



Projects and Activities Tue Sep 25 02:57:18 HST 2018

<b>Name</b>	Developing a DST for Understanding Impacts of Climate Change and Invasive Species on Watershed Function and Aquatic Habitat Quality
<b>Capability Area: Impacts/Adaptations</b>	<ul style="list-style-type: none"> <li>- Understanding Climate Impacts and Informing Adaptation</li> <li>- Climate Adaptation</li> <li>- Training and Capacity Building, Education, Outreach</li> <li>- Decision Support Tools</li> <li>- Policies and Legislation</li> </ul>
<b>Sectors</b>	<ul style="list-style-type: none"> <li>- Fresh Water Resources</li> <li>- Ecosystems</li> </ul>
<b>Status</b>	- Ongoing
<b>Focus Area</b>	<ul style="list-style-type: none"> <li>- Fresh Water Resources and Drought</li> <li>- Marine and Terrestrial Ecosystems</li> </ul>
<b>Regions</b>	<ul style="list-style-type: none"> <li>- Central North Pacific</li> <li>- State Of Hawaii</li> </ul>
<b>Description</b>	We are working with to develop a user-friendly decision support tool that will identify what, where and when specific management actions are needed to increase the resilience of Pacific Island landscapes. We have fully parameterized and calibrated a Distributed Hydrology, Soils, Vegetation Model (DHSVM), which we have used to model how various climate and invasive species scenarios will impact water yield.
<b>Lead Agencies</b>	USFS, University of Hawaii at Manoa, Hawaii State Division of Aquatic Resources, Kamehameha Schools
<b>Contacts</b>	Rich MacKenzie, <a href="mailto:rmackenzie@fs.fed.us">rmackenzie@fs.fed.us</a>
<b>Partnering Agencies</b>	PICCC
<b>Projected Timelines</b>	2011-2013