Environmental impacts of land use change Postdoctoral scientist

Position summary:

The Environmental Science Division of Argonne National Laboratory seeks a post-doctoral researcher to study environmental impacts of land use change in a US DOE funded project. The project comprises a multi-disciplinary team including soil scientists, life-cycle analysts, and ecosystem modelers. We seek a scientist who is interested in agroecosystem modeling, excited about field observations, and values interacting with experimentalists and modelers of different disciplines. The successful candidate will study the biomass removal impacts on soil properties and model the total environmental impacts of bioenergy crops (both native and engineered) using field observations and agroecosystem and/or land surface models.

Position requirements:

• Harmonize and manage large soil profile and geospatial environmental datasets
• Conduct statistical analysis and agroecosystem modeling for a variety of land use and climate change scenarios.
• Test model structures and parameters, and develop new model capabilities.
• Publish research results and give presentations at scientific meetings.
• Contribute to grant proposals and progress reports.

Qualifications and Experience: Candidates should hold a recent PhD in soil science, ecology, earth system modeling or environmental science. The successful candidate will have expertise in soil/agroecosystem biogeochemical modeling, data analysis applying robust statistical techniques, strong writing skills, good communication skills, and demonstrated ability to work independently and in a team environment.

To be considered, please provide (1) a curriculum vitae, (2) one relevant publication, (3) a one- or two-page cover letter briefly describing how your background meets the position requirements, and (4) contact information for three references. The position is available from Sep 1st and will remain open until filled.

This is a full time, 1 year, postdoctoral appointment with the possibility of renewal based upon satisfactory job performance and continuing availability of funds.

How to apply

Apply directly online at https://www.anl.gov/careers/apply-job/postdoctoral-applicants (requisition number: 404429) and follow the on-line instructions to complete the application process.