

Job: Postdoctoral Opportunity: Global Climate or Carbon-cycle Modeling

Department: [DGE – Global Ecology](#)

Salary: Salary is competitive, determined based on experience.

Location: Stanford, CA

Postdoctoral Opportunity: Global Climate or Carbon-cycle Modeling

Carnegie Institution for Science Department of Global Ecology on the Stanford campus.

We are seeking an outstanding postdoctoral researcher who can lead scientific research projects using global atmospheric general circulation models and/or coupled atmosphere-ocean models. We currently use the NCAR CESM family of models as our primary climate modeling tool, so familiarity with this model would be a plus, but is not required. Your focus could be on the atmosphere, land, or ocean, or some combination of these domains. We are flexible with regard to your domain of expertise.

Our group seeks to improve both theoretical and applied understanding of both the response of the climate system to various types of forcing, and the strategies that could potentially be applied to reduce climate damage (e.g., mitigation, adaptation, solar geoengineering). We are interested in both physics and biogeochemistry, and also impacts of global change.

The successful candidate will be flexible and have broad interests, and will play a leading role in planning and executing investigations, working in a diverse group that will include climate modelers, energy-system analysts, and field researchers. We are looking to develop an exciting collegial atmosphere with a lot of personal freedom, wherein each group member both leads research projects and collaborates on projects led by others. However, we would like the new hire to use CESM as a primary modeling tool. Most of our post-processing is done in python, often using cdat (Climate Data Analysis Tools).

The position is available now, and we are flexible with regard to start dates. The initial term will be for one year with the potential for renewal for up to a maximum of four years. The position will involve working with Ken Caldeira at the Carnegie Institution for Science Department of Global Ecology on the Stanford University campus. Carnegie Institution post-docs have access to most Stanford facilities.

Achievement in the area of scientific publication is the primary filter determining which applications receive greater consideration.

Informal inquiries about this position can be made by emailing Ken Caldeira at <kcaldeira@carnegiescience.edu>, however applications for employment can be considered only through the employment webpage at : <https://jobs.carnegiescience.edu/jobs/postdoctoral-opportunity-global-climate-or-carbon-cycle-modeling/>

The Carnegie Institution is an equal-opportunity employer and does not discriminate based on race, sex, age, physical condition, or country of national origin.