

***What's with the Weather? And What's with the Climate?
Weather and Climate Models, and Regional Impacts in the 21st Century***

You are invited to a luncheon briefing:

**Thursday, June 12, 2003
12:00 Noon, 2325 Rayburn House Office Building**

What is the real promise of computer weather and climate models? What information goes into these models? How are models used today and what does the future hold for significant improvement of models in service to societal needs? Perhaps most important to you, what can we expect of the federal investment in these tools?

Please join us to learn about the critical role computer models played in saving lives during the recent Midwest tornado outbreak and other high-impact, local weather events; the elements that are required to produce an accurate forecast; and recent advances in both weather and climate modeling. The briefing will provide information on the difference between numerical and climate models and reasons why you should care, will illustrate the accuracy of climate models in 21st Century simulations, and will discuss the potential for enhancing climate models. Following presentations, you will have the opportunity to ask questions of and discuss weather and climate issues with the distinguished panel.

Briefing Speakers:

- **Eric Barron** is the dean of the College of Earth and Mineral Sciences at Pennsylvania State University where he also holds the title of Distinguished Professor of Geosciences. He serves as chair of the Board on Atmospheric Sciences and Climate of the National Research Council and is a Fellow of the American Geophysical Union and the American Meteorological Society.
- **Kelvin Droegemeier** is director of the Center for Analysis and Prediction of Storms (CAPS) at the University of Oklahoma where he holds the additional title of Regents' Professor of Meteorology. Dr. Droegemeier led the creation of a multi-scale numerical prediction system that helped pioneer the science of storm-scale numerical forecasting. He is a Fellow of the American Meteorological Society.
- **Jerry Meehl** is a senior scientist with the National Center for Atmospheric Research (NCAR) in Boulder, Colorado. Dr. Meehl was coordinating, lead author for the chapter on future climate change for the World Meteorological Organization's Intergovernmental Panel on Climatic Change (IPCC) Third Assessment Report. He serves on the World Climate Research Programme's Working Group on Coupled Modeling as chairman of the Coupled Model Intercomparison Project (CMIP).

**RSVP by Monday, June 9
To Gloria Kelly at (303) 497-2102 or gloriak@ucar.edu**

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