

Katherine J. Evans



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Katherine J. Evans is a staff member in the Computational Earth Sciences group and the Earth Systems Modeling Group in the Climate Change Science Institute at ORNL. She investigates subglobal climate variability using high resolution global climate models and integrates numerical algorithms and configurations for their improved efficiency and accuracy.

She is a site-PI and Validation and Verification task lead for the Community Ice Sheet Model. Evans also works with PI James Hack on the “Ultra High-Resolution Climate Simulation Project.” She is also currently collaborating with Mark Taylor of Sandia National Laboratories and Aaron Lott and Carol Woodward of Lawrence Livermore National Laboratory on a DOE SciDAC (Scientific Discovery through Advanced Computing) project to develop the Community Atmosphere Model to solve the dynamics and physics components of the model more efficiently using implicit integration schemes.

Evans earned her PhD in atmospheric science with an emphasis in math from the Georgia Institute of Technology in 2000. She joined ORNL in 2007 after a stint as a post-doctoral researcher at Los Alamos National Laboratory in the Decision Applications and Theoretical Division. She is a member of the American Meteorological Society, American Geophysical Union, and the Society of Industrial and Applied Mathematicians.