UMBC

POST DOCTORAL POSITION IN ENVIRONMENTAL SOCIAL NETWORKS and SURVEY METHODS RESEARCH

A post-doctoral associate position is available starting in June 2023 at the Center for Urban Environmental Research and Education (CUERE) at the University of Maryland Baltimore County (UMBC). The selected candidate will be expected to work closely with UMBC/CUERE collaborators on a new DOE project, "The Baltimore Social-Environmental Collaborative Integrated Field Laboratory" (BSEC, https://21cc.jhu.edu/research/baltimore-social-environmental-collaborative-ifl/), led by Johns Hopkins University. The principal project collaborator for this position is the USDA Forest Service, Baltimore Field Station, located in UMBC's Research Park adjacent to campus. The successful candidate will report to the Baltimore Field Station.

The project focuses on long-term, local environmental stewardship organizations and residents' interactions with their yards and neighborhoods. This project will builds upon the USDA Forest Service's (1) Stewardship Mapping and Assessment Project (or "STEW-MAP", https://www.nrs.fs.usda.gov/STEW-MAP/), and (2) the Baltimore Ecosystem Study's (BES, https://baltimoreecosystemstudy.org/) long term household survey. STEW-MAP has investigated environmental organization's characteristics, networks, and spatial characteristics since 2011. The long term household survey has focused on the Baltimore region, its neighborhoods and its households since 1999. The household survey investigates environmental perceptions, attitudes, and behaviors and was formerly conducted via telephone. This project will repeat these two surveys and analyze results in a time-series, long term context.

Interested applicants should have knowledge of fundamental social science theories and methods, and experience in leading research projects, including conducting, analyzing and communicating original research (including a record of publication in scientific journals). We are particularly interested in potential applicants who have demonstrated ability to work with (1) ecological scientists to address linked social-ecological issues and topics involving environmental stewardship organizations, their governance arrangements, and their networks, (2) practitioners to co-design and co-produce research; and (3) social-ecological data synthesis and spatio-temporal data analyses. We are seeking candidates experienced with survey methods, conducting statistical analyses in R or similar, and strong network analysis skills. Expertise in Geographic Information Systems and spatial analyses is desirable but not required.

A Ph.D. is required, with preference for candidates having a background in environmental sociology, governance networks, urban geography.

Review of applications will begin on March 3, 2023 and will continue until the position is filled. Interested candidates should send a cover letter highlighting their relevant experience and research interests, curriculum vitae, a list of three references, and copies of 1 or 2 publications as a single pdf file to: Dr. Claire Welty, Director, Center for Urban Environmental Research and Education, University of Maryland Baltimore County, 1000 Hilltop Circle, TRC 102, Baltimore, MD 21227, weltyc@umbc.edu.

UMBC is an affirmative action/equal opportunity employer.