

## **Michigan State University postdoc opportunity in carbon cycle science**

The Michigan State University Department of Geography, Environment, and Spatial Sciences and Center for Global Change and Earth Observation (CGCEO) are pleased to announce a postdoctoral position in Socioecological carbon production in managed agricultural-forest landscapes.

Successful candidates will possess and demonstrate relevant interest and skills in one or more of the following topics: (1) Bottom-up scaling of landscape C fluxes from eddy covariance measurements; (2) Top-down estimates of C fluxes from a land surface model (the Community Land Model); (3) land cover remote sensing across multiple sensors; (4) socioecological analysis of managed landscapes including life cycle analysis and structural equation modeling.

Successful applicants will play a significant role in research funded by the NASA Carbon Cycle Science program. This work focuses on understanding the quantitative contributions of land cover change, specific management practices, and climate changes to the social and physical C fluxes of managed ecosystems, with an initial focus on the Kalamazoo River watershed in Michigan. Strong candidates will have experience with collaborative interdisciplinary work.

If you have questions about these positions please contact Dr. Jiquan Chen ([jqchen@msu.edu](mailto:jqchen@msu.edu)) and/or Dr. Kyla Dahlin ([kdahlin@msu.edu](mailto:kdahlin@msu.edu)). For more information about our groups check out the LEES Lab (<http://lees.geo.msu.edu/>) and the ERSAM Lab (<http://www.msu.edu/~kdahlin>) webpages.

Successful applicants will be expected to participate in frequent group project meetings and weekly one-on-one work progress meetings with Dr. Chen and/or Dr. Dahlin. The submission of at least one first authored paper addressing or strongly synergistic with core project objectives per year of the postdoc and participation in additional multi-author publications is expected. Reappointment for as many as two years may be possible subject to performance and funding availability. The successful candidate is required to have a PhD in environmental science, geoscience, geographic information science, urban planning, ecology, or a related field. Candidate must be capable of performing field surveys in rough outdoor terrain, capable of lifting up to 50 lbs., and climbing ladders. Safety training will be provided if necessary. Valid driver's license.

Submit materials to [jobs.msu.edu](http://jobs.msu.edu) (#4841 – <https://jobs.msu.edu/applicants/Central?quickFind=69850>), consideration will begin on March 31, 2017. The application should be uploaded as a single PDF with a (i) one to two-page cover letter and statement of career objectives and research synergies with C cycle science in managed landscapes; (ii) a full current CV; (iii) the names, positions, and contact information for three reference writers; and (iv) one published or submitted manuscript with primary authorship by the applicant.

MSU is an equal opportunity employer. The Department of Geography, Environment, and Spatial Sciences, the CGCEO, the LEES Lab and the ERSAM Lab are all committed to promoting diversity in research.