

**Postdoctoral Research Associate –
Hydroclimatology - Mountain Hydrology Laboratory School of Natural Resources, West Virginia University**

The Mountain Hydrology Laboratory in the School of Natural Resources at West Virginia University seeks applicants for a Postdoctoral Research Associate position to investigate climate change impacts on freshwater ecosystems in the Appalachian Mountains region of the eastern US. The area of research will be focused on intensification of the hydrologic cycle and quantifying feedbacks between land cover, climate, and hydrology from stream reach to regional scales. This position is part of the NSF-funded Appalachian Freshwater Initiative (AFI), an exciting new multidisciplinary project that aims to understand the complex interactions between society, climate, and mountain ecosystems in the region.

The ideal candidate must have a:

- Ph.D. in climate-related science with a strong background in hydrological sciences with proven list of deliverables (peer-reviewed publications, derived products).
- Demonstrated strong programming skills (Python, Fortran, Shell scripting) on multiple platforms (Unix/Linux, Mac); strong experience working with NetCDF processing programs (NCO, CDO) and large spatial datasets using GrADS or NCL.
- Advanced proficiency in communicating scientific findings in peer-reviewed journals and professional meetings (AGU).
- Willingness and ability to conduct independent research while contributing to a larger, multidisciplinary team of earth and social scientists.

The successful candidate will serve as the climate scientist on a team comprised of hydrologists, ecologists, engineers, and behavioral scientists. The successful candidate's responsibility will be to develop high-resolution historic and future ensemble climate datasets for hydrologic and ecosystem modeling applications; to develop and conduct research exploring land-atmosphere controls and feedbacks on the regional water cycle; to develop additional projects building on the strengths, interests, and expertise of the candidate; and to publish in peer-reviewed literature. The position is available immediately and will be for an initial 12-month appointment with the possibility of renewal pending satisfactory performance.

To apply for this position, send all application materials to Dr. Nicolas Zegre (nicolas.zegre@mail.wvu.edu). Applicants must include the following documents: 1) a CV that includes the names of at least three professional references, their e-mail addresses, and telephone contact numbers; 2) a cover letter indicating how your qualifications and experience have prepared you for this position.