



CUAHSI

Post Doctoral Position

Northeast Consortium for Hydrologic Synthesis

The newly formed *Northeast Consortium for Hydrologic Synthesis* represents a broad cross-section of faculty, post-doctoral fellows and students in the hydro-sciences, and affiliated water policy and management sectors, dedicated to addressing "The 500-Year Challenge" -- to understand the role of humans in shaping the character of hydrologic systems across the Northeast Corridor from year 1600 to 2100.

To explore this challenge, the effort seeks a post doctoral associate to collaborate on synthesis research. The position will involve the development of innovative quantitative perspectives based on one or more of the following: modeling, data integration, geospatial analysis, or other techniques. This research will explore the mechanisms of changing regional hydrosystems responding to various anthropogenic transformations (climate, land use, population, hydrologic engineering; see *Eos AGU Transactions* 85: 509, 513-14). The position will involve close interaction with a synthesis Working Group drawn from several collaborating institutions to study regional watersheds and hydro-system dynamics, emphasizing the role of humans and serving as a test-bed for ideas on how to optimally execute synthesis. This position is supported for a 3-year period by a research grant from the National Science Foundation (NSF) and will enable the successful candidate to work within the context of a major national effort to forward hydrological sciences under the aegis of the *Consortium of Universities for the Advancement of Hydrological Science (CUAHSI)*.

The position requires creativity and a systems-level perspective on integrative water science. The successful applicant will be deeply engaged in new modes of Earth System scholarship and team-based research. We are looking for applicants who will value this opportunity and will energetically contribute to the Consortium's success. The position will be based from *City College of New York/CUNY*, under the supervision of Professor C. J. Vörösmarty.

Qualifications: A recent PhD in hydrology or its allied fields: Earth System Science, Biogeochemistry, Engineering, Ecology, Environmental Economics or History, or Geography. Candidates should be strong quantitative thinkers and have an ability to think "outside-of-the box".

Applications should include a curriculum vita, research statement, and three references, and be submitted at www.rfcuny.org/RfWebsite/. Further information about the project is available at www.htwc.unh.edu; questions about the position can be sent to synthes@ce.cuny.cuny.edu. The position closing date is June 1st but will remain open until a suitable candidate is identified. The City University of New York is an Equal Employment Opportunity/Affirmative Action/Immigration Reform and Control Act/Americans with Disabilities Act Employer.