Post-doctoral or Grad RA Position: Modeling Land-water Carbon Dynamics in North Temperate Landscapes

We seek a 2-yr post-doctoral research associate or a motivated PhD student to join an interdisciplinary team associated with the North Temperate Lakes LTER site, University of Wisconsin-Madison, studying hydrological and biogeochemical processes in complex landscapes in northern Wisconsin. The position will focus on modeling the linkages between lakes and forests as they affect transfers and transformations of carbon. We are especially interested in carbon dynamics associated with succession and land-use patterns and the reciprocal exchanges of carbon between forests and lakes. This work will interface with a recently developed spatial model of hydrological flows as well as a detailed model of in-lake carbon dynamics. The researcher will collaborate with Professors Steve Carpenter, Monica Turner and Jonathan Foley along with other scientists at UW-Madison. Experience in simulation modeling, ecosystem ecology and landscape analysis is required. We strongly encourage applicants with demonstrated experience in synthesizing information from different disciplines. Candidates with strong analytical skills, plus excellent communication, writing and collaborative skills are especially welcome.

The position would begin in January 2007, or at another mutually agreed date. Candidates should send their CV, a sample of representative publications, a one-page statement of research interests, and the names and contact information of three references. Applications will be reviewed beginning November 1, 2006 and will continue until a suitable candidate is found. Application packages (electronic only) may be sent to Denise Karns: dkkarns@wisc.edu.

The University of Wisconsin–Madison is an equal opportunity employer, and is strongly committed to enhancing the diversity and quality of its faculty, staff and student body. Women and minority candidates are especially encouraged to apply.