Projects and ActivitiesThu Mar 28 04:49:11 HST 2024

Name	Pacific Islands Climate Education Partnership (PCEP)
Capability Area: Variability/Changes	- Understanding Climate Variability and Change - Training and Capacity Building, Education, Outreach
Capability Area: Impacts/Adaptations	- Understanding Climate Impacts and Informing Adaptation - Climate Adaptation - Training and Capacity Building, Education, Outreach - Decision Support Tools
Sectors	- Public Health and Safety - Fresh Water Resources - Energy - Transportation/Communication and Commerce - Community Planning and Development - Social and Cultural Resources - Agriculture and Fisheries - Recreation and Tourism - Ecosystems
Status	- Ongoing
Focus Area	- Fresh Water Resources and Drought - Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience - Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - State Of Hawaii - Western North Pacific - CNMI - FSM - Guam - Palau - RMI - South Pacific - American Samoa

Description	Funded by the National Science Foundation (NSF), the Pacific Islands Climate Education Partnership (PCEP) has developed a detailed strategic plan to collaboratively improve climate knowledge among the region's students and citizens in ways that exemplify modern science and indigenous environmental knowledge, address the urgency of climate change impacts, and honor indigenous cultures. Students and citizens within the region will have the knowledge and skills to advance understanding of climate change, and to adapt to its impacts. Core PCEP partners contribute expertise in climate science, the science of learning, the region's education infrastructure, and the region's cultures and indigenous knowledge and practices. PCEP's interactive web-based environment interlinks the region's locations, organizations and people with information about climate science and climate impacts. This system enables the region's diverse stakeholders to access and contribute to the same information pool. This web-based environment both supports the development of PCEP resources such as the CEF and their continuing evolution and dissemination.
Objectives/Outcomes	(i) A Climate Education Framework (CEF) that focuses on the content and skills necessary for understanding the science of global and Pacific island climates, as well as the adaptation to climate impacts in the USAPI region. The CEF is updated annually to reflect new scientific knowledge, and gathered indigenous knowledge and practices. The CEF also will have addenda in seven Pacific languages that assist educators in learning about and teaching concepts and practices in the CEF for each grade span. (ii) Protocols for gathering indigenous knowledge for use in teacher professional development, community-school partnerships and for integration into the CEF. Local indigenous knowledge and practices gathered using the protocols and validated in the region. (iii) A college-based Climate Education Certificate Program for credit to increase educators' science, technology, engineering and mathematics (STEM) pedagogical content knowledge and skills about climate science and adaptation. (iv) Professional learning programs provided by project partners that increase teachers' STEM pedagogical content knowledge and skills about climate science and adaptation. (v) Identification, modification and dissemination of curricular materials that focus on climate science content and adaptation skills that incorporate learning strategies relevant to USAPI communities. (vi) Community-school partnerships that support project-based learning activities that strongly connect community adaptation planning and implementation with teaching and learning about climate in K-14 schools.
Lead Agencies	Pacific Resources for Education and Learning, WestEd, University of Hawaii, College of the Marshall Islands
Contacts	Sharon Nelson-Barber, nelsons@prel.org Art Sussman, asussma@wested.org Chip Fletcher, fletcher@soest.hawaii.edu Don Hess, cmihess@grmail.com
Partnering Agencies	(i) The ministries or departments of education in each of the USAPI entities – inform and support the implementation of the PCEP strategic education plan. (ii) Universities and community colleges across the region – inform and support the implementation of the PCEP strategic education plan. (iii) Nonprofit organizations and networks throughout the region that have a focus related to climate, climate change impacts, and adaptation strategies – inform and support the implementation of the PCEP strategic education plan.

Required Resources	Funding from the National Science Foundation. Any supplemental funding to expand and sustain the work.
Projected Timelines	September 2012 through August 2017
Feedback/Evaluation	Project includes a variety of formative and summative evaluation instruments coordinated and implemented by the outside evaluator, Mekinak Consulting.
Url	http://pcep.dsp.wested.org