

Pacific Islands Climate Science Center

presents the Pacific Climate Science Webinar Series

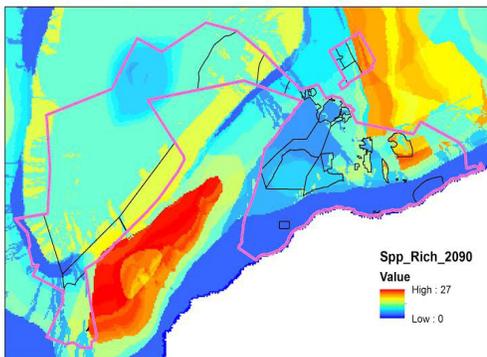
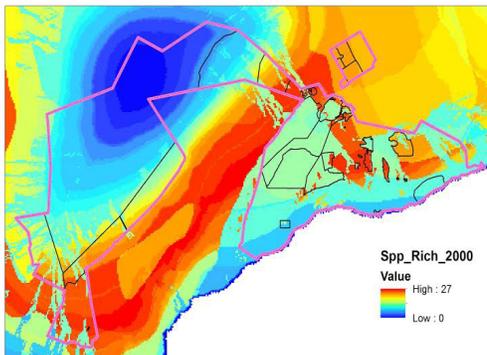
Impacts of projected climate change effects on vegetation management strategies in Hawai'i Volcanoes National Park

with **James Jacobi**¹ and **Richard Camp**²

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Go to
WEBINAR



Maps: Species richness values for two time periods (2000 and 2090). "Hot" colors denote higher species richness and "cool" colors denote lower species richness. Hawai'i Volcanoes National Park boundaries are outlined in purple.

Wednesday, December 9 at 11:00 HST

[1 PM PST/ 4 PM EST/ 9 PM UTC/December 10, 7 AM ChST]

Climate change is expected to alter the seasonal and annual patterns of rainfall and temperature in the Hawaiian Islands. This is a major concern for resource managers at Hawai'i Volcanoes National Park (HAVO) where current preserves for listed species may no longer provide suitable habitat in the future as climate changes. Expanding invasive species' distributions also may pose a threat to areas where native plants currently predominate, thereby requiring additional management action.

The objective of this project is to combine recent climate modeling over the state of Hawai'i with existing models of plant species distribution to forecast suitable habitat distributions under future climate conditions. We present our findings of acceptable habitat in terms of change relative to present conditions for 39 species of interest, both native and invasive, to HAVO resource managers. Our findings forecast where native and invasive species distributions are likely to expand or contract within HAVO and how those distributions align with current protected areas and "hotspots" of species richness.

Webinar and Call-in Information

Jacobi Climate change impacts on vegetation management in Hawaii
Meeting Number: 717 785 101, no password

About 10 minutes before it is time for the meeting...

1. Go to <https://usgs.webex.com/usgs/j.php?MTID=mf5c0da2f63d2f-23588216720fee2fdf5>

2. If requested, enter your name and email address.

3. To hear the speaker, you must call the teleconference:

Call 855-547-8255 plus 71487# when prompted

