



July 27, 2023

Listening Sessions

Tribal Engagement and Indigenous-Led Public Health Disaster Research <https://hazards.colorado.edu/research/public-health-disaster/listening-sessions>

Listening Session 4 Report: Research Gaps June 27, 2023, 11:00 AM – 12:00 PM MDT

Notetakers and Report Authors: Shelby Ross and Melissa Villarreal

Report Reviewers: Musabber Ali Chisty, Brigid Mark, and Lori Peek

Audience for this Report: This report is prepared for the Centers for Disease Control and Prevention by the Natural Hazards Center at the University of Colorado Boulder.

Report Outline:

- I. Listening Session 4 – Key Takeaways
- II. Listening Session 4 – Session Overview
- III. Appendix A: Listening Session 4 – Table of Registrants
- IV. Appendix B: Listening Session 4 – Zoom Session Participant List
- V. Appendix C: Listening Session 4 – Zoom Chat
- VI. Appendix D: Resources

I. Listening Session 4 – Key Takeaways:

During the fourth Listening Session, information we learned from participants that could inform future research efforts, funding streams, or other activities included:

- The [Pacific Northwest Tribal Climate Change](#) project provides a place to search for climate change-related funding opportunities for Tribal Nations.¹
- An Indigenous data sovereignty network, which could enable data sharing between Tribal Nations and academic institutions in a way that ensures Tribal ownership and control over data produced, is necessary for disaster and public health research intended to benefit and respect Tribal Nations. There are leaders in the Indigenous community who are thinking

¹ Tribal Nations are considered Sovereign Nations because they have treaty agreements with the U.S. federal government. The term "Indigenous communities" is more inclusive to communities of non-federally recognized Tribes. Using the term "Tribal Nations" in this context gives the Tribal Nations more respect as Sovereign Nations and can allow non-Native people to understand that funding agreements should be discussed as agreements Nation to Nation rather than what it is now—where Tribes have to enter a lottery to get appropriate funding for their communities.

about and working on issues to ensure the ethical sharing of data collected by, with, for, and on tribal lands and Indigenous populations. Those who are already leading the way should be consulted regarding future data management practices.

- The process of developing grants/funding opportunities by federal agencies needs to recognize that Tribal Nations often experience multiple disasters simultaneously, not just one disaster, because of the history of existing systemic inequalities.

As conveners, some of the key lessons that we learned included that:

- It is important to allow time for all participants to introduce themselves, their experience with working with Indigenous communities, research relevant to the topics of the sessions, and why they decided to join the sessions. This information has value as it can facilitate the development of a coalition of professionals and academics passionate about addressing disaster and public health disparities in Indigenous communities.
- The self-introduction part of the session may take up much of the time allotted for the session. This is okay with a smaller group of participants as it provides everyone with the space to share their ideas and resources. However, if there is a large group of participants, self-introductions done in this manner can result in little time for the discussion questions. Planning for alternate avenues or tools to assist in moving along the self-introductions in larger groups should be prioritized for future sessions.
- To report on organizational affiliations of attendees, conveners should ask for people's affiliations in the chat, during a Zoom poll, or upon registration.
- Because some participants attended all the sessions, but others joined only one, it is worth thinking about in the future how to both maintain continuity while also welcoming others.

II. Listening Session 4 – Session Overview

Introduction to Session 4 and Participants

For this fourth Listening Session, 88 people registered, (See **Appendix A** for full list of registrants) and 26 people attended and participated (See **Appendix B** for full list of participants).

This session was designed to understand **the future directions for public health disaster research in Indigenous communities**. The discussion questions included:

1. What are funding opportunities available through different organizations, agencies, or Tribal colleges to fund scholars, particularly Indigenous scholars, working in this area of public health and disaster research?
2. What are the research fields related to public health and disaster research that we need to collaborate with?
3. How do we sustain our long-term efforts of collaboration for future work?

As we gained more experience with the Indigenous-led Listening Session series and learned that there are new participants in each session, we decided that before initiating discussion with the participants, it was essential to provide time for the participants to introduce themselves. The participants were instructed to introduce themselves with the following information:

1. Title
2. Affiliation
3. Reason for attending the listening session

4. If you are from an Indigenous community or have substantial experience working with Indigenous communities, share more about that
5. If you are here to listen and learn, tell us about who you are and how you think your research background can help contribute to research with Indigenous communities

The facilitator called on participants one by one to unmute and introduce themselves, and some participants introduced themselves in the Zoom chat (see **Appendix C** for chat transcript). The self-introduction of all participants is provided in **Table 1** below.

Table 1. Self-Introductions

Participant	Title	Reason for Attending	Personal/Practice/Research Experience in Indigenous Communities
Zhen Chong	Professor Alabama School of Public Health	Interest in joining group/ Learn	Research background in investigating disparity differences among racial groups for disaster preparedness in the United States
Meghan Mordy	Natural Hazards Center Research Associate	To listen and learn	Qualitative Ethnography Researcher - research does include Indigenous communities
Brigid Mark	University of Colorado- Boulder Ph.D. Student (Sociology)/ NHC Research Assistant	To listen and learn	Research focused on movement against Line 3 Tar Sands pipeline in Minnesota, coalition building between white and Indigenous folks to resist the pipeline
Mary Painter	Post- Doctoral Natural Hazards Center Research Associate	To listen and learn	Research centers around understanding and conceptualizing social vulnerabilities across the United States, which include Indigenous peoples
Rebecca Wurtz	University of Minnesota - School of Public Health Faculty - Infectious disease Physician/ Emergency Manager	To listen and learn	Building a scholarship program for Native Americans who want to earn a Master of Public Health (MPH). Here to learn more about what skillsets are and what knowledge bases they should have when they graduate with MPH
Rachel Adams	Natural Hazards Center Research Associate	To listen and learn	Experience with disaster and public health research in Indigenous communities that is inclusive of Indigenous sovereignty. Developing

			CONVERGE Training Module on Indigenous sovereignty
Melissa Awbrey	Disaster Resilience Leadership M.S. Student	To listen and learn	Research focuses on climate adaptation challenges in Indigenous communities and Hurricane Ida impacts to Southeast Louisiana Tribal communities. Currently assisting with a Land-Sea grant which partners with Rising Voices in Indigenous Climate adaptation
Jonella LaRose	Shoshoni & Ute Tribal Member/Co-Director & Co-Founder of Sogorea Te' Land Trust	Interested in joining the group	Provides resources to Oakland Indigenous community to help them be prepared for disaster -- link: sogoreate-landtrust.org
Megan McLemore	University of Colorado-Boulder Undergraduate Student/ CU Boulder Environmental Center Research Assistant	To listen and learn	Research aims to understand how disasters impact different communities to educate University of Colorado Boulder Student population
Sabine Schelch	Austria Student of Migration & Integration Studies	To listen and learn	Doing an internship with the Nez Pierce Tribe to learn more about their climate resiliency
Cynthia Sanders	College of the Muscogee Nation	Interested in joining the group	Research is related to climate and seasonal changes. Currently working to develop an edible food forest on campus to grow Paw Paw Trees (a local Indigenous traditional food source)
Kathy Lynn	Pacific Northwest Tribal Climate Change Project Coordinator/Faculty researcher at The University	Interested in joining the group/ Learn	Shares information about programs and funds that will assist Tribal Nations in adapting and addressing climate change. Has knowledge of efforts that are underway to report climate change impacts to Indigenous communities

	of Oregon's Environmental Studies Program		
Tafa Tupuola	American Samoa Center of Excellence	Interested in joining the group	Research focuses on human security from a disability lens and is working towards various disaster plans to be inclusive to people with disabilities
Kelsey Nicholson	University of Alaska-Fairbanks Center for One Health	To listen and learn	Their department is merging with the Center of Rural Community Development and will be working with rural Alaskan Native communities. Interested in including Traditional Ecological Knowledge into research
Silvana Croope	University of Alabama-Alabama Public Transportation Institute	Interested in joining the group/ Learn	Developer of National Alert system and how can this be applied to Tribal Nations in consideration of the Missing and Murdered Indigenous Women Crisis as well as other Indigenous issues, such as climate change impacts
Chevy Bullington-Condon	Public Health Specialist Southern Plains Tribal Health Board	To listen and learn	COVID-19 Surveillance Team for Oklahoma Tribes. Emergency Preparedness and Response in Indian Country
Dr. Christine Benally	Tribal Member/Commission Officer in Epidemiology/Retired	Interested in joining the group	Public administration of environmental health. Involved with strategic planning in response and preparedness for Southern Tribes
Eugene Barnard	Retired/Community Health Logistics	To listen and learn	Interested in health communications within Indigenous communities
Dena Marshall	Oregon Health Authority	Interested in joining the group/ Learn	Training coordinator for Health Security & Response that partners with Tribal Nations in Oregon
Laura Caplins	Piikani Lodge Health Institute (Blackfoot Tribe)	Interested in joining the group/ Learn	"Piikani Lodge Health Institute (PLHI) is an Indigenous-founded and led nonprofit organization focused on promoting the health and well-being of Blackfeet (properly known as 'Amskapi Piikani') people and lands." link: https://www.piikanilodge.org/

Ines Siepmann	Oregon Health Authority	Interested in joining the group/ Learn	Works with Health Security & Response and partners with Tribal Nations in Oregon
Sofie Poggendorf (Ranjan Datta)	Intern at Mount Royal University in Calgary	To listen and learn	Interested in including Indigenous perspectives more into climate change policy and considerations
Kirsten Maltese	FEMA Region 8	To listen and learn	Interested in the topics presented by the Listening Sessions series

Group Discussion

Question 1 - What are funding opportunities available through different organizations, agencies, or Tribal colleges to fund scholars, particularly Indigenous scholars, working in this area of public health and disaster research?

Kathy Lynn of the Pacific Northwest (PNW) Tribal Climate Change project has been dedicated to finding funding opportunities for Tribal Nations adapting to and combating climate change impacts. The PNW Tribal Climate Change project coordinates the [Online Tribal Climate Change funding guide](#), which has been tracking potential grants that can address climate change impacts for Tribal Nations for the past 10 years. Within the online guide, there is a search function that can locate grants that might be related to health. The PNW Tribal Climate Change project would like to increase the number of grants related to health and disasters, and Kathy Lynn requested that those aware of grants the project should add to the guide should email kathy@uoregon.edu.

Additionally, Cynthia Sanders mentioned that the National Institute of Food and Agriculture (NIFA) within the United States Department of Agriculture-Sustainable Agriculture Research and Education has open internships and opportunities for Tribal College/Universities (TCU) to conduct research about climate change and sustainable agricultural practices. Collaborations with regional climate centers are also a possibility for TCU research involving the topics of conservation innovation, sustainable agricultural practices, and regional climate change.

Melissa Awbrey informed the group that her project is working on developing an online organizational system for Indigenous resources with the Land-Sea Grant with Rising Voices and would love to share with and/or learn from the Indigenous-led Listening Sessions series.

Question 2 - What are the research fields related to public health and disaster research that we need to collaborate with?

Indigenous data sovereignty, the right of a Nation to govern the collection, ownership, and application of its own data, was discussed by Dr. Christine Benally as a tool that needs to be considered and implemented by federal research funding sources to encourage Tribal Nations to apply for federal funding. An Indigenous data network can give Tribal Nations a sense of trust and security for the data that is collected and reported, especially for data that is culturally sensitive. Dr. Benally also voiced a need for increased data monitoring in all health fields, which can potentially improve the livelihoods of Tribal members. Dr. Benally further explained that many Tribal Nations may not want their data shared in reports but there is still a need to establish an Indigenous data network that includes Indigenous health data. This, she explained, would enable

Tribal Nations to collaborate with government agencies and academic institutions, and it would encourage them to communicate directly what data should and should not be shared to non-Tribal members. Tribal Nations should be consulted in developing such a network. Dr. Benally believes that “we” (Indigenous people) should not hoard data if the data can improve Tribal members' livelihoods.

Tribal communities are aware of the different types of natural disasters that occur within their communities. Speaking from her experience in attempting to set up a Suicide Surveillance System for Native Americans, Dr. Benally explained that it would be better if federal funding, such as funding from the Centers for Disease Control and Prevention, could be provided directly to the Tribal Nations instead of going through state governments first. Dr. Benally explained that establishing an Indigenous data sovereignty network will require a lot of financial resources to set up and a lot of training, situational or cultural awareness, and advocating for the needs of the Tribal members. This led to the question: how we create an Indigenous data network/hub that shares data in a culturally respectful way?

Kelsey Nicholson shared her experience with Tribal data sovereignty practices at the One Health Center of the University of Alaska-Fairbanks, where they created a "Declaration of Principles for Partnership in Research." This Declaration provides guidance for working with the community to outline data sovereignty, the community's role, the researcher's role, and ownership of the data produced.

Question 3 – How do we sustain our long-term efforts of collaboration for future work?

Silvana Croope shared that when a federal agency, like FEMA, provides funding for Tribal Nations, the funding is often developed in a top-down manner, not bottom-up. This makes it difficult for Tribal Nations to apply the requirements of grants to the issues they are experiencing on-the-ground because the funding is not inclusive of all the Tribal needs in a disaster situation. There is a need for clearer communication between federal agencies and Tribal Nations to better understand how to develop inclusive grant guidelines that will be beneficial to Tribal Nations. It is also necessary to provide those funds directly to the Tribal Nations rather than allowing state governments to be an intermediary between federal funding and Tribal Nations.

Participants suggested that there is a large need for technology and the development of warning systems for Indigenous communities that can be applied to various issues, including climate change impacts and health hazards. Johnella LaRose added to this discussion by explaining that when you grow up on a reservation, you learn at a young age that “people don't come for you when there is a disaster, we have to take care of ourselves.” She explained that the average person does not know where to go when a disaster happens. Therefore, the project she has co-founded is leading the development of climate actionable steps to prepare for disasters that can be utilized by Tribes and Indigenous communities. Her project provides respirators, fire blankets, old pick-up trucks, solar panels, solar kits, and training for younger generations. This project gives insight into the perspective Indigenous communities have had to develop to survive disasters. Indigenous communities are resilient but are tired of not receiving necessary and treaty-obligated resources in a timely manner to prepare for, respond to, and recover from disaster.

The listening session concluded after this final discussion question.

III. Appendix A: Listening Session 4 – Table of Registrants

Name	Email
Tafa Tupuola	t.tupuola@amsamoa.edu
Dena Marshall	Dena.Marshall@oha.oregon.gov
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Michael Sakosky	michael.sakosky@redcross.org
Cynthia Sanders	CSanders@cmn.edu
Ali Biglari	biglari.a@gmail.com
Nnenia Campbell	nnenia@billandersonfund.org
Candy Cates	candy.k.cates@oha.oregon.gov
Brigid Mark	Brma1073@colorado.edu
Chris Obi	Krisook2@gmail.com
Eugene Barnard	eabarnard@prodigy.net
Rebecca Wurtz	rwurtz@umn.edu
Keira Wickliffe Berger	upf4@cdc.gov
Kelly Anderson	Kelly.Anderson@fema.dhs.gov
Christopher Dyer	cdyer@unm.edu
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Tina Tourillott	ttourillott@haskell.edu
Alexes Juarez	ahjuarez@ucdavis.edu
Bill Thomas	Bill.Thomas@noaa.gov

Johnella LaRose	johnella24@gmail.com
Laura Caplins	Lcaplins@piikanilodge.org
Kathy Lynn	kathy@uoregon.edu
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Silvana Croope	svcroope@ua.edu
Ines Siepmann	ines.siepmann@odhsoha.oregon.gov
Zhen Cong	zcong@uab.edu
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Malini Roy	roy.malini91@gmail.com
Chevy Bullington-Condon	cbullington@spthb.org
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Mary Painter	mary.painter@colorado.edu
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Meghan Mordy	meghan.mordy@colorado.edu
Tracy Thomas	tct5@cdc.gov

Rachel Adams	rachel.adams-1@colorado.edu
Jennifer Tobin	Jennifer.L.tobin@colorado.edu

IV. Appendix B: Listening Session 4 – Zoom Session Participant List

- | | |
|----------------------|--------------------------------------|
| 1. Zhen Cong | 14. Silvana Croope |
| 2. Meghan Mordy | 15. Chevy Bullington-Condon |
| 3. Brigid Mark | 16. Christine Benally |
| 4. Mary Painter | 17. Eugene Barnard |
| 5. Rebecca Wurtz | 18. Dena Marshall |
| 6. Rachel Adams | 19. Laura Caplins |
| 7. Melissa Awbrey | 20. Sofie Poggendorf (Ranjan Datta) |
| 8. Jonella LaRose | 21. Kirsten Maltese |
| 9. Megan McLemore | 22. Ines Siepmann |
| 10. Sabine Schelch | 23. Tafa Tupuola |
| 11. Cynthia Sanders | 24. Lori Peek (PI) |
| 12. Kathy Lynn | 25. Melissa Villarreal (Facilitator) |
| 13. Kelsey Nicholson | 26. Shelby Ross (Facilitator) |

V. Appendix C: Listening Session 4 – Zoom Chat

12:00:10 From Melissa Villarreal (she/her) to Everyone:
I'm calling from Houston!

12:00:39 From Melissa Villarreal (she/her) to Everyone:
So jealous!

12:05:13 From Shelby Ross to Everyone:
Name (Please include your title)

Current Research/Training Background

What brought you to the listening sessions?

12:05:29 From Shelby Ross to Everyone:
if you are just here to listen and learn, that is great, but tell us more about who you are.

Do have projects that involve tribal engagement or are Indigenous led?

If you have direct experience in this area, Take this time to share more in-depth

12:05:32 From Lori Peek, Natural Hazards Center to Everyone:

Zhen will you please drop the link to that publication in the chat? Thank you! (Shelby and Melissa are compiling references! So hope others will do the same!)

12:06:28 From Lori Peek, Natural Hazards Center to Everyone:

This is the program that Meghan and Rachel have been leading so beautifully, with the support of the CDC: <https://hazards.colorado.edu/research/public-health-disaster-research-award-program>

12:06:53 From Meghan Mordy to Everyone:

Reacted to "This is the program ..." with ❤️

12:06:57 From Ranjan datta to Everyone:
Hello! My name is not Ranjan Datta (I don't know why zoom made it like that). I am Sofie Poggendorf and I am an Intern at Mount Royal University in Calgary. Ranjan Datta is my supervisor. I am currently sick and lost my voice so here my interests for this session: I am working on a project to include Indigenous perspectives more into climate change policy and considerations. I haven't worked with Indigenous in person yet but I already had the chance to listen to several interviews conducted by a college of mine.

12:07:36 From Brigid Mark to Everyone:
Reacted to "This is the program ..." with ❤️

12:07:48 From Lori Peek, Natural Hazards Center to Everyone:
Brigid, will you please drop your publications in the chat?

12:08:05 From Brigid Mark to Everyone:
Reacted to "Brigid, will you ple..." with ❤️

12:08:38 From Zhen Cong to Everyone:
<https://link.springer.com/article/10.1007/s11069-022-05262-6>

12:08:40 From Zhen Cong to Everyone:
<https://academic.oup.com/bjsw/article-abstract/53/2/956/6693663>

12:08:53 From Brigid Mark to Everyone:
<https://www.sciencedirect.com/science/article/pii/S2214629622002286>

12:09:01 From Zhen Cong to Everyone:
Reacted to "Zhen will you please..." with ❤️

12:09:23 From Lori Peek, Natural Hazards Center to Everyone:
Mary shared this article with me previously which is outstanding:
<https://www.frontiersin.org/articles/10.3389/fsoc.2020.610355/full>

12:09:48 From Mary Painter to Everyone:
Reacted to "Mary shared this art..." with ❤️

12:10:00 From Zhen Cong to Everyone:
Reacted to "Mary shared this art..." with ❤️

12:10:12 From Lori Peek, Natural Hazards Center to Everyone:
<https://converge.colorado.edu/resources/training-modules/>

12:10:15 From Melissa Villarreal (she/her) to Everyone:
Thank you all for these resources!

12:10:35 From Chevy Bullington-Condon to Everyone:
Hello! My name is Chevy Bullington-Condon, Public Health Specialist II at Southern Plains Tribal Health Board/Oklahoma Tribal Epidemiology Center. I recently shifted from disease surveillance to emergency preparedness and response in Indian Country. I am hear to continue to learn and grow in my new role and find new ways to reach our Indigenous populations. I am currently focusing on jurisdictional risk assessment for a tribal nations in Oklahoma.

12:10:37 From Brigid Mark to Everyone:
Under Review: Corrie Grosse and Brigid Mark. "Advancing Sovereignty through Native-led Renewable Energy in the US: A Literature Review." Energy Research and Social Science.

12:10:38 From Lori Peek, Natural Hazards Center to Everyone:
And this is the original curriculum that Rachel described so beautifully.
<https://hazards.colorado.edu/about/partnerships/indigenous-sovereignty-in-emergency-response>

12:10:56 From Eugene Barnard to Everyone:
Eugene Barnard retired US Coast Guard - AmeriCorps Alum - I am Abenaki/French Canadian. Currently a grad student in Health literacy a UNT Fort Worth. I am TX Community Health Worker. My daughters are professors at Univ of AI and the other at Univ of Northern GA .

12:11:35 From Brigid Mark to Everyone:
<https://www.elgaronline.com/view/journals/jhre/11-3/jhre.2020.03.07.xml>

12:11:57 From Lori Peek, Natural Hazards Center to Everyone:
That is all so great, Melissa, thank you! And we should shout out to Rising Voices too, as they are

co-sponsoring these sessions! <https://risingvoices.ucar.edu/>

12:14:21 From Lori Peek, Natural Hazards Center to Everyone:

To those just joining us - WELCOME! You can find the prior recordings here:

<https://hazards.colorado.edu/research/public-health-disaster/listening-sessions/schedule-registration>

12:14:45 From Lori Peek, Natural Hazards Center to Everyone:

Johnella, would you please drop the link to your org in the chat?

12:15:13 From Melissa Awbrey to Everyone:

Thanks, Lori!

12:15:41 From Cynthia Sanders to Everyone:

Hesci (Hello),

12:16:27 From Kathy Lynn to Everyone:

The Status of Tribes and Climate Change Report (STACC).

<https://sites.google.com/view/stacc2021-itep/home>

12:17:12 From Lori Peek, Natural Hazards Center to Everyone:

TAF! This is a slightly different topic, but we have this new award and it would be beautiful if in the future members of your Center can apply and share with your networks. Thank you!

<https://hazards.colorado.edu/awards/disability-and-disasters-award>

12:17:39 From Tafa Tupuola to Everyone:

Reacted to "TAF! This is a slig..." with 🙌

12:21:14 From Cynthia Sanders to Everyone:

CMN- Research related to climate and seasonal changes in the Southwest and central regions. Our students are involved in growing Pawpaw trees to encourage local indigenous farmers in creating edible food forests. Background: Environmental science and conservation/ second meeting attending and heard about the event from rising voices

12:23:34 From Dena Marshall to Everyone:

Dena Marshall, Oregon Health Authority, Health Security Preparedness and Response (HSPR) Unit. I am the project and training coordinator, responsible for building out a training calendar for agency staff and community partners. Tribal public health and disaster preparedness is one area of focus. This meeting popped up in my email yesterday, thank you for allowing me to be here with you.

12:26:13 From Ranjan datta to Everyone:

i already sent sth in the chat

12:26:30 From Lori Peek, Natural Hazards Center to Everyone:

Reacted to "Hello! My name is no..." with 🙌

12:26:52 From Ranjan datta to Everyone:

Hello! My name is not Ranjan Datta (I don't know why zoom made it like that). I am Sofie Poggendorf and I am an Intern at Mount Royal University in Calgary. Ranjan Datta is my supervisor. I am currently sick and lost my voice so here my interests for this session: I am working on a project to include Indigenous perspectives more into climate change policy and considerations. I haven't worked with Indigenous in person yet but I already had the chance to listen to several interviews conducted by a college of mine.

12:27:02 From Melissa Villarreal (she/her) to Everyone:

Thanks, Sofie!

12:27:19 From Brigid Mark to Everyone:

Reacted to "Hello! My name is no..." with 🙌

12:32:55 From Shelby Ross to Everyone:

1) What are funding opportunities that available through different organizations, agencies, or Tribal colleges to fund scholars, particularly Indigenous scholars, working in this area of public health and disaster research?

2) What are the research fields related to public health and disaster research that we need to collaborate with?

3) How do we sustain our efforts of collaboration for future work? (long-term goals)

12:34:23 From Lori Peek, Natural Hazards Center to Everyone:

Videos from the prior sessions are here: <https://hazards.colorado.edu/research/public-health-disaster/listening-sessions/schedule-registration> Welcome to all!

12:34:38 From Kirsten Maltese to Everyone:

Reacted to "Videos from the prio..." with 🤔

12:36:24 From Lori Peek, Natural Hazards Center to Everyone:

Tribal Climate Leaders Program: <https://nccasc.colorado.edu/tribal-climate-leaders-program#:~:text=The%20Tribal%20Climate%20Leaders%20Program,related%20to%20climate%20adaptation%20science.>

12:38:37 From Kathy Lynn to Everyone:

RE: Funding opportunities - We coordinate the Online Tribal Climate Change funding guide (<https://tribalclimateguide.uoregon.edu/funding>). We are very eager to include funding opportunities related to climate change and public health. You can use the search function to look for grants that might be related to health. I would like to increase the number of grants related to health and disasters, so please feel free to let me know if there are grants you think we should add to the Guide! You can email me at kathy@uoregon.edu.

12:39:26 From Lori Peek, Natural Hazards Center to Everyone:

Reacted to "RE: Funding opportun..." with 🙏

12:42:32 From Rachel Adams to Everyone:

<https://doi.org/10.1177/0733464820954676>

12:43:58 From Lori Peek, Natural Hazards Center to Everyone:

Reacted to "<https://doi.org/10.1...>" with ❤️

12:44:23 From Lori Peek, Natural Hazards Center to Everyone:

Kathy - that is a GREAT resource, and thank you for sharing this!

12:44:30 From Brigid Mark to Everyone:

Reacted to "RE: Funding opportun..." with ❤️

12:44:55 From Lori Peek, Natural Hazards Center to Everyone:

This is a list of awards and scholarships we've compiled through the Center - not always specific to tribes or Indigenous populations, but maybe of use? <https://hazards.colorado.edu/resources/award-opportunities>

12:45:19 From Eugene Barnard to Everyone:

9 out of 10 Americans lack the knowledge and skills to manage their health and prevent disease

12:45:58 From Cynthia Sanders to Everyone:

Discussion Questions

1) NIFA (USDA-NRCS-SARE) has open internships and TCU research towards climate change. Collaborations with regional climate centers are also a possibility for TCUs. 2) Conservation innovation, sustainable agricultural practices, and regional climate change
3. Data hub sharing in a culturally respectful way

Community groups to assist in reaching out to other tribal and industrial institutions

12:46:35 From Lori Peek, Natural Hazards Center to Everyone:

Kathy, that is an incredible resource!

12:46:43 From Kathy Lynn to Everyone:

Reacted to "Kathy, that is an in..." with ❤️

12:47:50 From Kirsten Maltese to Everyone:

Would love to hear more on that, Melissa!

12:47:56 From Lori Peek, Natural Hazards Center to Everyone:

I have heard James Rattling Leaf give very powerful presentations maybe related to the data hub idea (but don't want to misrepresent his brilliance!)

12:48:20 From Kathy Lynn to Everyone:

<https://nni.arizona.edu/our-work/research-policy-analysis/indigenous-data-sovereignty-governance#:~:text=Indigenous%20data%20sovereignty%20is%20the,peoples%2C%20lands%2C%20and%20resources.>

12:48:32 From Melissa Awbrey to Everyone:
I'm sorry I'm on the phone regarding a crisis with my house.
12:48:55 From Melissa Villarreal (she/her) to Everyone:
Replying to "I'm sorry I'm on the..."

Hoping everything is okay!

12:48:56 From Lori Peek, Natural Hazards Center to Everyone:
Thank you, Kathy!!! <https://indigenousofdata.org/>

12:49:50 From Melissa Awbrey to Everyone:
Not sure if this is what you mentioned, but we are working on developing an online organizational system for indigenous resources with the Land to Sea Grant with Rising Voices and would love to share and/or learn from anything you're doing.

12:50:41 From Melissa Awbrey to Everyone:
Replying to "I'm sorry I'm on the..."

Ugh...bed bugs at a house I rent out...time is of the essence!

12:51:03 From Eugene Barnard to Everyone:
<https://moody.utexas.edu./centers/health-communication>

12:51:42 From Kelsey Nicholson to Everyone:
Anytime we work with a community in Alaska our department creates a "Declaration of Principles for Partnership in Research" in that declaration we work with the community to outline data sovereignty, their role, our role, and ownership of that data.

12:52:01 From Mary Painter to Everyone:
Reacted to "Anytime we work with..." with ❤️

12:53:37 From Brigid Mark to Everyone:
Reacted to "Anytime we work with..." with ❤️

12:53:46 From Melissa Awbrey to Everyone:
Oh...oooops, I was in and out and didn't realize there is another Melissa on the call who I think you guys were referring to...sorry.

12:53:56 From Brigid Mark to Everyone:
Reacted to "Oh...oooops, I was in ..." with ❤️

12:54:27 From Melissa Villarreal (she/her) to Everyone:
Reacted to "Oh...oooops, I was in ..." with ❤️

12:55:36 From Eugene Barnard to Everyone:
<https://safecaretexas.org>

12:55:45 From Meghan Mordy to Melissa Villarreal (she/her)(Direct Message):
Hi Melissa, I think Laura was trying to talk at one point! Just wanted her to get a chance!

12:55:58 From Melissa Villarreal (she/her) to Everyone:
Replying to "Anytime we work with..."

Yes! We've done something similar called a Memorandum of Understanding (MOU) when collaborating with community based organizations. It helps with expectations and works as a contract agreement for who owns the data, etc.

12:56:12 From Melissa Villarreal (she/her) to Meghan Mordy(Direct Message):
Thank you!

12:56:16 From Brigid Mark to Everyone:
Reacted to "Yes! We've done some..." with ❤️

12:56:24 From Melissa Villarreal (she/her) to Everyone:
Removed a ❤️ reaction from "Oh...oooops, I was in ..."

12:56:26 From Melissa Villarreal (she/her) to Everyone:
Reacted to "Oh...oooops, I was in ..." with ❤️

12:57:30 From Lori Peek, Natural Hazards Center to Melissa Villarreal (she/her)(Direct Message):

Can you please make sure and acknowledge our partners before we close (CNAIS, Rising Voices, BAF)

12:57:34 From Lori Peek, Natural Hazards Center to Melissa Villarreal (she/her)(Direct Message):
And invite people to the Workshop?

12:57:37 From Lori Peek, Natural Hazards Center to Melissa Villarreal (she/her)(Direct Message):
Thank you.

12:58:14 From Mary Painter to Everyone:
Will a list of the resources participants put in the chat be created to be shared?

12:58:21 From Melissa Villarreal (she/her) to Everyone:
Reacted to "Will a list of the r..." with 🙌

12:58:39 From Lori Peek, Natural Hazards Center to Everyone:
@Mary - Melissa and Shelby have been compiling those. We will post on the page!

12:58:46 From Mary Painter to Everyone:
Reacted to "@Mary - Melissa and ..." with ❤️

12:58:53 From Mary Painter to Everyone:
Amazing and wonderful, as always!

12:59:00 From Lori Peek, Natural Hazards Center to Everyone:
<https://hazards.colorado.edu/research/public-health-disaster/listening-sessions/schedule-registration>

13:00:48 From Lori Peek, Natural Hazards Center to Everyone:
<https://risingvoices.ucar.edu/>

13:01:12 From CHRISTINE BENALLY to Everyone:
I have to leave the meeting.

13:01:22 From Laura Caplins to Everyone:
I apologize, I have to go. Thank you for allowing me to visit with you some today. L

13:01:42 From Kathy Lynn to Everyone:
I also have to sign off for another meeting. Thank you for the opportunity to participate!

13:01:43 From Silvana Croope to Everyone:
svcroope@ua.edu

13:01:50 From CHRISTINE BENALLY to Everyone:
cyb8@hotmail.com Dr. Christine J. Benally

13:01:54 From Melissa Villarreal (she/her) to Everyone:
Thank you for joining us!

13:02:38 From Lori Peek, Natural Hazards Center to Everyone:
Thank you for those groups who have co-sponsored these sessions!
<https://billandersonfund.org/>, <https://risingvoices.ucar.edu/>, <https://www.colorado.edu/cnais/>

13:02:47 From Eugene Barnard to Everyone:
Bon chance justice humaine

13:04:40 From Lori Peek, Natural Hazards Center to Everyone:
Johnella, the applications you describe are very powerful!

13:05:23 From Kirsten Maltese to Everyone:
Thank you all so much for the resources and insight. I learn so much every time I attend something from the Natural Hazards Center!

13:06:03 From Kirsten Maltese to Everyone:
If you ever need anything from me -- Kirsten.maltese@fema.dhs.gov - Youth and Adolescent Program Manager 😊

13:06:10 From Lori Peek, Natural Hazards Center to Everyone:
Reacted to "If you ever need any..." with ❤️

13:06:14 From Lori Peek, Natural Hazards Center to Everyone:
Reacted to "Thank you all so muc..." with ❤️

13:06:52 From Johnella LaRose to Everyone:
Sogoreatelandtrust.org

13:07:09 From Johnella LaRose to Everyone:

Sogorea Te Land Trust

13:07:17 From Mary Painter to Everyone:

Thank you so much, Melissa and Shelby!

13:07:19 From Lori Peek, Natural Hazards Center to Everyone:

Our fifth and final session will be at the 48th Annual Natural Hazards Workshop and hope to see you there! <https://hazards.colorado.edu/workshop/2023>

13:07:41 From Lori Peek, Natural Hazards Center to Everyone:

<https://hazards.colorado.edu/workshop/2023/session/listening-session-indigenous-communities-of-practice-and-tribal-engagement?row=3>

13:07:58 From Lori Peek, Natural Hazards Center to Everyone:

Thank you, Melissa and Shelby! You are just wonderful, and so good to see / meet all of you.

13:08:35 From Zhen Cong to Everyone:

Thanks for a wonderful session!

13:08:39 From Sabine Schelch to Everyone:

Thank you so much for all these interesting insights! Bye

VI. Appendix D: Resources (Including Sessions 1, 2, 3, and 4)

- Adams, R.M., Evans, C.M., Mathews, M.C., Wolkin, A., & Peek, L. (2020). Mortality From Forces of Nature Among Older Adults by Race/Ethnicity. *Journal of Applied Gerontology* **40**:11. <https://doi.org/10.1177/0733464820954676>
- Burrell, M., Grosse, C., & Mark, B. (2022). Resistance to petro-hegemony: A three terrains of power analysis of the Line 3 tar sands pipeline in Minnesota. *Energy Research & Social Science* **91**:102724. <https://doi.org/10.1016/j.erss.2022.102724>
- Carter, L., and Peek, L. (2016). "[Participation Please: Barriers to Tribal Mitigation Planning.](#)" Natural Hazards Center.
- CDC [Public Health Emergency Preparedness Capabilities](#)
- Chen, Z., and Cong, Z. (2022). Perceived Disaster Preparedness between Asian American and Other Races: Mediating Roles of Information Seeking and Self-Efficacy. *The British Journal of Social Work* **53**:2. <https://academic.oup.com/bjsw/article-abstract/53/2/956/6693663>
- Cong, Z., and Chen, Z. (2022). How are Asian-Americans different from other disaster preparedness in the context of caregiving responsibilities and preparedness information access. *Natural Hazards* **112**: 2217-2236. <https://link.springer.com/article/10.1007/s11069-022-05262-6>
- Dent, L.A., Donatuto, J., Campbell, L. et al. (2023). [Incorporating Indigenous voices in regional climate change adaptation: opportunities and challenges in the U.S. Pacific Northwest.](#) *Climatic Change* **176**: 27 (2023). <https://doi.org/10.1007/s10584-023-03499-z>
- Figus, Elizabeth. (n.d.) [Declaration of Principles for Partnership Research.](#)
- Kovach, M. (2021). *Indigenous Methodologies: characteristics, conversations, and contexts* (2nd ed.). Toronto: University of Toronto Press.
- LeNoble, C., Naranjo, A., Shoss, M. et al. (2032) [Navigating a Context of Severe Uncertainty: The Effect of Industry Unsafety Signals on Employee Well-being During the COVID-19 Crisis.](#) *Occup Health Sci.* **Published Online.** <https://doi.org/10.1007/s41542-023-00155-x>

- Natural Hazards Center. [Disability and Disaster Awards](https://hazards.colorado.edu/awards/disability-and-disasters-award).
<https://hazards.colorado.edu/awards/disability-and-disasters-award>
- North Central Climate Adaptation Center: [Tribal Climate Leaders Program](#).
- Sapóoq'is Wíit'as Ciarra S. Greene, Lesley Iaukea, Jasmine Neosh, Hōkūlani Rivera, with Paulette Blanchard, Patrick Freeland, Julie Maldonado, Michelle Montgomery. (2022). [COVID-19 and Climate Change: Understanding Place, History, and Indigenous Sovereignty in Emergency Response](#). Available at:
<https://hazards.colorado.edu/about/partnerships/indigenous-sovereignty-in-emergency-response>
- Status of Tribes and Climate Change Working Group (STACCWG). (2021). Status of Tribes and Climate Change Report, Institute for Tribal Environmental Professionals, Northern Arizona University, Flagstaff, AZ. [Marks-Marino, D. (ed.)] <http://nau.edu/stacc2021>
- Under Review: Corrie Grosse and Brigid Mark. "Advancing Sovereignty through Native-led Renewable Energy in the US: A Literature Review." *Energy Research and Social Science*.
- The University of Arizona Native Nations Institute. [Indigenous Data Sovereignty & Governance](#).
- Yellow Horse AJ, Deschine Parkhurst NA and Huyser KR (2020) COVID-19 in New Mexico Tribal Lands: Understanding the Role of Social Vulnerabilities and Historical Racisms. *Frontier Sociology* **5**:610355. [doi: 10.3389/fsoc.2020.610355](https://doi.org/10.3389/fsoc.2020.610355)



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