



# 12<sup>th</sup> Annual Rising Voices Workshop

## Co-creating Research, Policy, and Action: The Rising Voices of Indigenous Peoples and Partners in Weather and Climate Science

Monday, May 6 – Wednesday, May 8, 2024

Hybrid: In-person and Virtual

NSF National Center for Atmospheric Research (NCAR)

Center Green Campus, 3080 Center Green Drive

Boulder, CO

Website: <https://risingvoices.ucar.edu/>

In 2013, the first Rising Voices workshop at the National Center for Atmospheric Research (NCAR) asked: *What are the elements of successful co-production of science and policy in the related fields of extreme weather and climate change?* Over a decade later, engaging both Indigenous and Earth sciences to address climate change challenges is increasingly accepted and promoted within mainstream scientific enterprises. Funding agencies and institutions are increasingly requiring “meaningful community engagement” for research proposals and the “co-production of knowledge” is the term du jour in climate science research.

*“The urgent threat posed by our climate crisis necessitates innovative actions. Innovation is an opportunity to look beyond Earth sciences to solutions in other knowledge systems and, in doing so, to support the rising voices of those who have been historically marginalized.”*

– Lazrus et al., 2022

In this context, and building from the Rising Voices’ [Declaration on Relationships and the Wise Use and Applications of Technologies for Climate Actions for Everyone](#), we’re poised to learn from where we’ve been and grow into where we’re going. How can we work to better advance science, remove the boundaries between science and society, and create innovative partnerships among collaborators with diverse disciplinary and cultural backgrounds to support adaptive and resilient communities, and to achieve culturally relevant and scientifically robust climate and weather actions?

This workshop will bring participants together to work on proposed pathways and guidelines for intercultural collaborations for co-created, place-based Earth systems science research, policy, practice, and action. The focus will include the:

- Rising Voices' core priorities: (1) advancing science through collaborations that bring Indigenous and Earth sciences into partnership; (2) create opportunities for Indigenous students and early career scientists through scientific and community mentoring, and (3) support adaptive and resilient communities through sharing scientific capacity.
- Topics: Community relocation/site expansion; Education, Communication, Training, & Outreach; Energy Systems; Food Systems; Human Health; Phenology; and Water Systems.
- Regions: Pacific Coastal (Pacific Islands, Alaska, Northwest); Grass/shrub/arid lands (Southwest, Plains/North Central, South Central); Deciduous Forests (Midwest/Great lakes, Northeast); Atlantic Coastal (Gulf Coast, Southeast, Caribbean Islands, Northeast)

The Rising Voices Center serves as connective webbing, creating linkages and space for new collaborations to have their own life. This workshop focus is in direct response from requests by Rising Voices participants to initiate more regional and place-based work for a process of co-learning together.

**The objective is to:**

***Develop general guidelines, principles, and evaluative processes that can be adapted for place-based intercultural collaborations in support of climate actions and the initiation of such collaborations in the relationship building phase.***

As Rising Voices is working to pivot into a more place-based, actionable science initiative for intercultural climate collaborations, the goal of this convening is to build from long-standing engagement to collaboratively work together to move from a decade+ of Rising Voices' recommendations into action and commitment.

## Day 1: Monday, May 6th

<b>8:00am</b>	<i>Orientation for 1<sup>st</sup> time RVers/students (optional)</i>
<b>8:30am</b>	<i>Coffee &amp; Tea at NSF NCAR Center Green</i>
<b>9:00am</b>	Opening Ceremony - Steven LaPointe
<b>9:20am</b>	Welcome to Place - Ava Hamilton
<b>9:30am</b>	Welcome to the 12th Annual Rising Voices Workshop
<b>9:50am</b>	Welcome to NSF NCAR - Gretchen Mullendore
<b>10:00am</b>	<a href="#">Rising Voices video</a>
<b>10:15am</b>	Setting the framework: Where we've been, where we're aiming to go
<b>10:20am</b>	Introductions
<b>10:45am</b>	<i>Break</i>
<b>11:00am</b>	Planting the seed: Connections, Opportunities, and Engagement Shantel Martinez (moderator), Paulette Blanchard, Diamond Tachera, Bill Thomas, Tyler Moore, Daniel Wildcat, Corinne Salter
<b>12:10pm</b>	Group dialogues
<b>12:30pm</b>	<i>Group photo (outside)</i>
<b>12:40pm</b>	<i>Lunch (mentoring relationships - grab food and connect together at tables outside)</i>

<b>1:30pm</b>	Examples of intercultural collaborations that center justice in climate research and action - inspiration for what's possible!
<b>1:45pm</b>	Building relationships and trust: Scientific collaboration responding to communities' needs - building air quality sensors in Lahaina  Diamond Tachera (moderator), Keahi Tajon, Maraya Ben-Joseph, Agbeli Ameko, Keith Maull
<b>2:35pm</b>	<i>Transition to working groups – topic</i>
<b>2:45pm</b>	Working groups by topic  Community relocation/site expansion Education, Communication, Training, & Outreach Energy Systems Food Systems Health Phenology Water Systems
<b>4:00pm</b>	<i>Break</i>
<b>4:15pm</b>	Share-out: initial reflections from Topics' groups  Developing guidelines, principles, and evaluative processes that can be adapted for place-based intercultural collaborations in support of climate actions and collaborations in the relationship building phase
<b>4:45pm</b>	Wrap-up Day 1, What's coming up next  Tribute to RV co-founders, Heather Lazrus and Bob Gough
<b>5:00pm</b>	Depart Center Green for Foothills Lab
<b>5:15 - 7:30pm</b>	The Annual Bob Gough-Fest "Climate Change is Inevitable, Adaptation is Optional" The Bob Gough Award for Climate Justice in Action Dinner

## Day 2: Tuesday, May 7<sup>th</sup>

<b>8:30am</b>	<i>Coffee &amp; Tea at NSF NCAR Center Green</i>
<b>9:00am</b>	Welcome to the day
<b>9:10am</b>	Recap Day 1 / Process Day 2
<b>9:15am</b>	Research, Policy, and Action: Scaling across governance systems Aranzazu Lascurain (moderator), Ramsay Taum, Chief Deme Naquin, Jainey Bavishi
<b>10:15am</b>	Group dialogues
<b>10:35am</b>	<i>Break &amp; Transition to Working Groups - Topics</i>
<b>11:00am</b>	Working Groups by Topic (continued) Community relocation/site expansion Education, Communication, Training, & Outreach Energy Systems Food Systems Health Phenology Water Systems
<b>12:15pm</b>	<i>Lunch</i>
<b>1:15pm</b>	Storytelling & digital technology demonstration - Chris Shaeffer, Lomikai Media
<b>1:30pm</b>	World Café & Posters
<b>2:30pm</b>	<i>Transition to working groups – region</i>
<b>2:40pm</b>	Working groups by region Atlantic Coastal (Gulf Coast, Southeast, Caribbean Islands, Northeast) Deciduous Forests (Midwest/Great lakes, Northeast) Grass/shrub/arid lands (Southwest, Plains/North Central, South Central) Pacific Coastal (Pacific Islands, Alaska, Northwest)

<b>4:00pm</b>	<i>Break</i>
<b>4:15pm</b>	Share-out: initial reflections from Regional groups  Developing guidelines, principles, and evaluative processes that can be adapted for place-based intercultural collaborations in support of climate actions and collaborations in the relationship building phase
<b>4:45pm</b>	Wrap-up Day 2, What's coming up next

### Day 3: Wednesday, May 8<sup>th</sup>

<b>8:30am</b>	<i>Coffee &amp; Tea at NSF NCAR Center Green</i>
<b>9:00am</b>	Welcome to the day
<b>9:10am</b>	Recap Day 2/Process Day 3 & Focused goal of today
<b>9:15am</b>	Localizing Rising Voices: Next steps, actions, and commitments  <i>Share reflections from Topics &amp; Regional Groups</i> – develop draft guidelines, principles, and evaluative processes that can be adapted for place-based intercultural collaborations in support of climate actions and collaborations in the relationship building phase
<b>10:15am</b>	<i>Break</i>
<b>10:30am</b>	Localizing Rising Voices: Next steps, actions, and commitments (continued)
<b>11:15am</b>	Growing Our Garden: Closing Reflections  Annette Woolley, Cameran Bahnsen, Shelby Ross
<b>11:45am</b>	Closing Ceremony
<i>Please remember to complete and return your workshop evaluation survey!</i>	