



Climate Resilience Through Storytelling

A FALCON
Pre-conference Workshop



EXTENSION DISASTER
EDUCATION NETWORK

Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024

Agenda

4:00 – 5:00p	Late Lunch / Early Dinner (“Linner”) Served
5:00 – 5:15p	Welcome, Introductions, Prayer
5:15 – 5:45p	Panel – EDEN shares disaster preparedness stories and how it can support 1994s with disaster preparedness and community support
5:45 – 6:00p	Break – Meet/greet the EDEN team
6:00 – 6:30p	Presentation – New climate data resources and stories
6:30 – 6:45p	Working Session – Accessing ag-climate data for your community
6:45 – 7:00p	Presentation – Climate stories from Native Climate Reporters and NTICC
7:00 – 7:30p	Working Session – Share your climate story online
7:30 – 8:00p	Sharing – Share your climate stories with the group
8:00p	Workshop Close

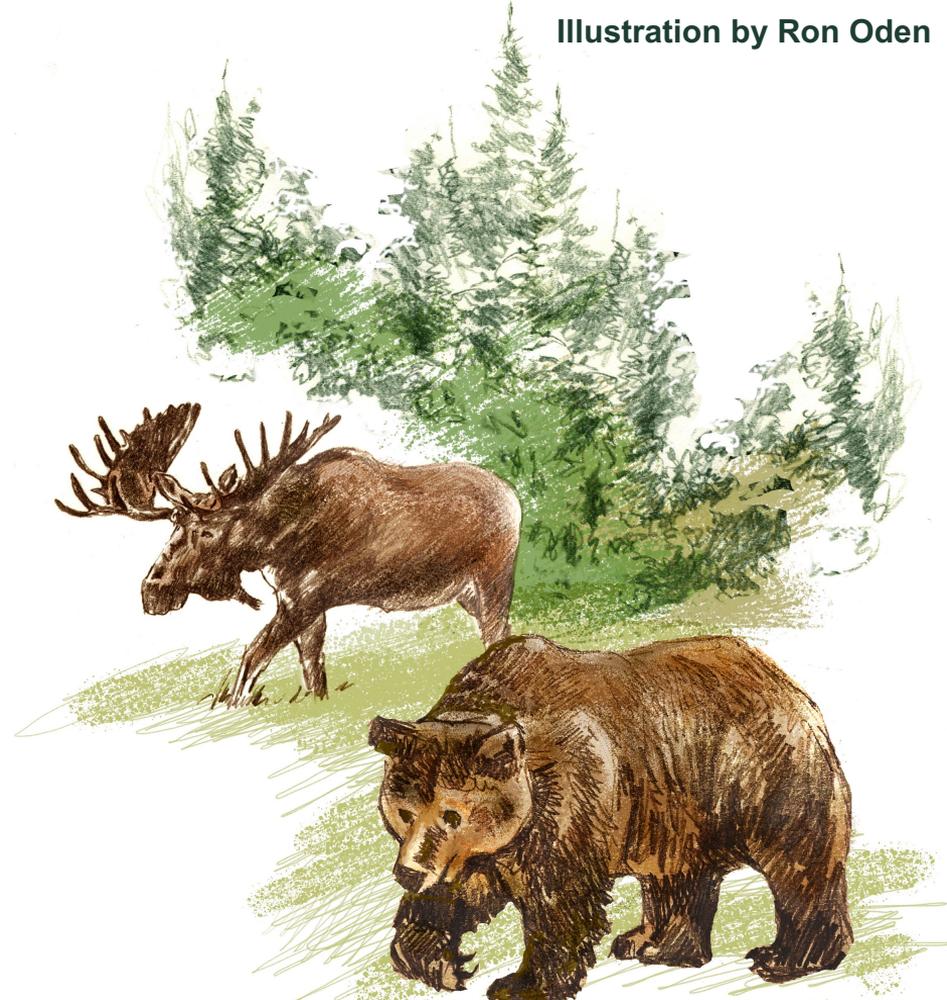


EXTENSION DISASTER
EDUCATION NETWORK

Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024

Welcome, Introductions & Prayer



Panel

Extension Disaster Education Network



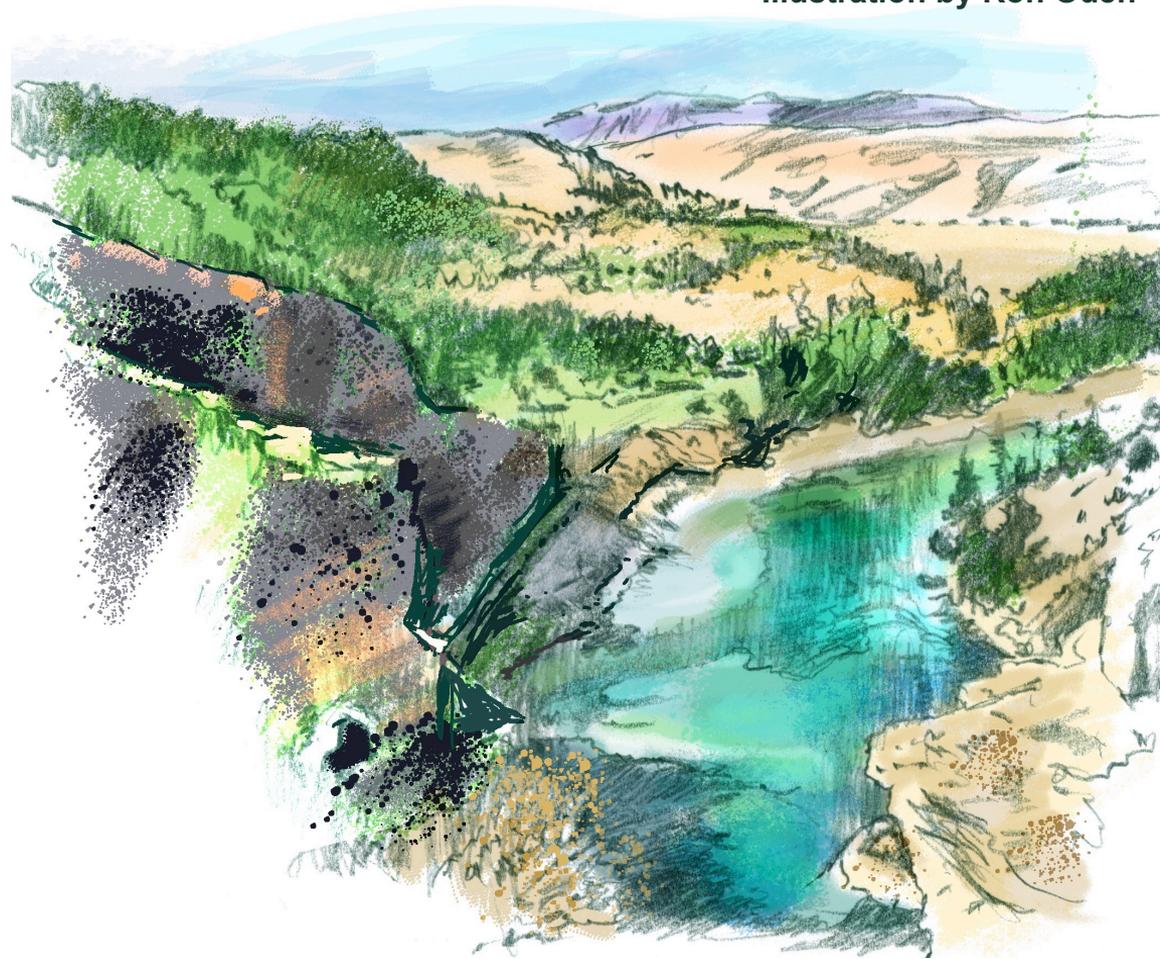
Break

Meet and Greet with EDEN



Presentation

Telling the stories of climate futures



FALCON 2022: All Climate is Local

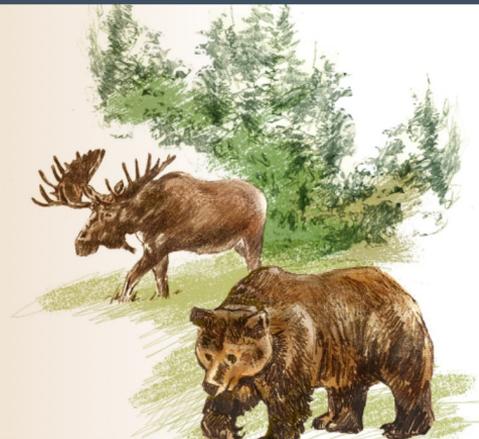


Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024



PROJECTIONS

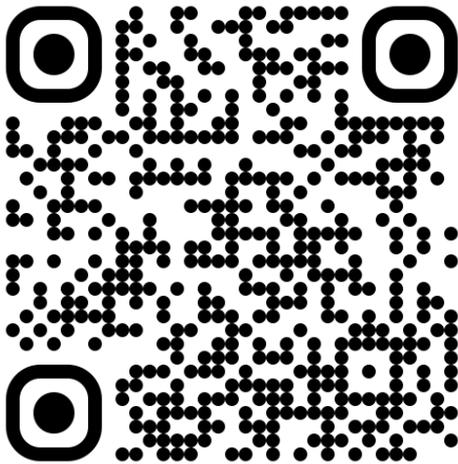


What can we expect from our climate future and how can we prepare for the changes to come? Native Climate's projections aim to prepare tribal communities for the changing conditions of coming years by providing data on probable weather conditions for the next century. We've compiled local projections for 633 tribally controlled areas in the United States including Alaska Native Villages and State Designated Tribal Areas, as well as climate divisions for the State of Hawai'i. The data are based on the NASA Earth Exchange (NEX) Global Daily Downscaled Projections (GDDP) dataset (NEX-GDDP-CMIP6). These new projections are an update to the [2022 Native Climate Tribal College and University \(TCU\) projections](#), and use the latest version of the NEX-GDDP-CMIP6 dataset.



CMIP6 Climate Projections for 633 tribally controlled lands, Alaska Native Villages and State Designated Tribal Areas, and climate divisions for the State of Hawai'i

native-climate.com/projections



SSP1-2.6

This is a best-case scenario. Global CO₂ emissions are cut severely, reaching net-zero after 2050. Temperatures stabilize around 1.8 °C higher by the end of the century.

SSP2-4.5

This is a “middle of the road” scenario. CO₂ emissions hover around current levels before starting to fall mid-century, but do not reach net-zero by 2100. Temperatures rise 2.7 °C by the end of the century.

SSP3-7.0

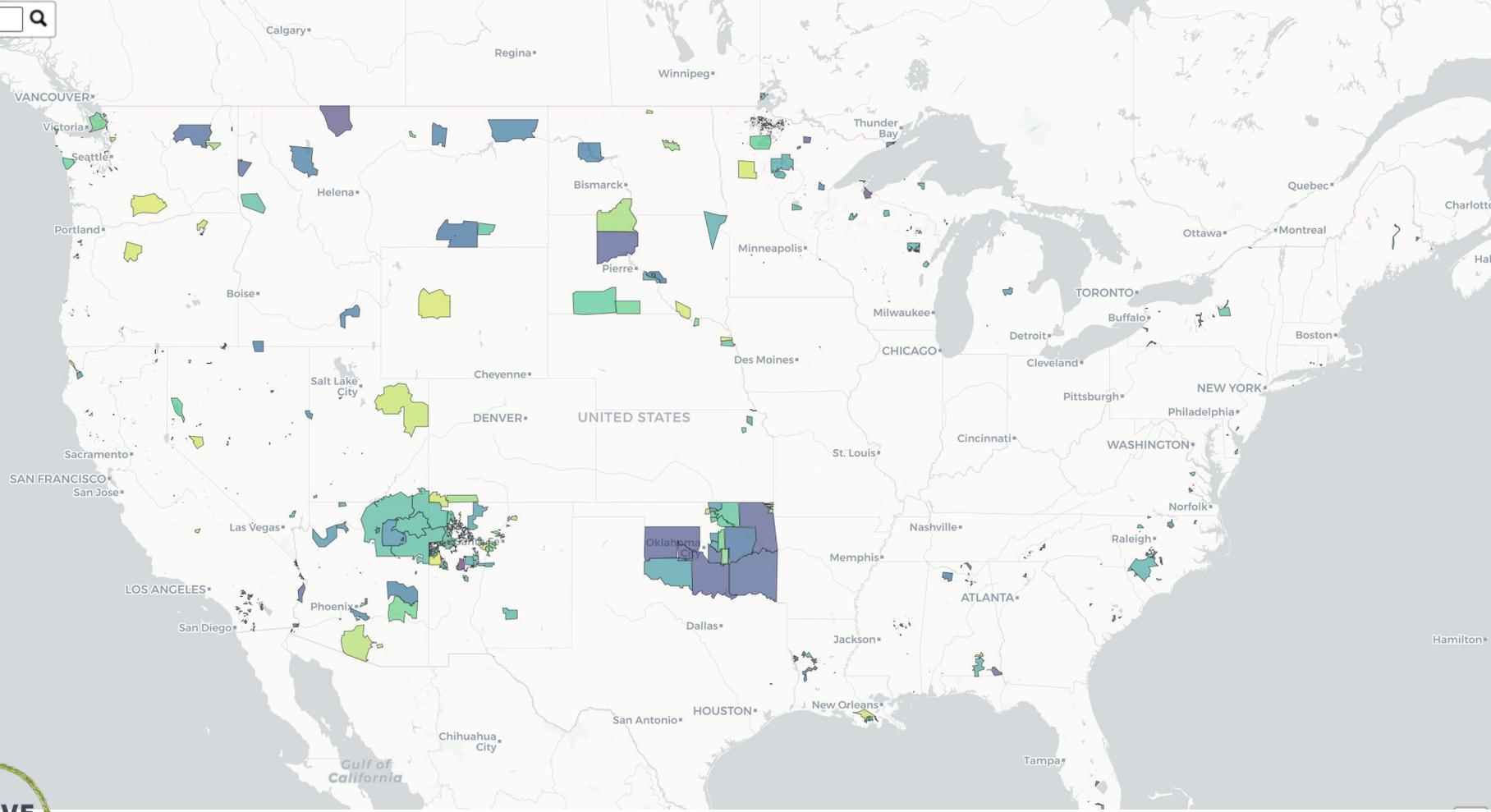
On this path, emissions and temperatures rise steadily and CO₂ emissions roughly double from current levels by 2100. Temperatures have risen by 3.6 °C.

SSP5-8.5

This can be considered a worst-case scenario. Current CO₂ emissions levels roughly double by 2050. By 2100, the average global temperature is 4.4 °C higher.



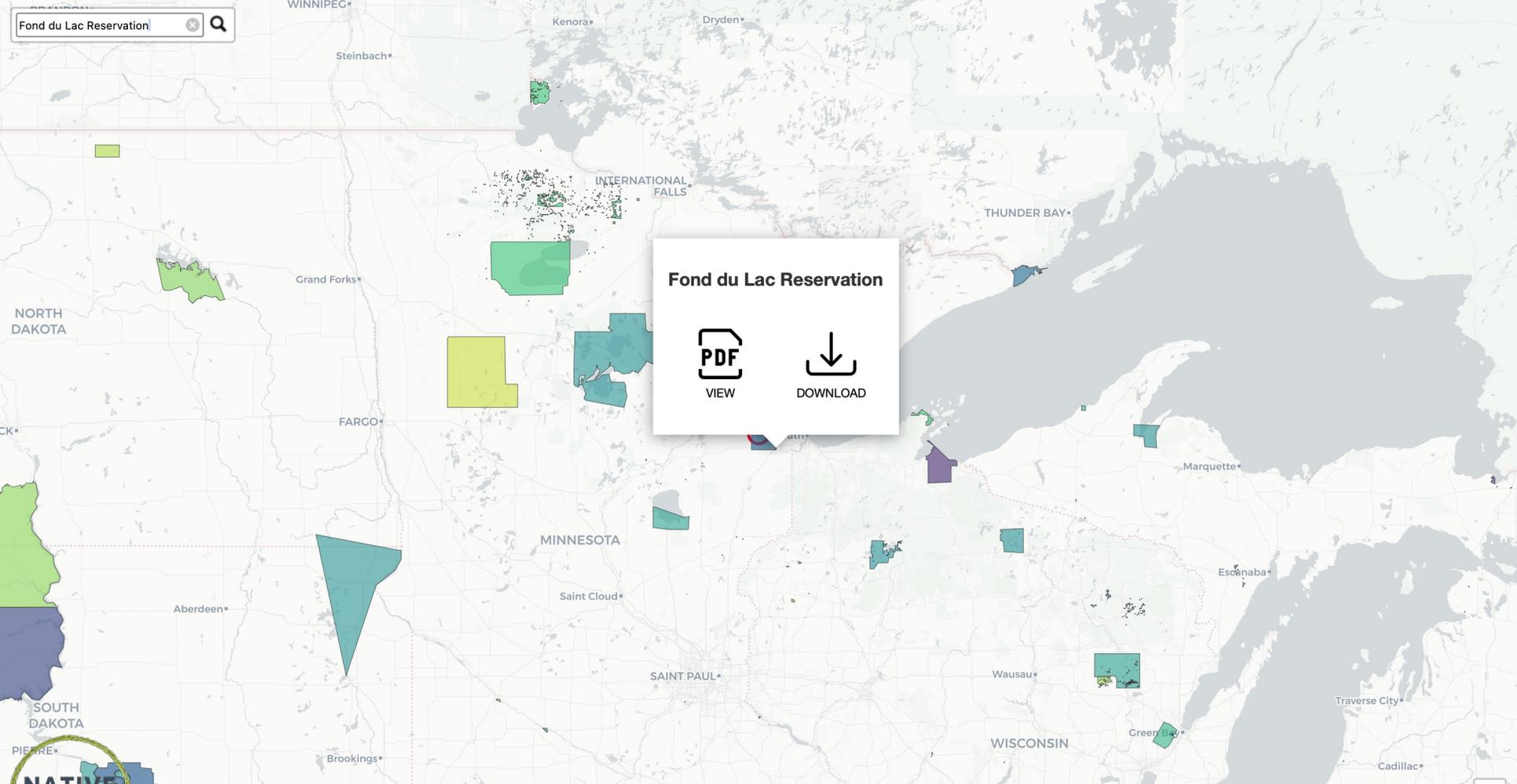
Search...



Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024

Fond du Lac Reservation



Fond du Lac Reservation



VIEW



DOWNLOAD

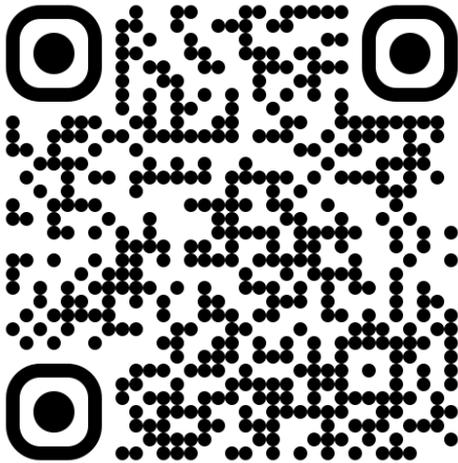


Climate Resilience Through Storytelling

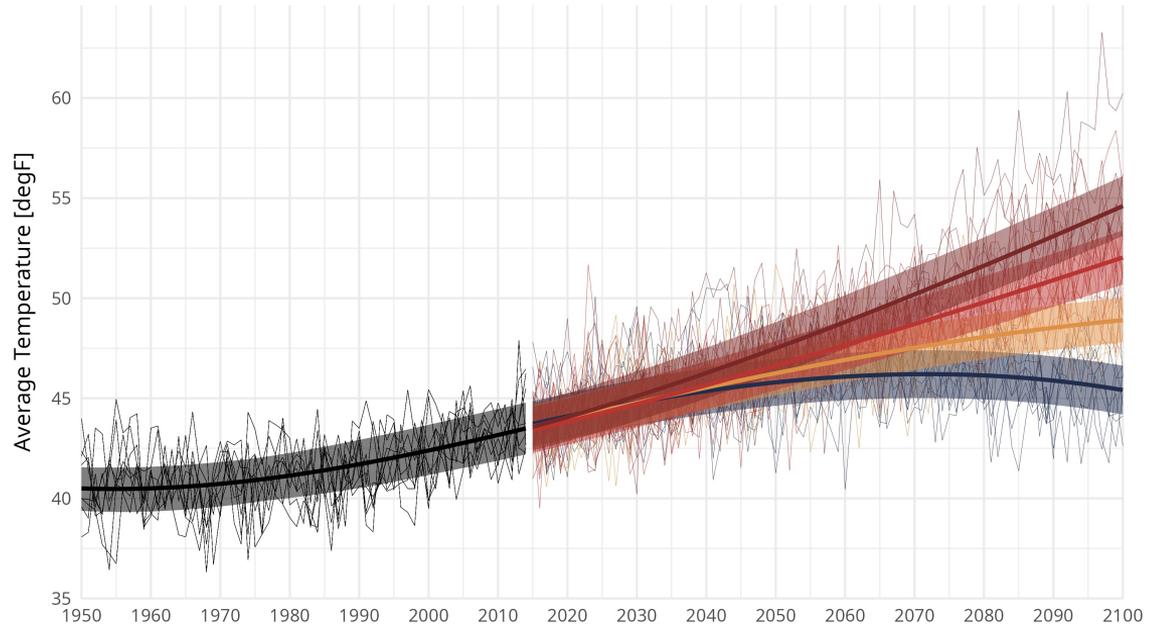
FALCON Pre-conference Workshop — October 11, 2024

CMIP6 Climate Projections for 633 tribally controlled lands, Alaska Native Villages and State Designated Tribal Areas, and climate divisions for the State of Hawai'i

native-climate.com/projections



Fond du Lac Reservation
Climate Projections of Average Temperature [degF]

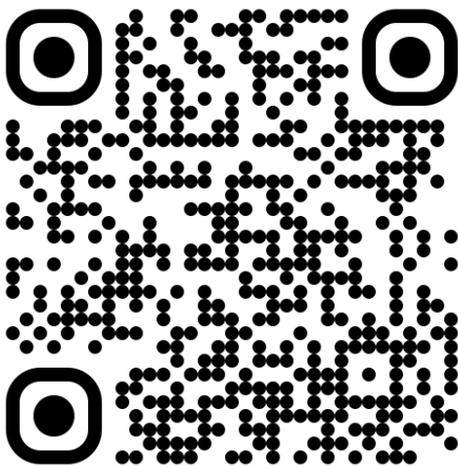


- Historical Emissions
- Moderating Emissions (SSP1-2.6)
- Middle of the Road (SSP2-4.5)
- High Emissions (SSP3-7.0)
- Accelerating Emissions (SSP5-8.5)



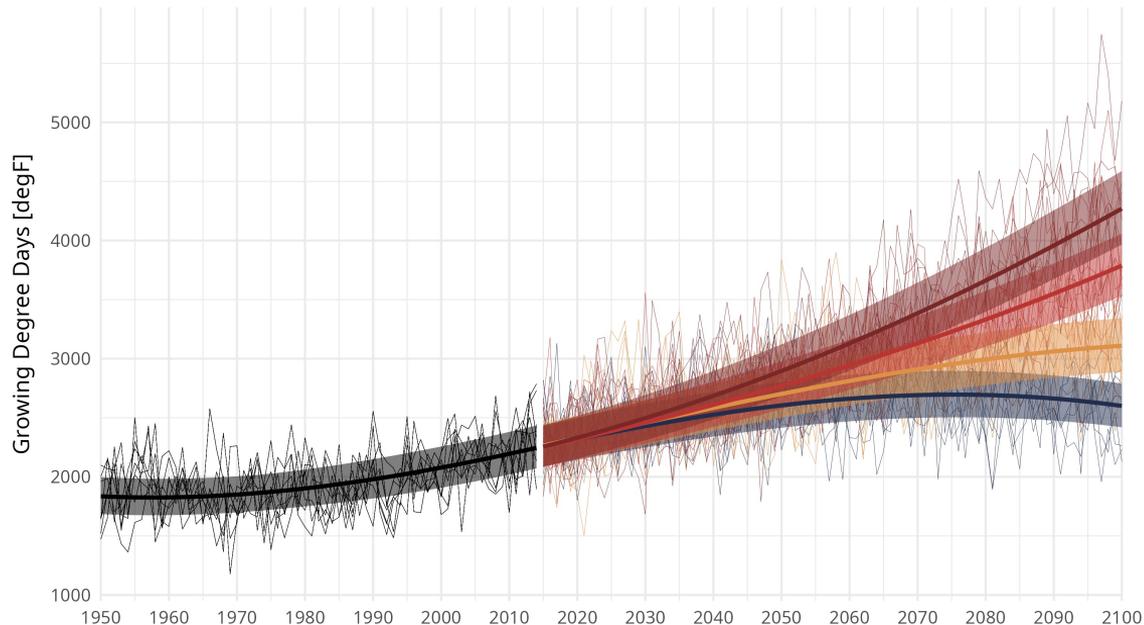
CMIP6 Climate Projections
for 633 tribally controlled
lands, Alaska Native Villages
and State Designated Tribal
Areas, and climate divisions
for the State of Hawai'i

native-climate.com/projections



Agricultural Variables

Fond du Lac Reservation
Climate Projections of Growing Degree Days [degF]

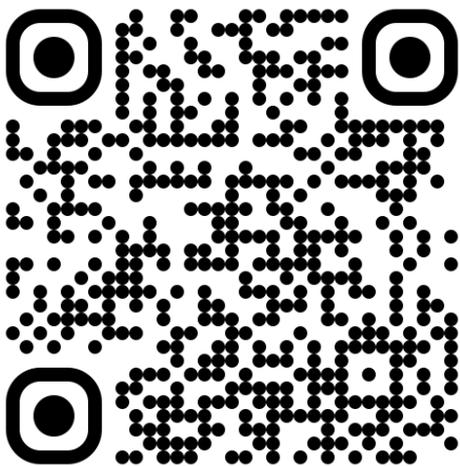


- Historical Emissions
- High Emissions (SSP3-7.0)
- Moderating Emissions (SSP1-2.6)
- Accelerating Emissions (SSP5-8.5)
- Middle of the Road (SSP2-4.5)



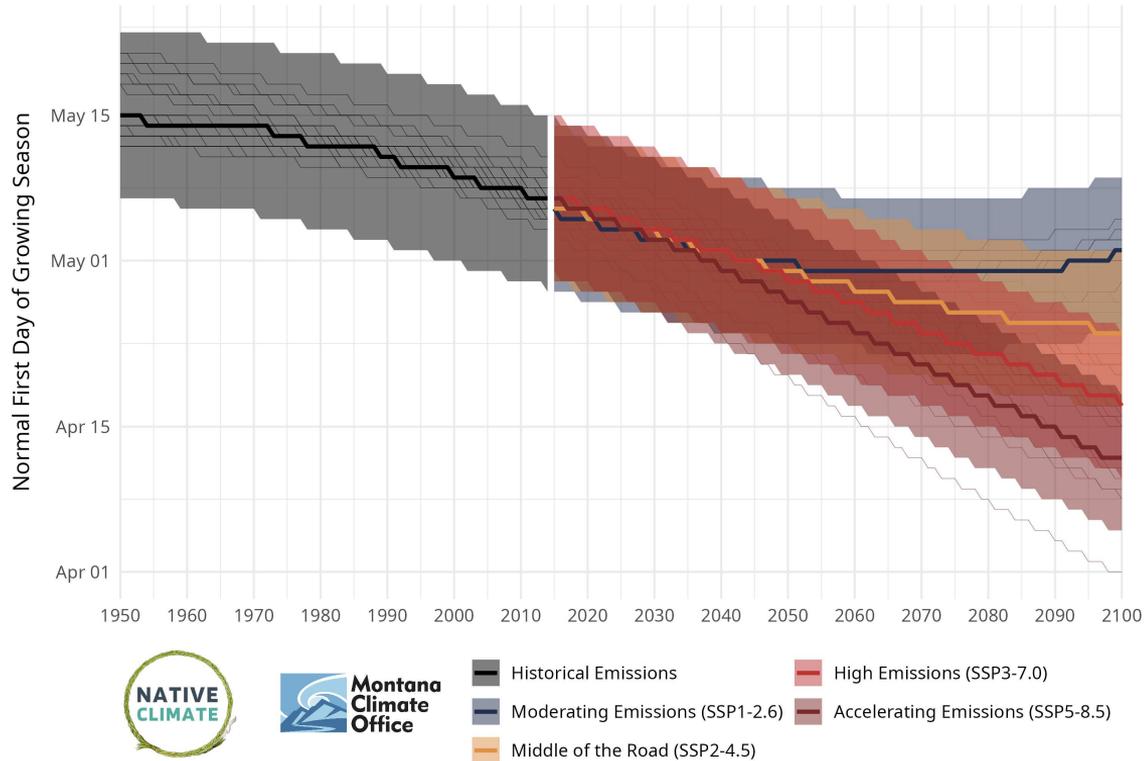
CMIP6 Climate Projections
for 633 tribally controlled
lands, Alaska Native Villages
and State Designated Tribal
Areas, and climate divisions
for the State of Hawai'i

native-climate.com/projections



Agricultural Variables

Fond du Lac Reservation
Climate Projections of Normal First Day of Growing Season



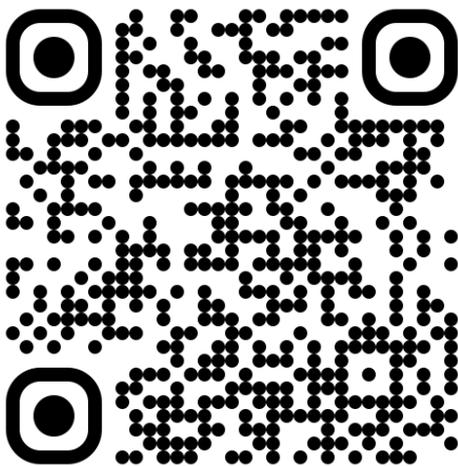
EXTENSION DISASTER
EDUCATION NETWORK

Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024

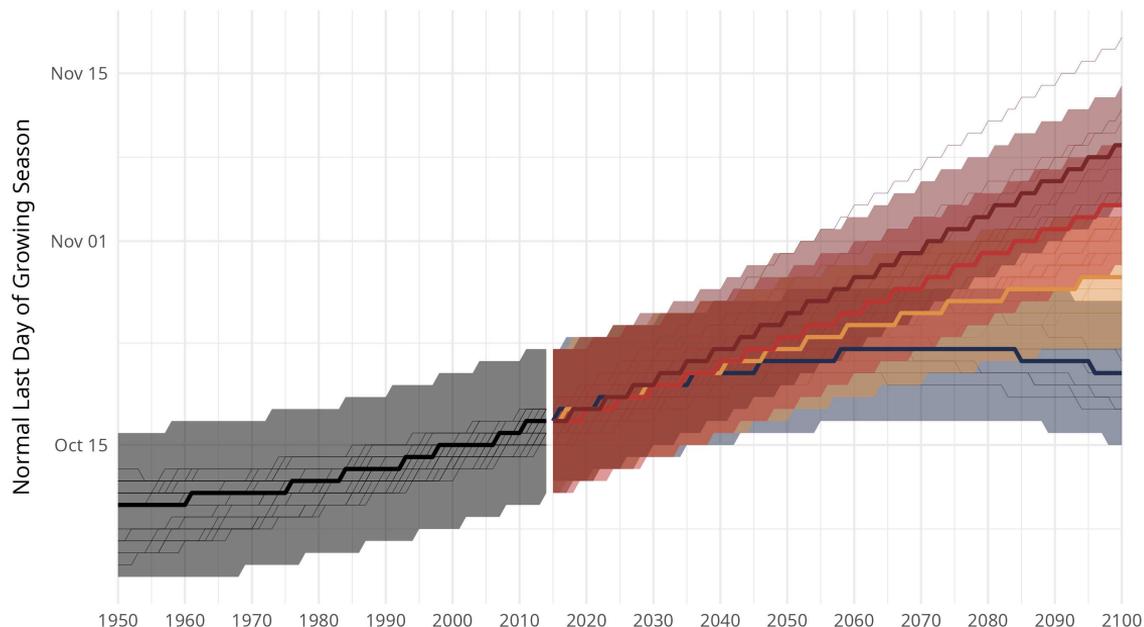
CMIP6 Climate Projections
for 633 tribally controlled
lands, Alaska Native Villages
and State Designated Tribal
Areas, and climate divisions
for the State of Hawai'i

native-climate.com/projections



Agricultural Variables

Fond du Lac Reservation
Climate Projections of Normal Last Day of Growing Season



- Historical Emissions
- Moderating Emissions (SSP1-2.6)
- Middle of the Road (SSP2-4.5)
- High Emissions (SSP3-7.0)
- Accelerating Emissions (SSP5-8.5)



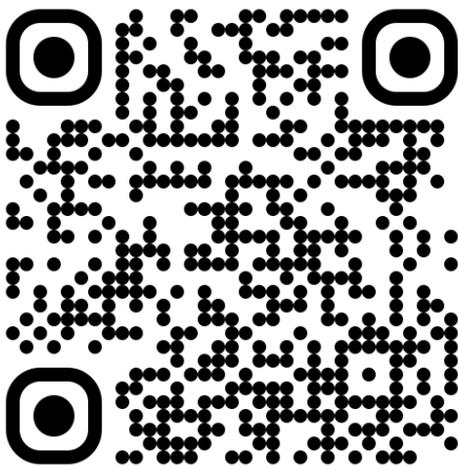
EXTENSION DISASTER
EDUCATION NETWORK

Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024

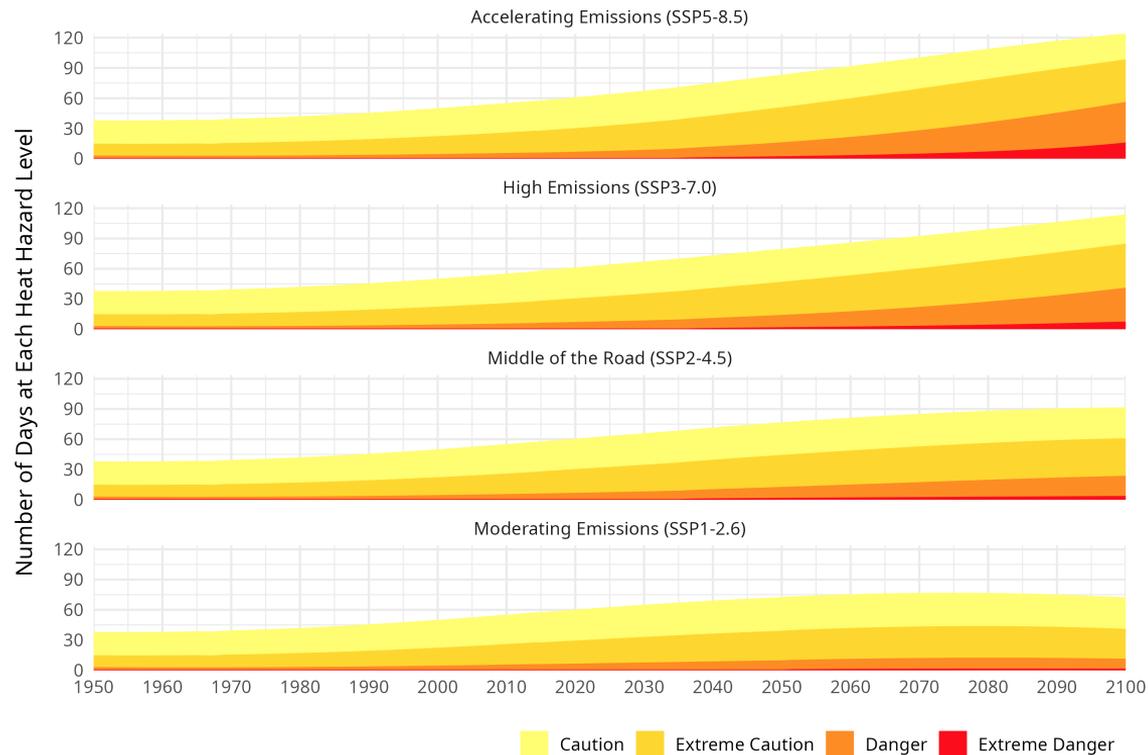
CMIP6 Climate Projections for 633 tribally controlled lands, Alaska Native Villages and State Designated Tribal Areas, and climate divisions for the State of Hawai'i

native-climate.com/projections



Health Variables

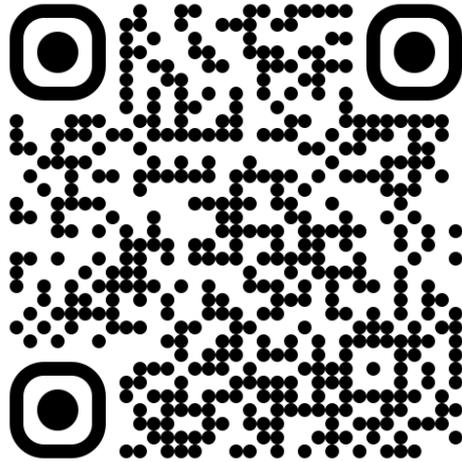
Fond du Lac Reservation
Climate Projections of Heat Index Hazard



Working Session

Accessing ag-climate
data for your community

native-climate.com/projections



EXTENSION DISASTER
EDUCATION NETWORK

Presentation

Climate stories from Native Climate





***We are the storytellers...
Don't be afraid to tell your story!***



Climate stories, poetry, and fiction help remember the past, understand the present, envision a better future

Native Climate Reporters

stories of impacts and resilience

Gina McGuire (U. Hawaii)

Robin Smuda (UNR)

Sarah Sandoval (SKC)

Shecota Nez (Dine'/ASU)

Cathy Wilson (Tohono O'odham Nation)

Andra Hawk-Valdes (Standing Rock Lakota, Sitting Bull College)

Climate Reporter Stories:
[native-climate.com/news/
climate-reporter-stories](https://native-climate.com/news/climate-reporter-stories)

All Climate is Local Stories:
native-climate.com/acl-projects



THE TOHONO O'ODHAM HIMDAG: CHALLENGING THE CLIMATE SCIENCE VIEW ON



LATEST WORK BY NATIVE CLIMATE REPORTERS



ABOUT THESE

On this page, you will find Climate Reporters — tales from across the U.S. who communities with scientist change impacts and adapt lands and communities in

Through multimedia journalism, writing, video, audio story Climate Reporters work to climate change on Native highlight resilience action understand the value of a rapidly warming world.

Climate Repo



HOW MUCH MORE? A POEM ON SEA LEVEL RISE IN HAWAI'I

by Gina McGuire | Feb 1, 2023 | Resilience Stories | 0

🗨️ | ★★★★★



RESTORING OUR RELATIONSHIP WITH HÍMU (WILLOW) REQUIRES HUMAN INTERACTION RATHER THAN PROTECTION

by Robin Smuda | Sep 12, 2022 | Resilience Stories | 0

🗨️ | ★★★★★

dá · bal (dah-ball; big sage), tá · gim (tdah-goom; pinion pine), and hímu (him-oo; willow) are why...



Climate Resilience Through Storytelling

FALCON Pre-conference Workshop — October 11, 2024

Indigenous ground truths... stories of climate and resilience

“How much more”

Poem by Gina McGuire

...How much more?

I wonder, will the sea push.

And how much more,
will we push back?



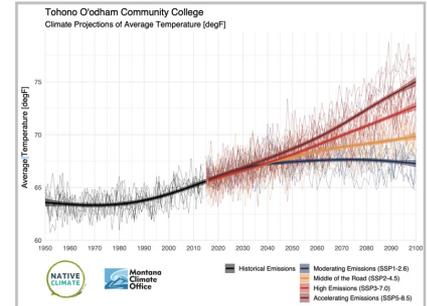
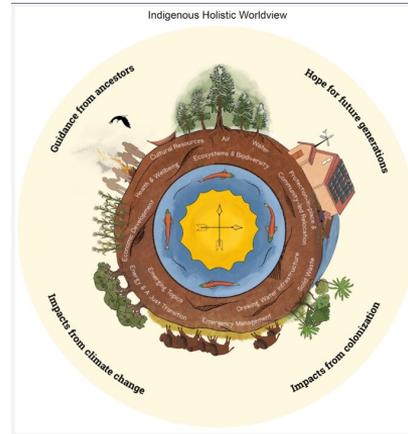
EXTENSION DISASTER
EDUCATION NETWORK

Climate Resilience Through Storytelling

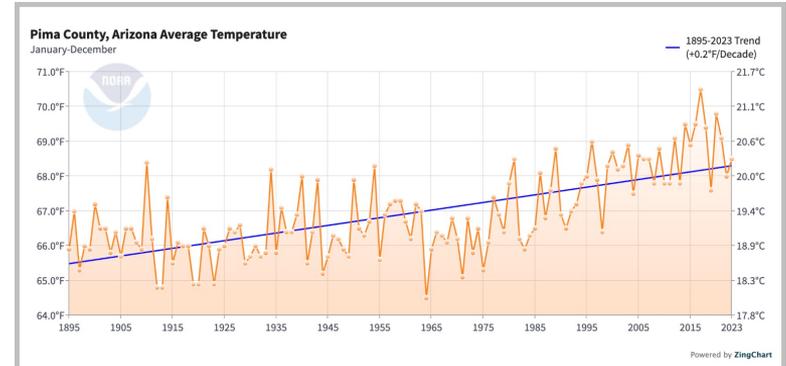
FALCON Pre-conference Workshop — October 11, 2024

THE TOHONO O'ODHAM HIMDAG: CHALLENGING THE CLIMATE SCIENCE VIEW ON INDIGENOUS CLIMATE IMPACTS

"The Tohono O'odham Himdag (way of living in the world) challenges the way climate science thinks by highlighting how important non-linear spiritual and other cultural considerations matter when developing Indigenous climate strategies."
Story by Cathy Wilson (30Aug24)



Climate records from 1950 to the present (in black) show that average temperatures on the Tohono O'odham Nation have increased by several degrees. Future projections (in colors) through the year 2100 show a range of possibilities, but additional warming is expected under all scenarios. Credit: Native Climate. Screenshot



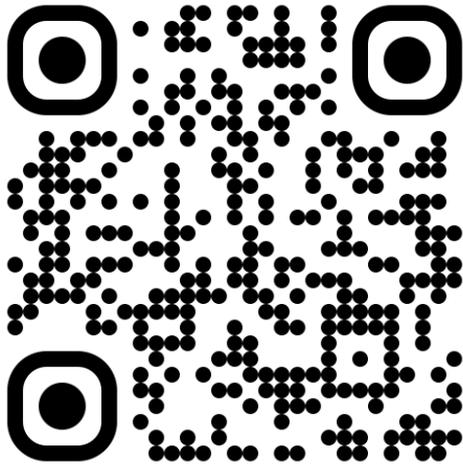
Climate data from 1895 to the present shows that average annual temperatures on the Tohono O'odham Nation in Pima County, AZ have increased by nearly three degrees (F). Credit: NOAA/NCEI.



Working Session

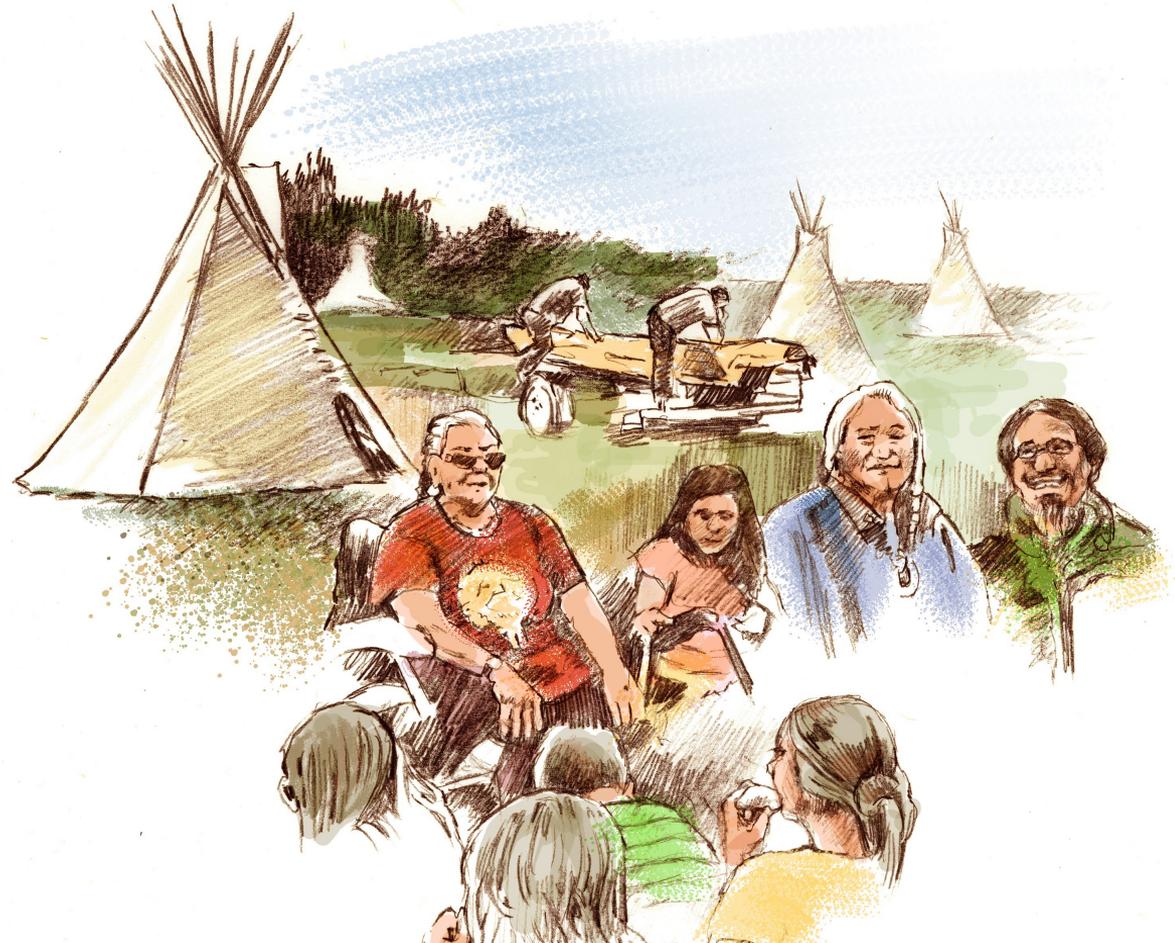
What's your
climate story?

arcg.is/1X1vbT0

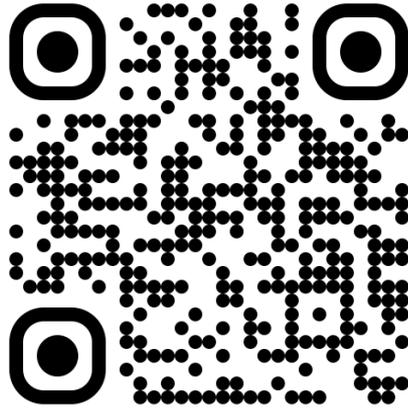


Sharing

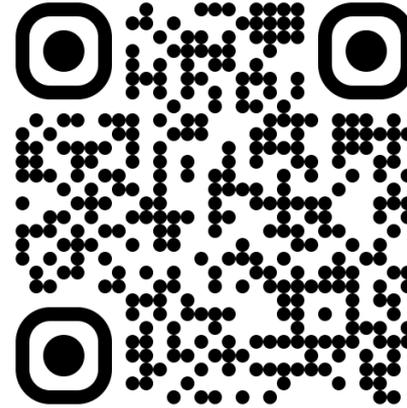
Share your climate stories



Access Resources



native-climate.com



extensiondisaster.net

