

December Newsletter

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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 January.

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SOUTH CENTRAL CLIMATE SCIENCE CENTER

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

December Newsletter



Announcing Our Fiscal Year 2017 Funded Projects

We're delighted to announce the projects selected to receive South Central CSC funding this year! Beginning in late 2017, South Central CSC researchers will investigate how soil moisture measurements can help predict wildfire, develop tools for managing native fish under a changing climate, foster innovation by tribes and early career researchers, and more. [View all 2017 funded projects](#)

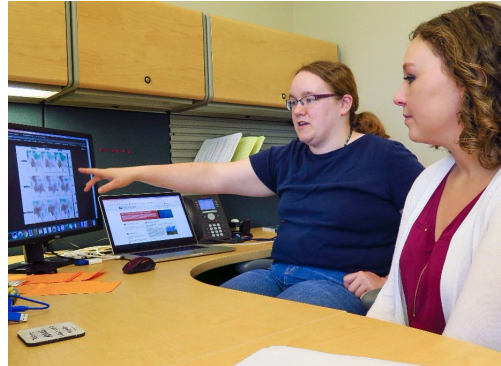
Research Highlight

Developing Downscaled Climate Projections in Partnership with NOAA's

Geophysical Fluid Dynamics Laboratory

[NOAA's Geophysical Fluid Dynamics Laboratory \(GFDL\)](#) has been an essential part of the South Central CSC's consortium of partner organizations since 2012. As world leaders in global and regional climate modeling, NOAA GFDL researchers provide climate science knowledge and technical expertise necessary to close critical climate information gaps in the south central region.

[Learn More](#)



Opportunities and Resources

Request for Proposals: USGS and National Institute for Water Resources

The USGS and National Institute for Water Resources are [accepting proposals](#) on the topic of improving and enhancing the nation's water supply and availability, and promoting the exploration of new ideas that address or expand our understanding of water problems. Proposals for 2018 funding through the 104g National Competitive Grants Program are **due to water@okstate.edu by 4:00 p.m. February 15, 2018.**

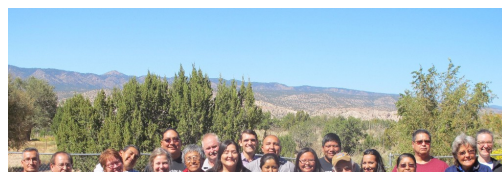


International Research Experience in Paleoclimatology for Undergraduates

The School of Geology and Geophysics at OU is hosting a [National Science Foundation-funded International Research Experience for Students](#) that will give accepted students the opportunity to conduct summer field work in France, specifically in sedimentary geology and deep-time paleoclimate. Current undergraduates in geoscience (or allied) disciplines, particularly those students of Native American heritage and first-generation college students, are encouraged to apply by **March 1, 2018.**

Tribal Engagement Story Map Now Online

Our [new Story Map](#) shows how the South Central CSC has worked with tribes to build resilience and adaptation in Indian Country. In its first five years, the South Central CSC team engaged a total of 91 tribes in the



U.S. including 61 tribes within the region and 28 tribes outside of the region. A total of 536 tribal attendees were present at one of our trainings and South Central CSC staff logged 4,974 total contact hours with these attendees.



Scholarship Opportunities for University of Oklahoma Undergraduates

The South Central CSC is offering two scholarships open to University of Oklahoma undergraduates, with preference given to female students or students from underrepresented minorities. Our [scholarship for students in the Department of Geography and Environmental Sustainability](#) provides selected applicants with \$1,000 to cover tuition expenses. Our [international studies scholarship](#) provides the selected applicant with \$5,000 to support participation in an OU summer study abroad program. Please contact info@southcentralclimate.org with any questions. **Applications are due February 1, 2018.**



Call for Public Comment on the Draft Fourth National Climate Assessment (Vol. II)

The latest iteration of the [National Climate Assessment](#) serves as an authoritative assessment on the science of climate change in the United States. Public comments are currently being accepted. If you'd like to provide feedback on this most recent draft, you can do so until **January 31, 2018.**

[Submit a Comment](#)

Staff and Student Highlights

SC CSC Researchers Part of Team Awarded \$1.8 Million NSF Grant to Improve Prediction of Extreme Weather Events

In August 2017, a University of Oklahoma-based team received a [\\$1.8 million NSF grant for improving the prediction of heavy rainfall events](#). The project principal investigator is Dr. Elinor Martin, who was hired in a new faculty line that was created by OU President Boren as part of the original 5-year proposal to host the SC CSC. SC CSC Co-Director Dr. Renee McPherson will serve as



one of four co-principal investigators on the project; SC CSC postdoctoral researchers Dr. Derek Rosendahl and Dr. Esther Mullens will lend their climatological expertise to the team as well. The project proposal that won the grant was the outcome of a Severe Weather and Climate Change Working Group created by the SC CSC and the National Weather Center.

Featured Video: Overview of the Carbon Cycle

Want to brush up on your climate knowledge? Get started with this short video exploring the role carbon plays in our bodies, the formation of the planet, and, you guessed it: the temperature of the Earth.



From our popular online course "[Managing for a Changing Climate](#)," this video features South Central CSC University Director Dr. Renee McPherson (and some really fun animations).

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<http://www.southcentralclimate.org>

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