### **Participatory Research**

**Raj Pandya**UCAR SOARS & Community Building Program

**AAAS Climate Literacy Conference 17-18 February 2008** 

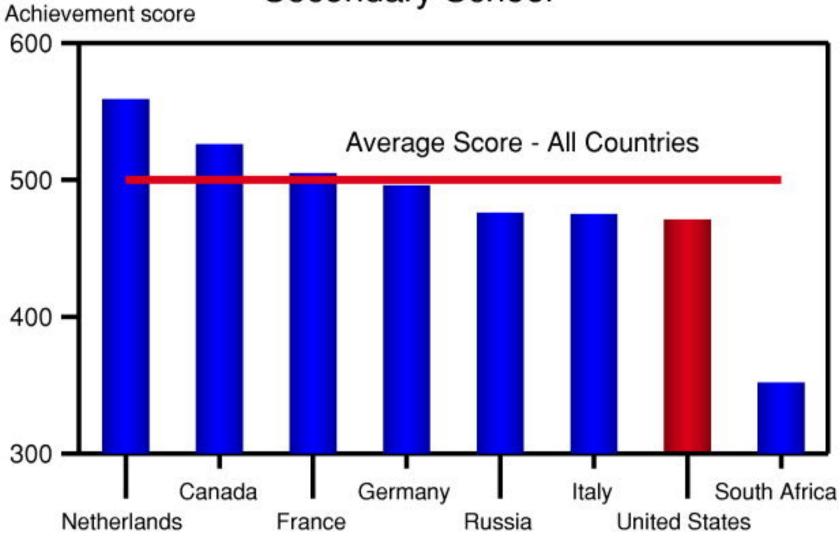


#### **Three Related and Persistent Problems**

- 1. A gap between atmospheric research and societal use
- 2. Poor climate and STEM literacy
- 3. Continued lack of minority participation in climate science

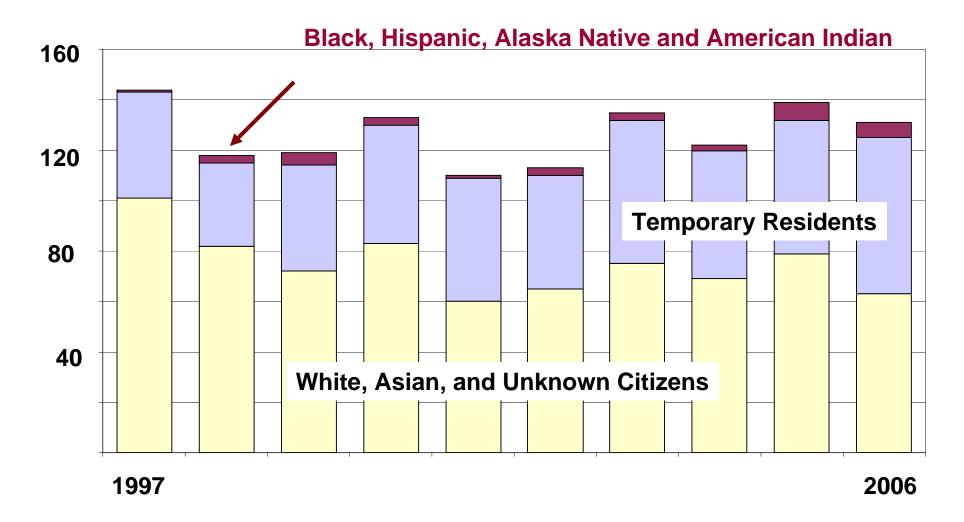


### Math and Science Literacy in Final Year of Secondary School



Source: Third International Math and Science Study, 1996.

# PhDs in Atmospheric Sciences by Race/Ethnicity and Citizenship

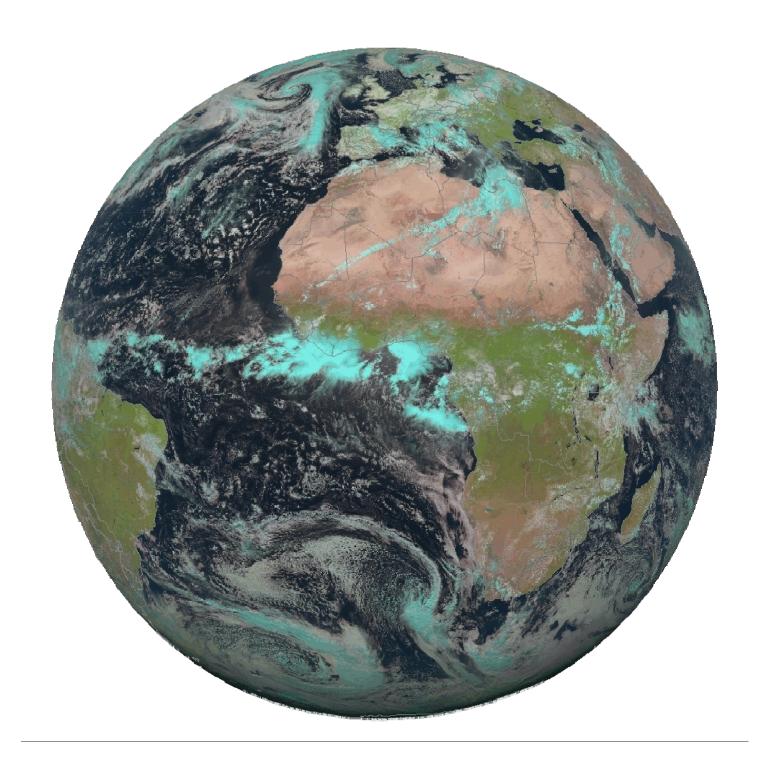


### **Participatory Research**

"Collaborative approach to research that equitably involves all partners in the research process and recognizes the unique strengths that each brings...begins with a research topic of importance to the community with the aim of combining knowledge and action"







## National Center for Atmospheric Research and Turtle Mountain Community College



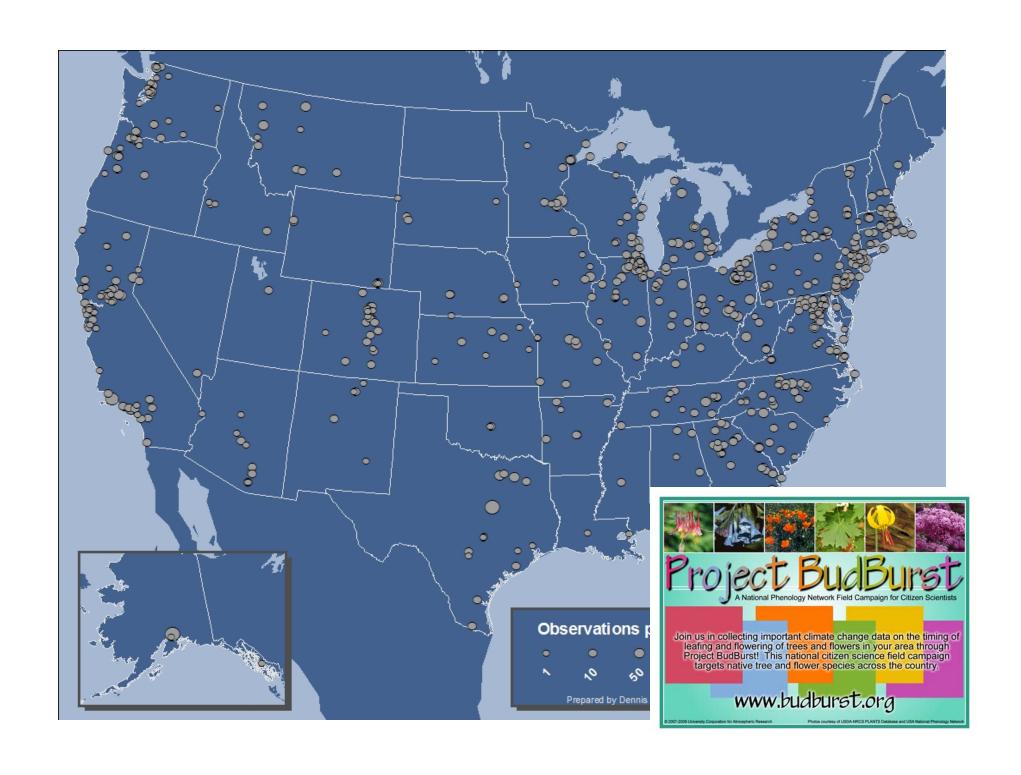
Dana Pausauskie, SOARS



Marvin Bald Eagle Youngman, Anishanabe



to understand how climate change has influenced and will effect the life-cycle of culturally important plants



How can informal science education push the boundaries of citizen engagement in science and move toward participatory science?

