

Here's a sampling of what the South Central CSC consortium has been up to this month and a sneak peek of what's to come in August.

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SOUTH CENTRAL CLIMATE SCIENCE CENTER

Working collaboratively to develop science that addresses climate impacts on natural and human communities.

July 2017 Newsletter

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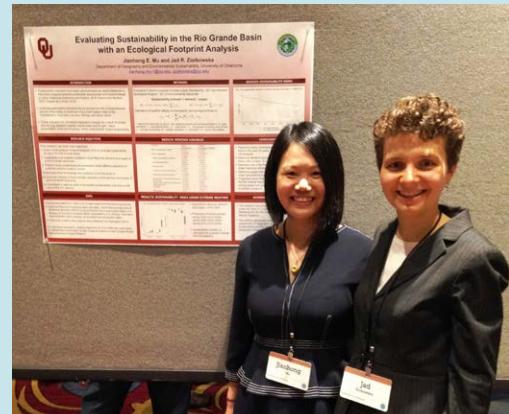
Feature Story: Undergraduate Interns Brush Up on Their Climate Knowledge in Louisiana, Texas, and Oklahoma

The next generation of environmental professionals will require a familiarity with climate impacts in order to address them in various sectors. Every summer, the South Central CSC provides an undergraduate internship opportunity that introduces students to climate research and impacts in the South Central U.S. In July 2017, 10 interns got their hands dirty taking sediment cores on the Louisiana coast, learned directly from native nations about their climate challenges, collected invertebrates to monitor water quality, and more. [Read More](#)

Research Highlight

Measuring the Sustainability of Environmental Resources in the Rio Grande Basin Under Future Extreme Weather

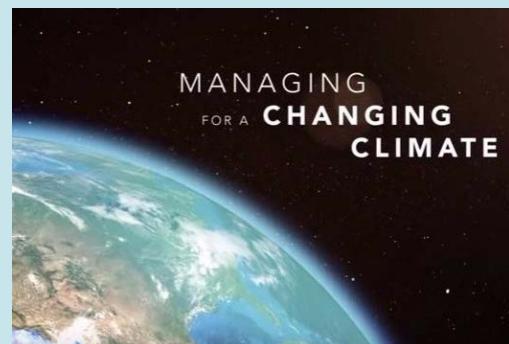
As part of a [SC CSC project](#) that seeks to identify how human uses of the Rio Grande Basin can be better coordinated, OU researchers Jianhong Mu and Jadwiga Ziolkowska examined impacts of future extreme weather on the demand and supply of environmental resources in the Basin. They presented the [final results of their work](#) (publication in preparation) as a poster at the Agricultural & Applied Economics Association Annual Meeting in Chicago this July.



Opportunities and Resources

Updated Managing for a Changing Climate Online Course Available August 21

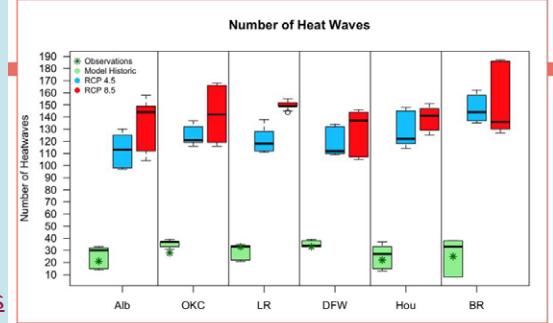
We're excited to announce the release of an updated version of our popular Managing for a Changing Climate online course, available on August 21 at janux.ou.edu. The updated version will include new videos and supplemental materials. [More Information](#)



Occurrence of Heat Waves in Large Cities Likely to Triple by Mid-Century

In addition to threatening human health, heat waves require intensive use of natural resources in the form of energy to cool buildings. Melanie Schroers, a participant

in the [National Weather Center's Research Experience for Undergraduates Program](#), used climate models to examine how we can expect heat waves to impact cities in the future. Schroers found that [heat waves are likely to more than triple in the cities studied by late century](#). Cooling degree days were found to increase anywhere from 50 to 85% by late century.



Schroers was mentored by SC CSC researchers Renee McPherson, Derek Rosendahl, and Adrienne Wootten. **All data are preliminary and a publication is in preparation.**

Staff and Student Highlights

SC CSC Consortium Researcher Dr. Kristine DeLong Featured in Documentary "The Underwater Forest"

In the Gulf of Mexico off the coast of Alabama, a preserved cypress forest is providing keys to understanding how sea level and climate changes impacted coastal ecosystems in the past. A new documentary ["The Underwater Forest"](#)



explores the significance of this ice age forest, the oldest ever found. Dr. Kristine DeLong, a paleoclimatologist at Louisiana State University and SC CSC consortium principle investigator, is part of the team studying the forest. DeLong and her colleagues believe that by studying the forests of the past they can figure out how sea level rise and climate variability might impact coastlines in the future.

The documentary is presented by [This is Alabama](#) and written and directed by Ben Haines of AL.com. It aired on Alabama Public Television on July 23 and 24.