, vulnerabilities, data needs and research gaps for tribal and local and national resources.
 - Provide support for specific implementation of resiliency projects.
 - Promote youth involvement and engagement to assure future generations are engaged and inspired in its resiliency efforts.

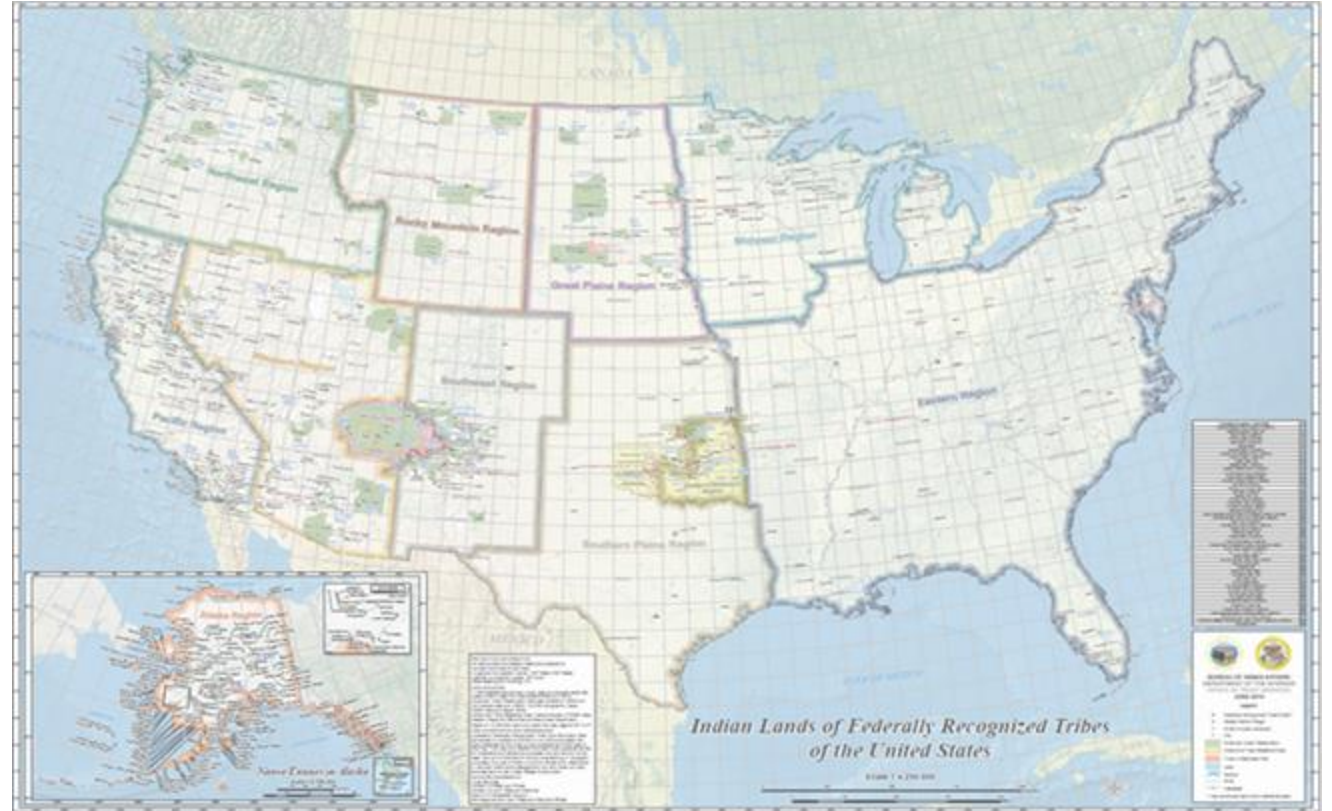
Link to poster:
https://www.bia.gov/sites/bia.gov/files/assets/bia/ots/tcrp/TribalResilienceLiaisonPoster_Dec2019.pdf



BIA Regional TRP Support

All 12 BIA Regions have a TRP Point of Contact:

- Serve as Bureau Project Officer on grants
- Plan with modest regional TRP funds for resources, gatherings, or climate-related projects



TRP Funding Opportunity

- Since 2011, funded 703 awards with over \$60.7 million
- Annual awards budget ~\$8-15 million (Congress appropriated)
- Notice of Funding Opportunity (NOFO) posted on Grants.gov
- 2021 Solicitation TBD (~December or January)
- FAQ webinar will follow release of NOFO: recorded and posted to TRP website – Presentations site page (<https://www.bia.gov/bia/ots/tribal-resilience-program/presentations>)

TRP Funding Categories

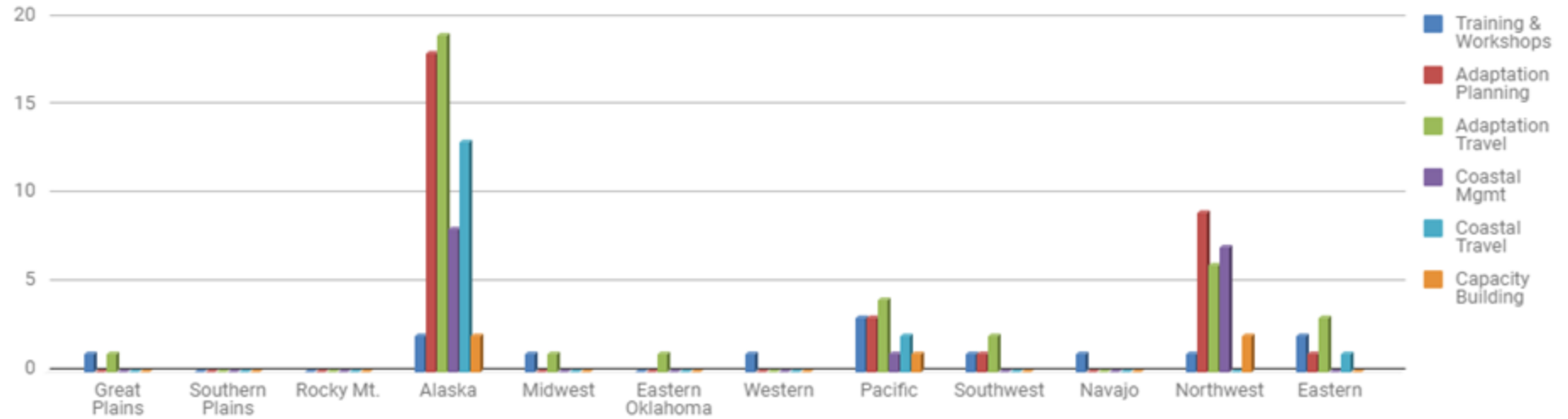
- Category 1 - Trainings and Workshops: \$150k max
- Category 2 – Adaptation Planning: \$150k max
- Category 3 – Travel Support for Adaptation Planning: \$15K max
- Category 4 – Ocean & Coastal Management Planning: \$150k max
(mandatory crosscut of \$2M per Congress)
- Category 5 – Travel Support for Ocean & Coastal Management Planning: \$15k max
- Category 6 – Capacity Building for scoping activities: \$65k max
- Category 7 – Relocation, Managed Retreat, and Protect-in-Place Planning: \$150k max

TRP Awards Across Indian Country

2019

Number of Awards: 119

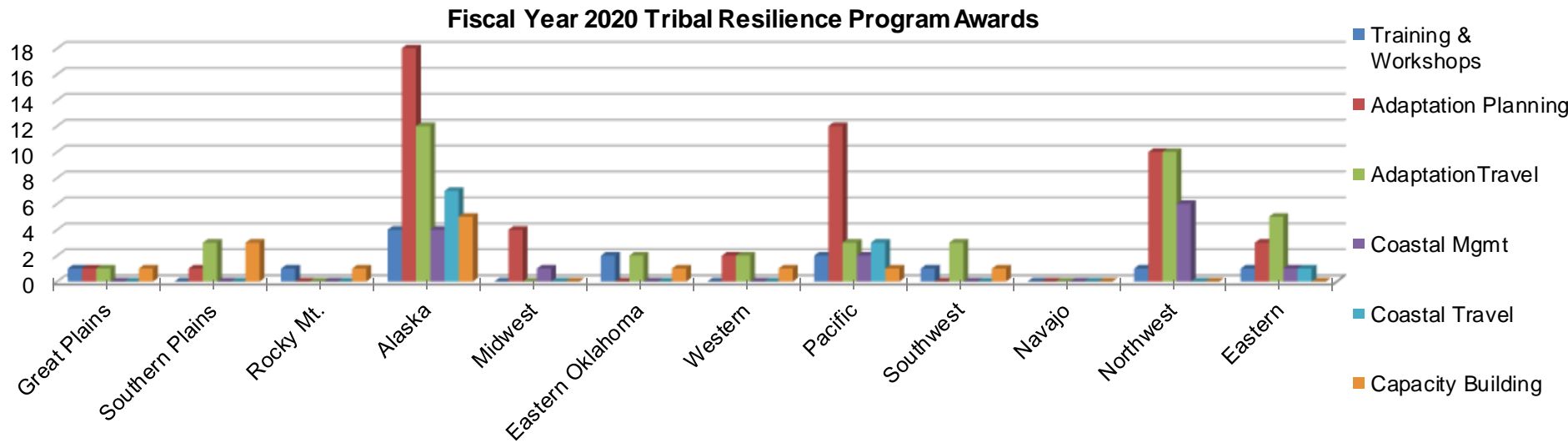
Amount Awarded: \$8.7M



2020

Number of Awards: 159

Amount Awarded: \$14.4M



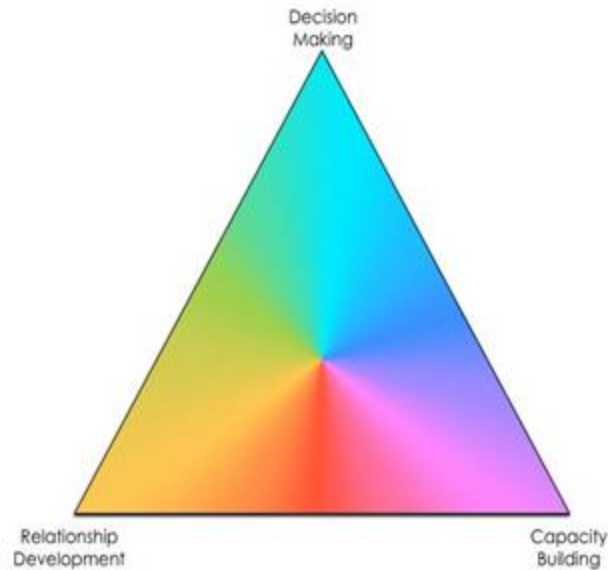
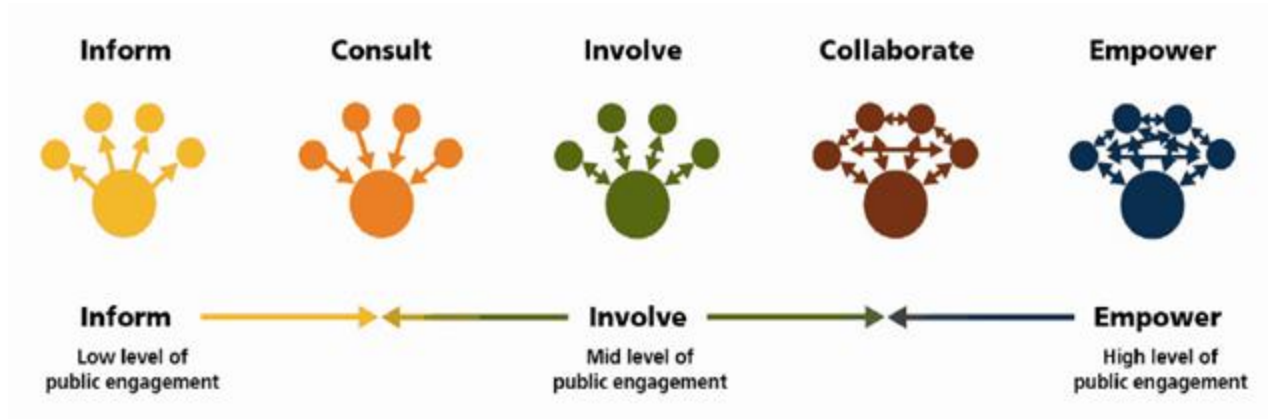
Reviews- what makes a proposal successful?

- **Scope should not be too broad or too narrow-** the timeline should be able to be completed in one to two years. The amount of planning efforts and deliverables should be realistic for that timeframe.



- **Explain Traditional Knowledge (TK) methodology-** doesn't have to describe sensitive information, just the TK methods and what the outcomes are of the knowledge gained from using those methods.
- Some planning involves outside expertise- such as the hiring of a contractor. If this is the case, **expand on the relationship between the tribe and the contractor during the entire timeline.** How will the expertise and end product ultimately contribute to tribal capacity building?

Reviews- what makes a proposal successful? (cont.)



- Elaborate on reporting methods to the **community- how will they be involved** in the decision-making process?
- Clear linkages between **local environmental impacts** and **how they are related to climate change** are sometimes only assumed- but an apparent connection should be made between the two, to ensure that the proposal is relevant to the funding opportunity.

Reviews- what makes a proposal successful? (cont.)

- **Discuss elder and youth involvement-** Seek to engage youth in planning projects, for sustainable decision-making and intergenerational transfer of Traditional Knowledges.
- Make sure to include **specific, measureable, achievable, realistic, and timely (SMART) milestones** in a detailed timeline account.

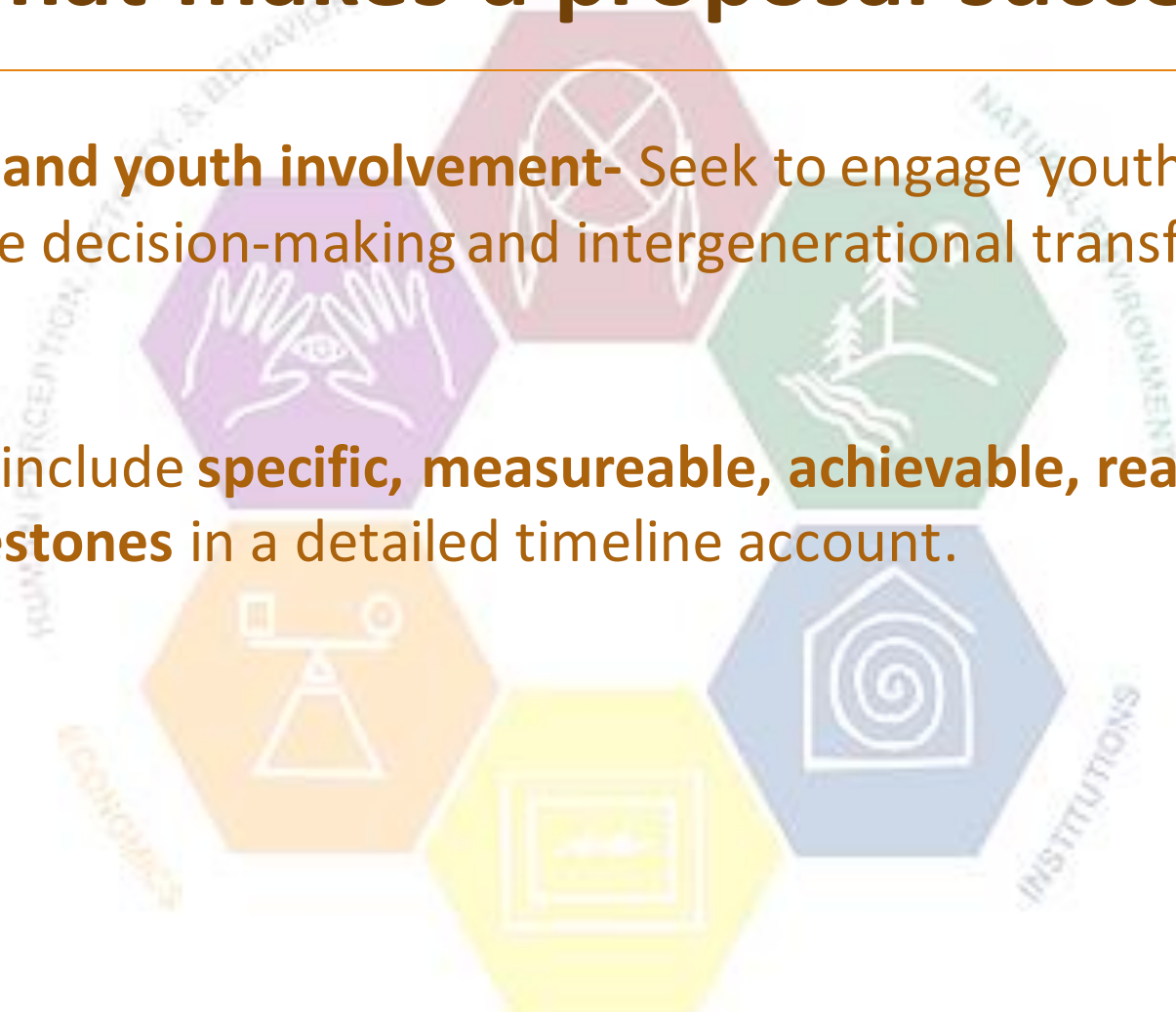


Diagram: An Indigenous Based Theoretical Model of Sustainability, courtesy of the College of Menominee Nation Sustainable Development Institute. The model illustrates the six dimensions of sustainability: land and sovereignty; natural environment (including humans); institutions; technology; economy; and human perception, activity, and behavior. This model is used globally to improve understanding of the complex interactions among sustainability topics.

Connecting Funding to Needs

Climate change is not an isolated issue- so don't only look for "climate change grants"

**How does or could climate affect the things you value?
What tribal programs are or could be affected?**

Other current funding sources might be options, since changes in climate can directly affect many tribal resources. For example:

Emergency management
Drought resilience
Habitat Connectivity
Invasive species
Water quality

Forestry and Wildfire
Air Quality and Pollution
Fish and Wildlife
Species Migration
Subsistence Practices



NCA4, 2018



What to think about when looking for funding or planning implementation

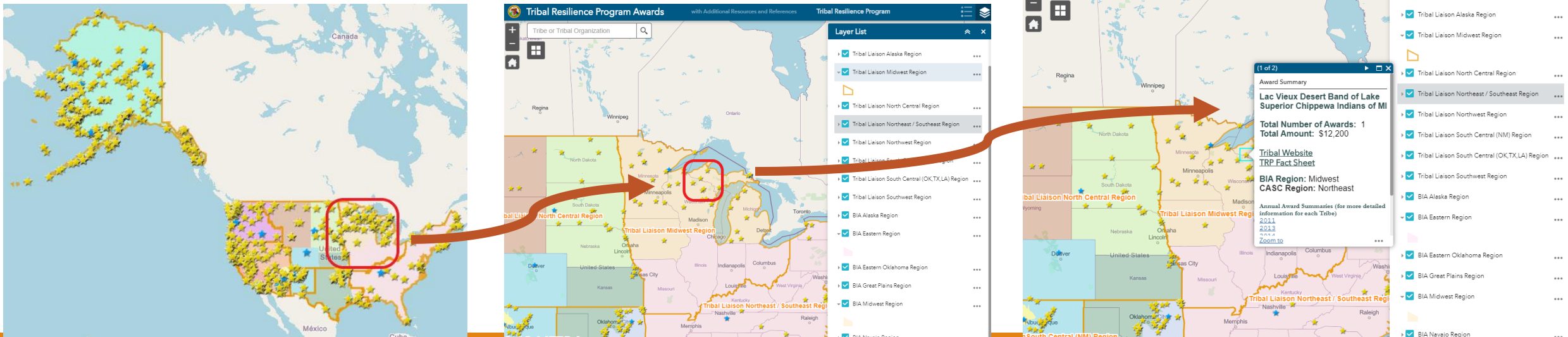
- Get leadership on board
- Work with partners that have needed expertise
- When working with consultants or contractors, make sure you're involved (so that the end product meets needs)
- Use of key literature and partnerships (others with overlapping jurisdiction) can strengthen applications (e.g., National Climate Assessments, US Climate Resilience Toolkit, etc.)
- Develop a living plan that you can continuously use to guide implementation (vs. individual "projects")

Image: A Southeast tribal community-led relocation/expansion planning effort - provided as an example in the NCA 4 Ch.15 on Indigenous Peoples

TRP Geospatial Applications

Tribal Resilience Award and Reference Interactive Web Map

- Counts of past awards and funding totals for each tribe
- Links to Award Summaries to see tribal award for each year
- Can turn layers on or off to see different BIA Regions, Tribal Liaison Regions, or TRP awards



TRP Geospatial Applications

National Climate Assessment (NCA) Interactive Web Map

- Displays locations of Indigenous Peoples' Resilience Actions

- Search by NCA Regions

- Search by Activity Type:

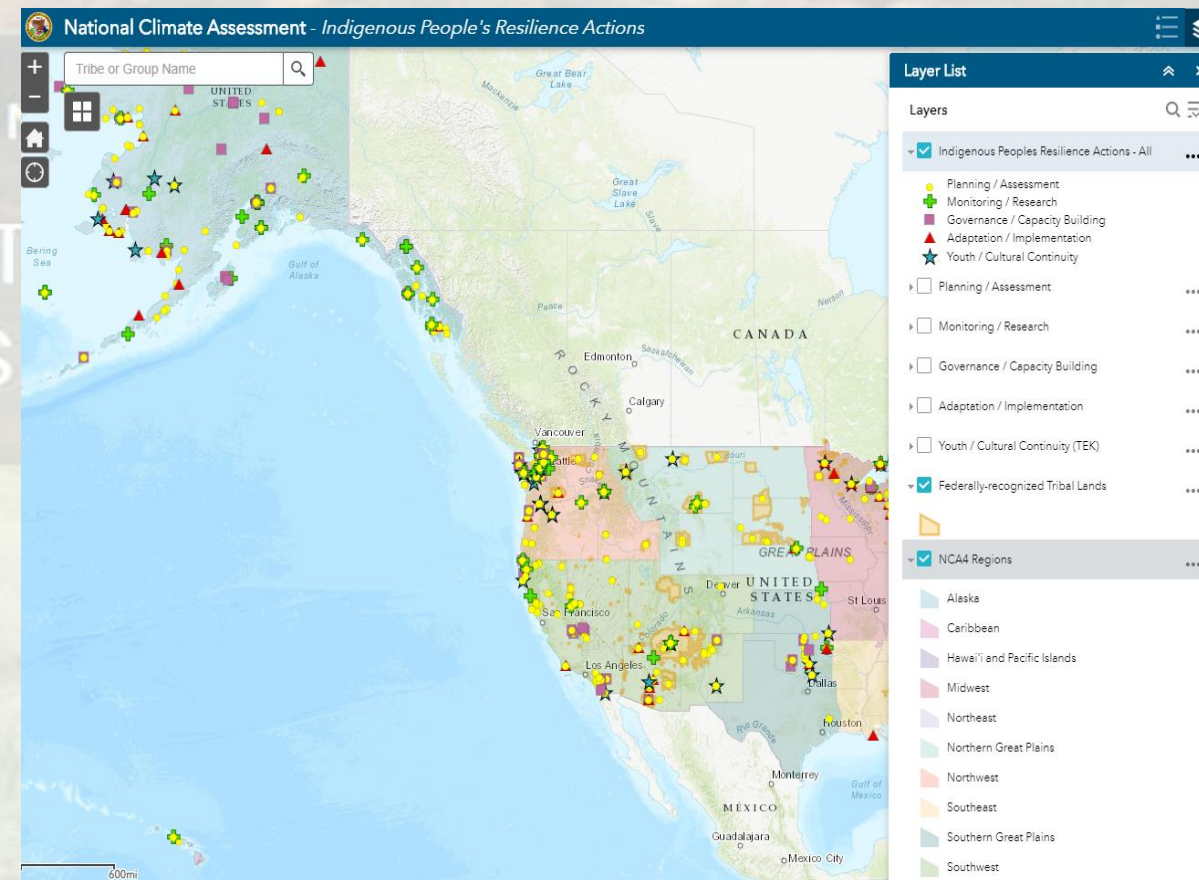
Planning / Assessment

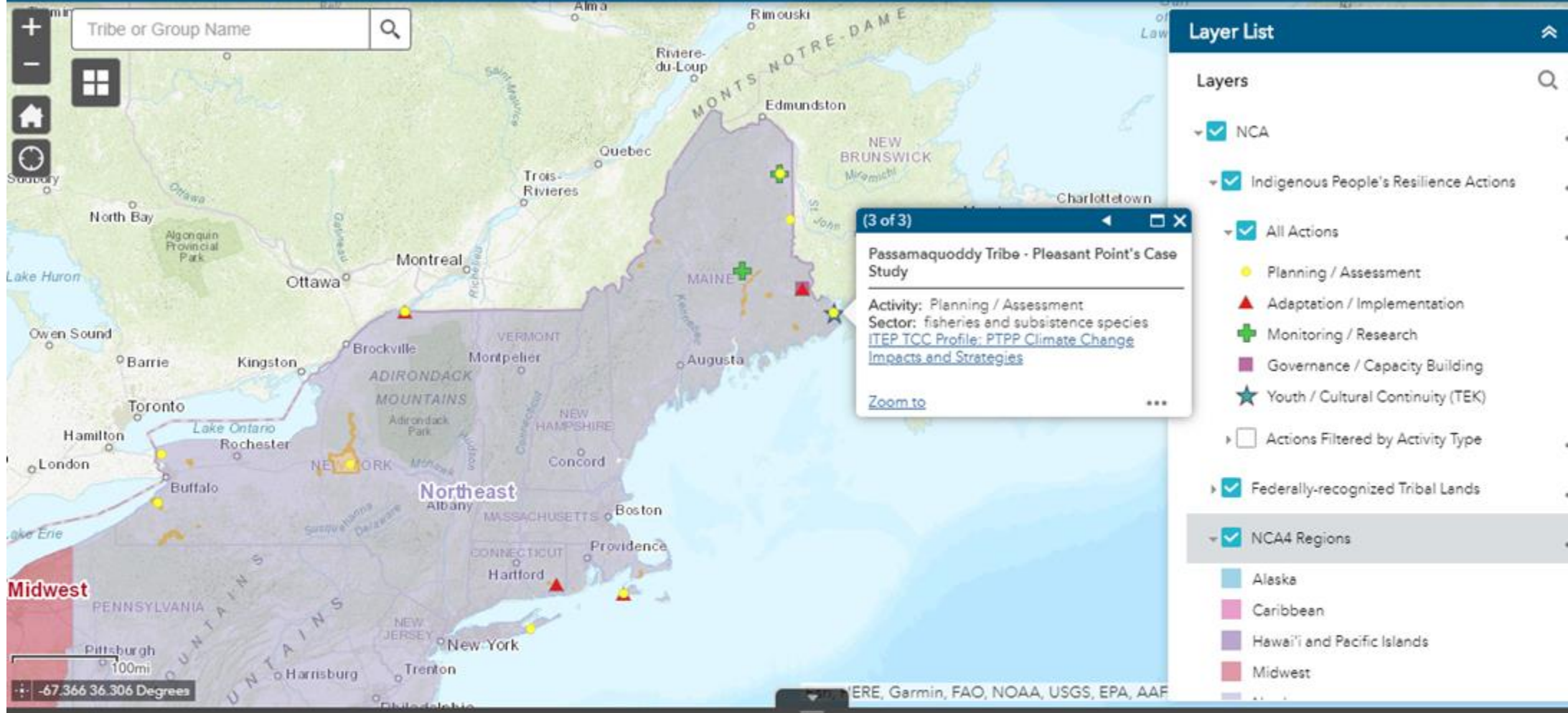
Monitoring / Research

Governance / Capacity Building

Adaptation / Implementation

Youth / Cultural Continuity





All Actions | Federally-recognized Tribal Lands | NCA4 Regions

Options | Filter by map extent | Zoom to | Clear selection | Refresh

Tribe or Group Name	Action Title	Action URL Address	Action Type	Activity	Sector
Passamaquoddy Tribe - Pleasant Point	FY15 Training: Steps in Adapting Maine Wabanaki Culture and Economy to the Changing Climate - Connecting 5 Wabanaki Tribes in a Climate Adaptation Learning Process	https://biomaps.doi.gov/tribalresilienc tcrp=PPleasantPt	Project	Planning / Assessment	cultural resources
Passamaquoddy Tribe - Pleasant Point	ITEP TCC Profile: PTPP Climate Change Impacts and Strategies	http://www7.nau.edu/itep/main/tcc/Tr	Case Study	Planning / Assessment	fisheries and subsistence specie

Passamaquoddy Tribe - Pleasant Point Fact Sheet

Names (Federal Register): *Passamaquoddy Tribe - Pleasant Point*

Federal Links: Select the Agency Acronym (blue link) for an Agency Fact Sheet and the orange link to its right for regional contacts or homepage.
For more information, hover over a link for agency or program details before making a selection.

Tribal: [Official Website \(or group site\)](#)

[BIA Region: Eastern Regional Fact Sheet](#)
Eastern Regional Office
[LCC: North Atlantic](#)
[USDA NRCS:Locator](#) [USDA USFS: Eastern](#)
[DOT/FWHA: Eastern](#)

[DOE: ME](#)

[CSC: Northeast](#)
[USDA CLIMATE HUB: Northeast](#)
[EPA: R1](#) [FEMA: R1](#)

[FWS: Northeast](#)
[NOAA: Region](#) [RISA: None](#)
[HUD: Eastern/Woodlands](#)

▶ Awards

- FY15 Training & Workshops
- FY15 Youth Engagement
- BIA TCRP FY11-16 Awards Map
- More Climate Funding Options

▶ Groups

- United South and Eastern Tribes
- NE Indigenous Resilience Network

▶ Documents

▶ Tools

- CRT Tool: Guidelines for Considering Traditional Knowledges in Climate Change Initiatives
- CRT Tool: Tribal Climate Change Guide
- CRT Tool: Tribal Climate Change Adaptation Planning Toolkit
- Other Tribal Nations Examples

▶ Examples

- ITEP TCC Profile: PTPP Climate Change Impacts and Strategies
- Tribal forest project helps slow climate change, generates revenue
- Other Tribal Nations Examples

▶ Data & Maps

- EPA Climate Impacts by State for: ME
- HUC8: 01050004 - Passamaquoddy Bay-Bay of Fundy Resource Links
- NOAA NCEI ME State Climate Summary
- Toolkit Climate Explorer 2.0: Historical & Projected Temperature & Precipitation
- Tribal Nations Geospatial Data
- Tribal Nations Map Gallery

Climate Tool: Tribal Resilience Resource Guide

Links to Fact Sheets for resources to:

- Planning
- Traditional Knowledges
- Youth
- Tribes and Tribal organizations lists
- Quick links to Agency resources
- Funding
- Training



TRAINING



PLANNING



FUNDING



TKS/TEK



AGENCIES



YOUTH



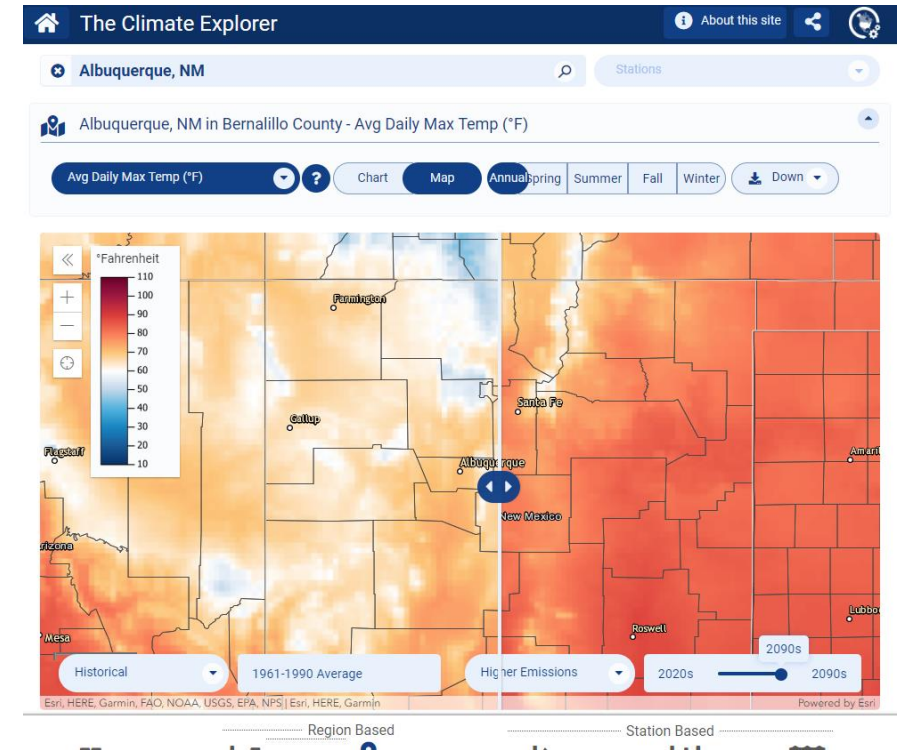
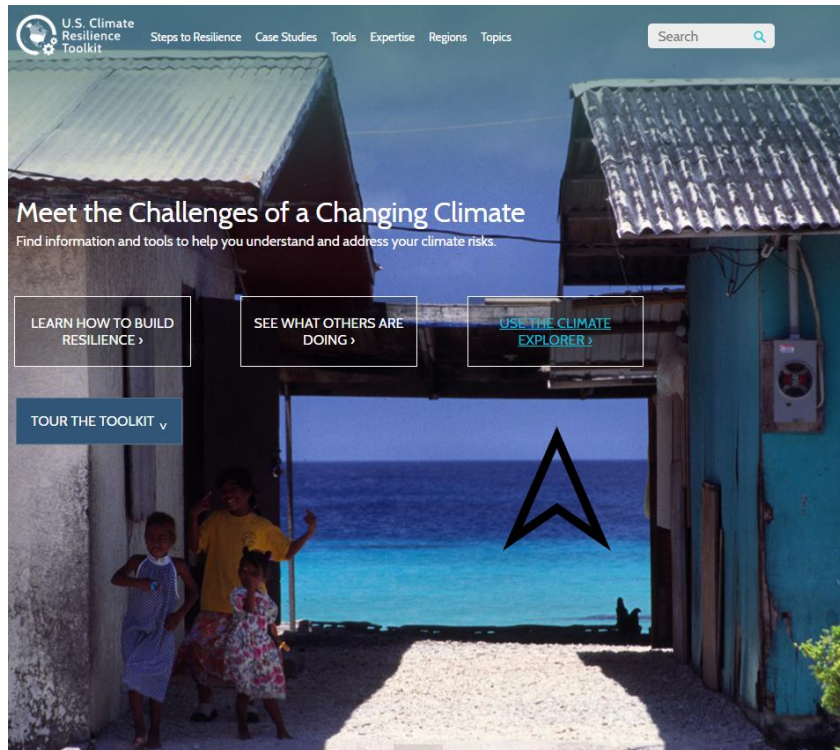
REGIONS



TRIBES

U.S. Climate Resilience Toolkit: The Climate Explorer

Climate Maps, Climate Charts, High-Tide Flooding, Historical Weather Data, Historical Thresholds



TRP Youth

The Tribal Resilience Program takes youth seriously.

K – 12 Youth Photo Contest:

For the visual arts contest students draw, paint, or take a photo of something that they value in their community that may be at risk to harmful environmental trends. The contest runs in both spring and fall school semesters.



Native Youth Community and Adaptation Leadership Congress: A week-long summer experience for high-school aged students, who work together to develop skills in conservation leadership. The event is hosted at the US Fish and Wildlife Service's National Conservation Training Center, West Virginia in partnership with BIA's Tribal Resilience Program.



Thank you!

Please contact the Tribal Resilience Program for questions:

Rachael Novak, TRP Coordinator and Physical Scientist
Email: Rachael.Novak@bia.gov; Phone: (505)563-5253

Alyssa Samoy, Natural Resources Specialist
Email: Alyssa.Samoy@bia.gov; Phone: (202)494-0907

Or check out our website for more information:
<https://www.bia.gov/bia/ots/tribal-resilience-program>