Job Title: Postdoctoral scientist: Anthropogenic carbon emissions

School of Informatics, Computing and Cyber Systems
Northern Arizona University
Flagstaff, Arizona

Join an exciting Northern Arizona University research team (gurneylab.nau.edu) in beautiful Flagstaff, Arizona doing cutting-edge research on the carbon cycle and climate change. This postdoctoral position will perform research on quantification and analysis of fossil fuel CO$_2$ emissions at fine space/time scales in the North American domain. Working with the “Vulcan” and “Hestia” emissions data products (vulcan.rc.nau.edu; hestia.rc.nau.edu), the postdoctoral scientist will expand, improve and extend the emissions data products and analyze the emissions in conjunction with satellite, ground-based monitoring and modeling. Projects are ongoing at both the national and urban scale. The position intersects the disciplines of carbon cycle science, spatial analysis, informatics, and emissions accounting.

Candidates must have received a PhD in a field related to position (eg. Informatics, GIS/Geography, Civil Engineering, Ecological/Environmental Sciences) from an accredited college or university. The applicant will be expected to publish peer-reviewed journal articles and work in a team environment, effectively communicating with a range of physical and social scientists.

Necessary skills: geospatial statistics, experience with GIS and spatial mapping/analysis, experience with R programming, strong numerical analysis ability. Desired skills: carbon accounting/footprinting experience, experience using remote sensing products/software.

Given the multidisciplinary nature of the research, a highly self-directed, creative and self-motivated individual is sought. The position is a full-time appointment with an anticipated start date between 7/1/2019 and 11/1/2019. The appointment will be made initially for one year with possibility of extension for additional years. Salary range is $45,000-$55,000 dependent on experience, with associated University benefits.

Applicants should apply online at https://in.nau.edu/human-resources/current-job-openings/, job number 604321. It is helpful if interested candidates send a cover letter describing their research experience and interests, a curriculum vita, and arrange for three reference letters sent to: Prof. Kevin Gurney, kevin.gurney@nau.edu.

The initial closing date for receipt of applications is June 1, 2019; applications will be reviewed weekly thereafter until a suitable candidate is hired.

A background check is required for employment. Northern Arizona University is an equal opportunity/affirmative action employer committed to excellence through diversity. Women and minorities are encouraged to apply.