



CENTER FOR WATER RESOURCE SUSTAINABILITY

SERVES TO:

- ✓ Conduct research on water resources-related issues in Hawai'i and the U.S.-affiliated Pacific Islands
- ✓ Facilitate access to interdisciplinary expertise within the university to enhance understanding of water issues

RESULTING IN:

The use of data and science based evidence to inform management and policy decision-making on water quality, quantity, wastewater management, and infrastructure best practices



The Center for Water Resource Sustainability partners with the University of Hawai'i at Mānoa Water Resources Research Center (WRRC) which Hawai'i Sea Grant has been administering since 2013.

For **MORE THAN 50 YEARS**, the WRRC has been conducting research, education, and outreach addressing the unique water and wastewater management problems and issues in Hawai'i and the Pacific.



THE WRRC IS ONE OF **54** WATER RESOURCES RESEARCH INSTITUTES NATIONWIDE, INCLUDING PUERTO RICO, THE U.S. VIRGIN ISLANDS, AND GUAM IN COOPERATION WITH THE U.S. GEOLOGICAL SURVEY.

The Center for Water Resource Sustainability facilitates access to interdisciplinary expertise within the university to enhance understanding of environmental problems and to identify effective solutions.

SIGNATURE PROJECTS

NATIONAL SCIENCE FOUNDATION EPSCoR PROJECT

Hawai'i Sea Grant is a collaborator on 'Ike Wai, a **\$20 MILLION DOLLAR** National Science Foundation award to the University of Hawai'i (UH) System to engage in a five-year study of water sustainability issues.



The project brings together a team of hydrologists, geophysicists, modelers, volcanologists, engineers, visualization experts, social scientists, cultural experts, and educators.

SEVEN new faculty in the UH system will be hired to specifically focus on the 'Ike Wai project.

INCREASING ACCESS TO SAFE DRINKING WATER ON HAWAI'I ISLAND



Tens of thousands of residents do not have access to municipal water and must rely on **rainwater catchment** for their potable water needs.

HAWAI'I ISLAND



Hawai'i Sea Grant conducted **11** workshops on Hawai'i Island on rainwater catchment system components, maintenance, and waterborne diseases.

More than **3,000** people were reached and **10,000** water testing kits were distributed.



DID YOU KNOW?

Fresh water, or **wai**, played an integral role in Hawaiian culture and was believed to be sacred. Several words in the Hawaiian language make reference to the value of water. **Waiwai** refers to abundance or wealth, and the Hawaiian word for law, **kanewai**, means "sharing water equally."

From the *Rainfall Atlas of Hawai'i* it can be estimated that 2 billion gallons of water in the form of rain falls each day in the state of Hawai'i.