Interdisciplinary Research Teams

Alaska NSF EPSCoR (Established Program to Stimulate Competitive Research) builds Alaska’s scientific capacity by engaging in research and education projects supported by the state of Alaska and the National Science Foundation.

Leadership Competencies

Project managers and leaders from the NSF EPSCoR community participated in a group concept mapping exercise, through which they developed a map of the competencies needed to effectively manage large and complex team science programs. While there is an existing body of knowledge pertaining to the field of “project management” within professional organizations and degree programs, participants found project management skills to be only one of five critical elements of effective team science management. They also identified four other conceptual groupings as important components of a competency framework: shared leadership, personal competence, social competence, and communication.

Visualization Space

Built in 2016, Vis Space is an interactive, high-resolution visual environment designed to enable discussions and decision-making by policymakers, researchers, and industry leaders. There is a growing need for such environments stemming from advances in visualization technology; data sets of unprecedented size; an increasing need for team approaches to complex research and policy questions; and a growing acknowledgement of the importance of visual stimuli to fully engage the decision-making capacity of the human brain.