

**ARIZONA STATE UNIVERSITY**  
**An Equal Opportunity/Affirmative Action Employer**

**POSITION DESCRIPTION:**

Postdoctoral Research Scholar in Ecological Carbon Modeling

**Overview:**

The Center for Global Discovery and Conservation Science (GDCS) at Arizona State University (ASU) seeks applications for a Postdoctoral Research Scholar with an anticipated start date as early as March 9, 2020. The full-time, non-tenure-track, benefits-eligible, fiscal year (July 1 – June 30) position is for one year. Extensions may be possible contingent upon satisfactory performance, availability of resources and the needs of the university.

The postdoctoral research scholar will conduct research on a USDA Forest Service-sponsored award involving carbon neutrality for the state of Hawaii.

The position will be housed at GDCS's facility inside the Institute of Pacific Islands Forestry (IPIF) in Hilo, Hawaii. The successful candidate will work closely with researchers on a carbon neutral landscapes working group that includes Drs. Greg Asner (ASU), Christian Giardina (USDA FS), and Zhiliang Zhu (USGS).

**Job Description:**

GDCS is seeking to fill one Postdoctoral Research Scholar appointment that will contribute to ongoing investigations of quantitative ecology/ecosystem modeling to develop modeling approaches that support pathways to regional scale carbon neutrality throughout the Hawaiian Islands.

**Essential Duties:**

- Develop modeling approaches that support pathways to regional scale carbon neutrality throughout the Hawaiian Islands.
- Leadership and participation in generating peer-reviewed publications, reports, and presentations.
- Participation in outreach with environmental management professionals.

**Minimum Qualifications:**

- A Ph.D. in ecology, ecological economics, geography, sustainability science, or a related field by the time of appointment.
- Experience with combining multiple data sources into models directly applicable to the management of environmental carbon sources and sinks.
- Demonstrated verbal and written communication skills (in English)
- Strong quantitative, modeling and coding skills.

**Desired Qualifications:**

- Strong statistical, computer programming and spatial analysis skills
- Experience working with diverse collaborators and in a working group environment.

- Experience with remote sensing and modeling methods to evaluate the natural, agricultural and societal sources and sinks for atmospheric greenhouse gases.

**To Apply:**

Initial deadline for accepting applications is January 17, 2020. If not filled, reviews will occur every week thereafter until the search is closed. To apply, candidates must submit the following materials online at <http://apply.interfolio.com/72664>.

- A Statement of Research Interests (not to exceed 2 double-spaced pages);
- A complete Curriculum Vitae including a list of publications.
- Contact information for three references (including name, phone number and email)

This is a paperless search, and only materials submitted electronically as outlined above will be considered. Questions related to the search may be addressed to Professor Greg Asner ([gregasner@asu.edu](mailto:gregasner@asu.edu)).

A background check is required for employment.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

<https://www.asu.edu/aad/manuals/acd/acd401.html>. <https://www.asu.edu/titleIX>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.