



Projects and Activities Fri Apr 19 11:35:17 HST 2024

Name	Management of Critically Endangered Dry Forest Ecosystems: A Quantitative Modeling Approach Incorporating Landscape Ecology, Fire Fuels Information and Geospatial Products
Capability Area: Variability/Changes	<ul style="list-style-type: none"> <li>- Understanding Climate Variability and Change</li> <li>- Projections (modeling and downscaling)</li> </ul>
ECV	<ul style="list-style-type: none"> <li>- Surface (e.g., temp, precip, wind)</li> <li>- (e.g., surface water, glaciers and ice caps, land cover, biomass)</li> </ul>
Timeframe	- Multi-decadal (scenarios)
Status	- Ongoing
Focus Area	- Marine and Terrestrial Ecosystems
Regions	<ul style="list-style-type: none"> <li>- Central North Pacific</li> <li>- State Of Hawaii</li> </ul>
Description	We will model plot-based information on fuel loading, restoration treatments, and plant communities to the landscape level. This will allow us to develop scenario modeling based on land management goals (i.e., restoration of threatened and endangered habitat, fire prevention, and/or combinations of any or all of the above) and threats (invasive species, climate change, land-use change). Allows us to estimate potential fire behavior under a variety of restoration and/or climate change scenarios.
Lead Agencies	USFS, UH Manoa, DoD, CEMML, Carnegie Institution
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Partnering Agencies	PICCC
Projected Timelines	2010-2014