

Postdoc: Island restoration following invasive mammal eradication

Description

The postdoctoral associate will join a NASA-funded project overseen by Professors James Gibbs and Brad Cosentino, in collaboration with Island Conservation, SUNY-ESF, and Hobart and William Smith Colleges. The general goals of the project are to examine ecosystem impacts of invasive mammal removal from islands and develop a decision support tool for stakeholders planning future mammal eradications. The postdoc's responsibilities will be to 1) apply intervention time series analysis to evaluate effects of mammal eradications on remotely sensed ecosystem indicators (e.g., canopy cover, biomass, NDVI) and field-based biodiversity indicators (e.g., wildlife abundances), 2) contribute to the development of a decision support tool that includes trend analysis of earth observations with maps to identify areas of significant vegetation change, and 3) lead publications on ecosystem and biodiversity outcomes of eradications and implications for management and decision-making.

This is a remote position with an 18-month appointment. Compensation is \$65,000-70,000 annual salary with benefits.

Qualifications

Required qualifications:

- PhD in ecology or related field
- Strong communication skills and ability to work collaboratively
- Strong data management, analysis, and coding skills in R
- Strong writing skills and record of publishing research

Desirable qualifications:

- Experience with time series analysis
- Experience working with remotely sensed vegetation data and climate modeling in the context of invasion biology or restoration ecology
- Familiarity with causal inference
- Familiarity with structural decision making for natural resource management

Start date

August-December 2024

To apply

Applicants should email a single PDF including 1) a cover letter describing their experience and qualifications for the position, 2) a curriculum vitae, and 3) contact information for three references to cosentino@hws.edu. Questions can be addressed to Brad Cosentino (cosentino@hws.edu). Review of applications will be on a rolling basis.