



## RISING VOICES: COLLABORATIVE SCIENCE WITH INDIGENOUS KNOWLEDGE FOR CLIMATE SOLUTIONS



### Rising Voices 5: Pathways from Science to Action

Thursday, April 13 –Saturday, April 15, 2017  
National Center for Atmospheric Research  
CG1 – Auditorium, 3080 Center Green, Boulder, CO 80301  
Website: <https://risingvoices.ucar.edu/>

*Note: Activities with gray background will be recorded and webcast live at <http://ucarconnect.ucar.edu/live>*

#### Day 1: Building Collaborative Knowledge

<b>7:45am</b>	<i>Bus departs Holiday Inn Express</i>
<b>8:00am</b>	Coffee and tea, Welcome Reception
<b>8:30am</b>	Welcoming Ceremony and Prayer (Jerry Fills Pipe, Oglala Lakota) Participant Introductions
<b>9:00am</b>	Welcoming Remarks and Workshop Objectives (Heather Lazrus, NCAR and Julie Maldonado, LiKEN) Welcome to NCAR (Jim Hurrell, NCAR) Introduction to Cultural Survival (Suzanne Benally, Cultural Survival) Charge to Rising Voices 5 (Dan Wildcat, Haskell Indian Nations University)
<b>9:30am</b>	Summary of Previous Rising Voices Meetings (Julie Maldonado and Heather Lazrus)
<b>9:40am</b>	National Climate Assessment 4; Update on Climate Science Center Tribal Science Liaisons (Shannon McNeeley, NC-CSC)
<b>9:50am</b>	Social Network Analysis of RV4 (Carla Dhillon, Michigan State U.)
<b>10:00am</b>	Break, Poster session
<b>10:30am</b>	Presentation Panel 1: Collaborative Research



	<p><i>Moderator:</i> Bill Thomas (NOAA Office for Coastal Management – Pacific Islands)</p> <p><i>Presenters:</i> Karen Cozzetto (ITEP), Katie Spellman (U. Alaska-Fairbanks), Russanne Low (IGES), and Andrea Carmen (International Indian Treaty Council)</p>
<b>11:55am</b>	Introduction to <i>Protect Our Public Lands</i> Film (Ava Hamilton, Native American Producers Alliance)
<b>12:00pm</b>	Lunch Break, Poster Session Showing of the Film <i>Protect Our Public Lands</i>
<b>1:00pm</b>	<p>Presentation Panel 2: Making the Links from Local Initiatives to International Mobilization</p> <p><i>Moderator:</i> Roberto Borrero (International Indian Treaty Council)</p> <p><i>Presenters:</i> Tui Beth Shortland (International Indigenous Forum on Biodiversity), Jannie Staffansson (Saami Council), Hindou Oumarou Ibrahim (Association for Indigenous Women and Peoples of Chad), and Berenice Sanchez (Indigenous Network for Food Sovereignty in Mexico)</p>
<b>2:30pm</b>	Break, Poster Session
<b>3:00pm</b>	<p>Breakout Group Session 1: Building Collaborative Knowledge about Extreme Weather, Climate Change, and Disasters</p> <p><i>Goal:</i> Discuss the ways that Indigenous science and western science contribute to understanding and responding to extreme weather, climate change, and disasters.</p> <p>Thinking about the theme of each group (water, phenology, relocation, health and livelihood, energy):</p> <ol style="list-style-type: none"> <li>1) How do <i>you</i> define extreme weather events, climate change, and disasters? How does Indigenous science inform your understanding? How does western science inform your understanding?</li> <li>2) How do you know if extremes are changing? What information do you use to understand the changes (e.g., eye-witness observations, oral history, technological instruments)?</li> <li>3) When does an extreme event become a disaster? Are there impacts of extreme events that are particularly significant, at what points or in what contexts?</li> <li>4) How can Indigenous and western sciences collaboratively work to understand the changes, address the resulting impacts, and develop adaptive actions? Are there examples of best practices or lessons learned in such collaborative work?</li> </ol>
<b>4:30pm</b>	Wrap up Day 1, gather for pizza party at NCAR
<b>5:30pm</b>	<i>Bus departs NCAR for Naropa University Nalanda Events Center, then on to Holiday Inn Express for those not wishing to attend public event</i>
<b>6:00-7:30pm</b>	<p>Public Event: Rising Voices: Collaborative Science with Indigenous Knowledge for Climate Solutions</p> <p><i>Panelists:</i> Gary Morishima (Quinault Indian Nation), Shiloh-Kay Bennett (Kiksapa), Cristina Coc (Q'eqchi Maya), M. Kalani Souza (Olohana Foundation), Bob Gough (Intertribal COUP)</p>
<b>7:40pm</b>	<i>Bus departs Naropa University at 7:40pm for Holiday Inn Express</i>



**Day 2: Developing Pathways to Collaborative Actions**

<b>7:45am</b>	<i>Bus departs Holiday Inn Express</i>
<b>8:00am</b>	Coffee and Tea
<b>8:30am</b>	Charge for Day Two – Science to Action (Suzanne Benally, Cultural Survival)
<b>8:40am</b>	Presentation from Capacity Center for Climate & Weather Extremes (Greg Holland, NCAR)
<b>9:00am</b>	<p>Presentation Panel 3: Building Collaboration for Research and Action  <i>Moderator:</i> Jean Tanimoto (NOAA Office for Coastal Management – Pacific Islands)  <i>Presenters:</i> Carolyn Brinkworth (NCAR), Kalani Souza (Indigenous Phenology Network), Melissa Watkinson (U. Washington), Roberto Borrero (International Indian Treaty Council)</p>
<b>10:30am</b>	Break, Poster session
<b>11:00am</b>	<p>Breakout Group Session 2: Developing Pathways from Knowledge to Collaborative Actions</p> <p><i>Goal:</i> Continue discussion from Breakout Group Session 1 if needed. Then, building from previous discussion, discuss how we move from collaborative knowledge to meaningful actions.</p> <p>Thinking about the theme of each group (water, phenology, relocation, health and livelihood, energy):</p> <ol style="list-style-type: none"> <li>1) What are organizations, agencies, and communities doing by themselves or in partnership to support or implement mitigation, adaptation, and sustainability strategies? What types of collaborative partnerships are needed to support these strategies? Who should be involved?</li> <li>2) What are some lessons learned from these strategies? What are some best practices for developing and/or implementing these strategies?</li> <li>3) What are some alternative or new pathways that organizations, agencies, and communities could pursue? What resources or information are needed to pursue these pathways?</li> <li>4) What is needed to strengthen collaborations or partnerships and move together from science to action?</li> <li>5) How can connections with international organizations and the UN agencies support community mitigation, adaptation, and sustainability actions?</li> </ol>
<b>12:00pm</b>	<p>Lunch Break, Poster Session</p> <p>Showing of the film <i>Protect Our Public Lands Tour</i></p>
<b>1:00pm</b>	Continue Breakout Group Session 2
<b>2:30pm</b>	Break, Poster Session
<b>3:00pm</b>	Introduction to and Showing of the Film <i>2016 Pacific Island Climate Science Center Climate Change Boot Camp</i> (Aranzazu Lascurain, SE-CSC)
<b>3:40pm</b>	<p>Report Back from Breakout Groups in Plenary Session  <i>Moderator:</i> Jannie Staffansson (Saami Council)</p> <p>The group will re-convene in plenary to hear and respond to the different reports and recommendations coming out of each group. This session will begin to review next steps for the UN, countries, Indigenous Peoples, and</p>



	scientific and academic communities.
<b>5:00pm</b>	Wrap up and discussion of Day 2; Adjourn
<b>5:10pm</b>	<i>Bus departs NCAR for Holiday Inn Express</i>

**Day 3: Cultural Survival – Action Day**

<b>7:45am</b>	<i>Bus departs Holiday Inn Express</i>
<b>8:00am</b>	Coffee and Tea
<b>8:30am</b>	Introduction to Developing Recommendations Based on Day 1 & 2 <i>Moderator: Suzanne Benally (Cultural Survival)</i>
<b>8:45am</b>	Final Statements for Review <i>Moderators: Roberto Borrero (International Indian Treaty Council) and Jannie Staffansson (Saami Council)</i> Final statements collated from previous day will be presented and discussed. These statements will develop into outcome documents.
<b>10:00am</b>	(Coffee and tea served, no official break)
<b>11:00am</b>	Reflection and Inspiration <i>Moderator: Julie Maldonado</i> <i>Speakers: Doc Tusi, Kalani Souza, Lea Kekuewa, Shiloh-Kay Bennett</i>
<b>11:15am</b>	Individual Action Commitments: Spiraling Out <i>Moderator: Heather Lazrus</i> This short session will be an opportunity for participants to articulate individual commitments to action, answering the question "what will we do when we leave here?"
<b>11:30am</b>	Closing Ceremony (Jerry Fills Pipe, Oglala Lakota)
<b>12:00pm</b>	Gathering Adjourn – We hope to see you again in 2018 if not before!
<b>12:10pm</b>	<i>Bus departs to Holiday Inn Express</i>