

Employer: AIR Worldwide  
Job Title: Research Scientist / Climate  
Location: Boston  
Department: Research and Modeling

Become a member of the AIR's growing Research and Modeling department. Work closely with a team of scientists, engineers, analysts, and statisticians conducting research and developing models used to estimate and manage financial risk in a changing climate.

#### Main Responsibilities:

- Assimilate emerging research in the area of climate and climate change with a particular focus on how climate affects natural perils like tropical and extra-tropical cyclones
- Conduct original research in the area of climate's relationship to the frequency and intensity of extreme weather events and the correlation of risk between perils and regions
- Develop models and modeling applications to help clients better understand how the current climate and future projected climates could impact risk to property
- Manage the collection and analysis of observational and climate model data and integrate the highest quality data into the modeling process
- Work with other staff members in dynamic teams to achieve set goals and objectives

#### Knowledge, Skills and Abilities:

- Expertise in climate dynamics and climate modeling, preferably with experience understanding the benefits, challenges, and uncertainties related to climate models
- Working knowledge in general circulation theory and coupled ocean-atmosphere dynamics
- Solid technical programming skills gained through practical experience in particular using languages and tools like FORTRAN, MATLAB, and R.
- Solid statistical skills including regression and correlation analysis
- Familiarity with manipulating and visualizing large data sets
- Highly motivated and self-directed with demonstrated experience in advancing complex projects and working with interdisciplinary teams of scientists
- Excellent communication skills
- Risk modeling experience and/or GIS skills are a plus (but not required)

#### Education Requirements:

- Ph.D. degree in Atmospheric Science or related discipline, preferably with at least 2 years working experience

Please send resumes to

[hrdepartment@air-worldwide.com](mailto:hrdepartment@air-worldwide.com)

AIR Worldwide  
131 Dartmouth Street  
Boston, MA 02116