



Against All Odds: Protecting Hawaii's Endangered Forest Birds from Invasive Species and other Climate-Related Impacts

Climate change threatens to facilitate the upward expansion of invasive mosquitoes carrying the avian malaria parasite into native montane forest. Without interventions, iconic Hawaiian forest bird species face extinction

Threats to Forest Birds

- Warming temperatures
- Decreased precipitation
- Transmission of avian malaria parasite at higher elevations
- Reduced genetic diversity
- Increase incidences of Rapid Ohia Death
- Implications for human health

Potential Interventions

- Adapt to climate change
- Developing regulatory pathways for interventions
- Eliminate disease vectors
- Increase public/private partnerships
- Promote public awareness
- Creative funding streams

Community support garnered through public outreach can help to raise awareness

**"Alone we can do so little;
together we can do so much."
~Helen Keller**

