



DETAILED JOB DESCRIPTIONS

Climate Science Researcher

Research Objectives: (1) to synthesize existing research on climate modeling and downscaling and the use of existing/forthcoming climate projection datasets as related to the south-central U.S.; (2) to produce downscaled climate projections and provide evaluation and analysis of the CASC-produced projections alongside existing downscaled climate projections; (3) to address questions from our partners and provide expert guidance for the use of climate projections and related climate data products; and (4) to help infuse the state-of-the-science into our partners' management planning and implementation. This position will serve as a researcher providing expert assistance and analysis for boundary spanners at the CASC.

To fulfill the research objectives above, specific tasks may include:

- Conduct novel research and climate-related data analysis on climate modeling and downscaled climate projections with an emphasis on the management needs of CASC's societal partners and CASC product users;
- Conduct data collection, data management, visualization, and product creation related to climate modeling, downscaling, and climate impacts in collaboration with government, university, and non-governmental researchers;
- Communicate relevant scientific/technical information to a variety of audiences, including scientists and non-scientists, in different venues (e.g., public meetings, scientific conferences, university classrooms); and
- Synthesize and disseminate the science conducted by the South Central CASC and current research and datasets created by others using effective software and through reports, U.S. Department of the Interior science highlights, and other media.

Qualifications: They will have a PhD (or Masters Degree with at least 5 years of experience) in climate science (broadly interpreted), environmental science, statistics, computer science, or related fields. They will be able to work efficiently in a remote teamwork setting, complete multiple projects and tasks with high-quality work, coordinate efforts, and share results with team members frequently.