



Background

- The Rising Voices Center for Indigenous and Earth Sciences (RV), housed at NSF National Center for Atmospheric Research, facilitates intercultural, relational-based approaches for understanding and adapting to extreme weather and climate events, climate variability, and climate change.
- At its core, Rising Voices aims to:
 - advance science through collaborations that bring Indigenous and Earth sciences into partnership,
 - create opportunities for Indigenous students and early career scientists through scientific and community mentoring, and
 - support adaptive and resilient communities through sharing scientific capacity.
- In doing so, RV seeks to 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.

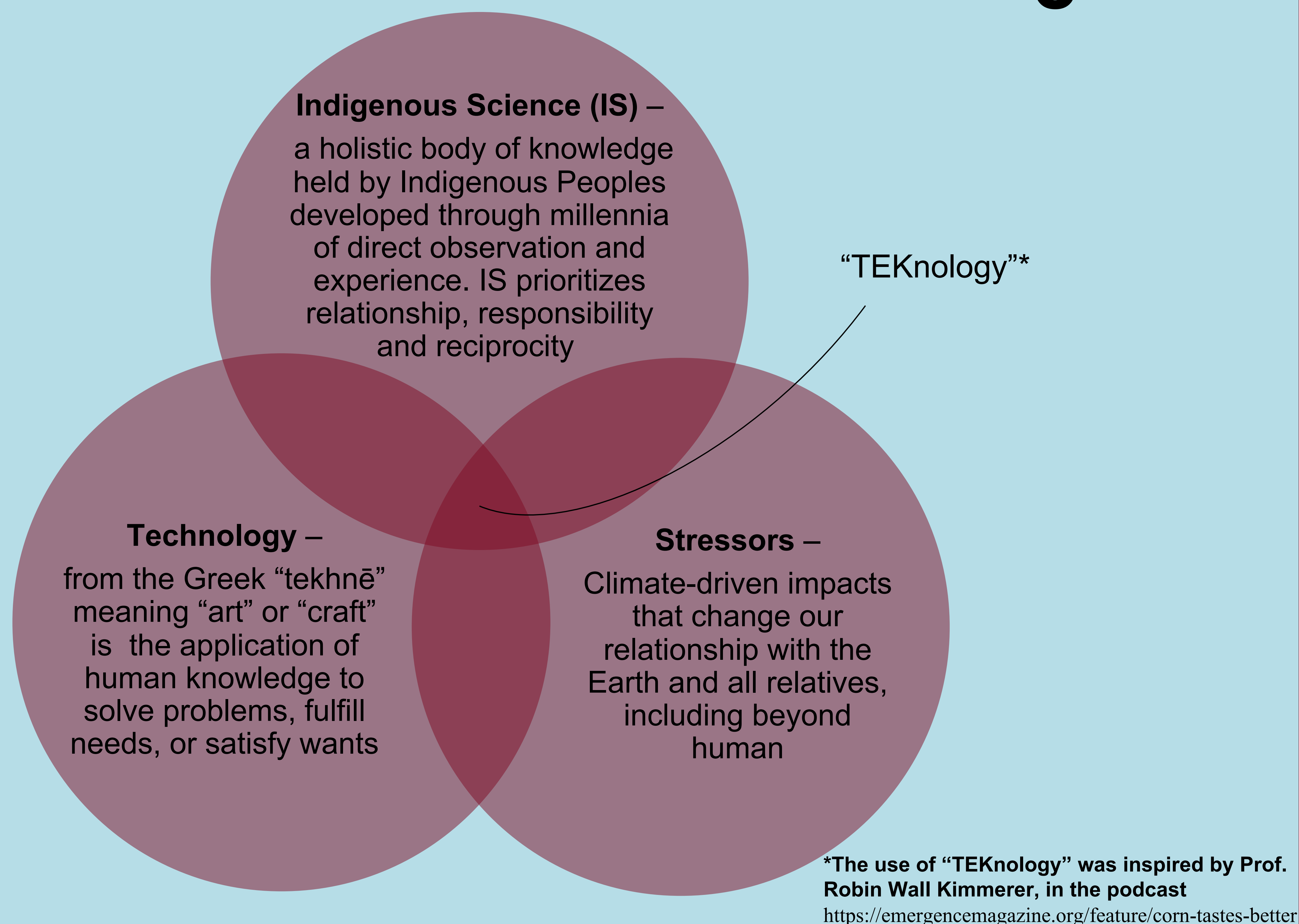
Context & Purpose

- The 11th annual Rising Voices workshop, held in Spring 2023, focused on the theme of *Understanding the Relationships: People, Place, Technology, the Environment, and Climate Change*.
- The *Declaration's* core principles and content emerged from the stories, wisdom, knowledge, insights, and reflections participants shared at the workshop.
- The Rising Voices workshop planning team, with input from workshop participants, prepared this *Declaration* to guide the use and applications of technologies to heal relationships between people, place, technology, and the environment for future generations.



SY31C-0990

Understanding the Relationships: People, Place, Technology, the Environment, and Climate Change



Motivation

- This *Declaration* is a response to concerns about the over-reliance on modern technological solutions to the climate crisis and the impacts of modern technology on our relationships.
- For example, the 5th US National Climate Assessment “says the effects of human-caused climate change are worsening in every region of the United States, but the technology to address it exists” (AGU-EOS, 11/14/23). The focus on technologies in this context includes, for example, the “rapid expansion of technologies and methods to remove carbon from the atmosphere”, “developing new or expanding existing technologies to enable and advance adaptation”, and the “reliance on emerging technologies.” (NCA5)
- The *Declaration* sets forth principles for technology design, development, use, application, and decision-making processes under rapid global change. It calls for a commitment to, for example:
 - expand and redefine what technology is to include natural, biological, and native technologies, intelligence, and observations;
 - engage with traditional technologies to learn from the past and inform the future;
 - learn from and build upon existing examples of using and applying technologies for climate actions that reconnect and rebuild human-nature relationships;
 - reconnect with our ancestral technology of multiple literacies to understand each other better and what it means to be a good relative;
 - focus technological designs on prioritizing values over measurement, long-term benefits over efficiency, ethics over information and data, and accountability over accounting.

Declaration on Relationships and the Wise Use and Applications of Technologies for Climate Actions for Everyone

Core Values & Principles

Center relationships among peoples, places, technologies, and impacts of climate change at all scales

Prioritize and embed shared values in technologies, including natural technologies, with intergenerational knowledge and wisdom sharing

Technologies should support community actions and decision-making and sovereignty for all relations

Harness the wise use and applications of technologies for climate actions for everyone

To read the full Declaration and provide thoughts/feedback



Acknowledgements

The Rising Voices Center would not be possible without our supporting institutions and the people who champion it: University Corporation for Atmospheric Research (UCAR) and U.S. National Science Foundation National Center for Atmospheric Research (NSF NCAR), Livelihoods Knowledge Exchange Network (LiKEN), National Oceanic and Atmospheric Administration Office of Coastal Management (NOAA-OCM), and Haskell Indian Nations University.

Special appreciation to the Workshop Planning Team: Paulette Blanchard, Ava Hamilton, Katie Jones, Julie Maldonado, Shantel Martinez, Michelle Montgomery, Timothy Schneider, Diamond Tachera, Bill Thomas, and Daniel Wildcat; the Rising Voices Council and Steering Committee; our program and workshop funders, the National Science Foundation and NOAA's Office for Coastal Management; and the UCAR & NSF NCAR Diversity, Equity, and Inclusion Teams: Cam Brinkworth, Kristen Aponte, and Shantel Martinez.

To Heather Lazrus and Bob Gough, Rising Voices co-founders, who continue to guide our hearts and actions.

We acknowledge that UCAR and NSF NCAR are in the Traditional Territory of the Arapaho, Cheyenne, and Ute.

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