

## **Job Title: Postdoctoral scientist: Anthropogenic carbon emissions**

**School of Life Sciences  
Arizona State University  
Tempe, Arizona**

This postdoctoral position will perform research on quantification and analysis of fossil fuel CO<sub>2</sub> emissions at fine space/time scales in the North American domain. Working with the “Vulcan” and Hestia emissions data products (vulcan.project.asu.edu; hestia.project.asu.edu), the postdoctoral scientist will expand, improve and extend the emissions data products and analyze the emissions in conjunction with North American <sup>14</sup>CO<sub>2</sub> monitoring and atmospheric transport modeling. The position requires a knowledge combination of carbon biogeochemistry, data mining, and numerical modeling. The position will require collaboration with colleagues at the National Oceanic and Atmospheric Administration among others.

Candidates must have received a PhD in the geosciences or a field related to position (eg. Ecology, GIS/Geography, Civil Engineering) from an accredited college or university. The applicant will be expected to publish peer-reviewed journal articles and effectively communicate with a wide range of physical and social scientists.

Necessary skills: geospatial statistics, large codebase management and programming (eg. R, SQL). Desired skills: experience with GIS and spatial mapping/analysis, air quality experience, experience in carbon accounting/footprinting, energy supply/demand analysis, systems engineering.

Given the multidisciplinary nature of the research, a highly self-directed, creative and self-motivated individual is sought. The position is a fulltime appointment with an anticipated start date between 4/1/2017 and 8/31/2017. The appointment will be made initially for one year with possibility of extension for additional years. Salary range is \$50,000-\$55,000 dependent on experience, with associated University benefits.

Applicants should send a cover letter describing their research experience and interests, a curriculum vita, and arrange for three reference letters sent to (email or surface mail): Prof. Kevin Gurney, School of Life Science, Arizona State University, PO Box 874501, Tempe, AZ, 85287-4501. kevin.gurney@asu.edu (email preferred).

The initial closing date for receipt of applications is February 1, 2017; applications will be reviewed weekly thereafter until the search is closed.

A background check is required for employment. Arizona State University is an equal opportunity/affirmative action employer committed to excellence through diversity. Women and minorities are encouraged to apply. For additional information on this position and the School of Life Sciences, please visit <https://sols.asu.edu/resources/employment>.