Post-Doctoral Fellow in Carbon Cycle Science

An 18-month post-doctoral position is available to work on a new, collaborative Urban Long Term Research Area Ecology (exploratory award) to study the carbon metabolism of Boston, MA. The post-doc will work with the PIs (from Boston University, Massachusetts Institute of Technology, Harvard University, and Northeastern University and the US Forest Service) to develop an integrated measurement and analysis framework for carbon exchange on an urban-to-rural gradient from Boston to the rural Harvard Forest Long Term Ecological Research Site. This project will combine ground-based measurements of carbon exchange and energy flows with socioeconomic, meteorological and satellite measurements and models to characterize the urban carbon metabolism. This analytical framework will then be used to forecast impacts on carbon exchange due to future land use change and urban growth scenarios and provide policy makers with specific and relevant information to align urban growth planning with sustainability goals. The post-doc will be based at Boston University, but interact heavily with all the PIs and partner institutions.

Qualifications: Ph.D. in terrestrial ecology, atmospheric sciences, biogeochemistry, physical geography, or other related fields should be either in hand or anticipated by February 1, 2010. The successful applicant should be able to show evidence of research productivity and an interest in interdisciplinary research. Applicants should have experience in some of, and interest in all of, the following: carbon cycle science, statistics (time series and geospatial), modeling, remote sensing, plant ecophysiology, economics, planning, and transportation systems. Superb writing and organizational skills are also required.

To apply: Send a CV, a one-page statement of your research interests, one relevant example publication or manuscript, and names of 3 references (all as PDF attachments) to Lucy Hutyra (lrhutyra@bu.edu) no later than December 1, 2009.