Workshop Themes

- The importance and influence of aerosols
- Aerosol sources, and physical and chemical processes relevant to Australia
- Moving from observations to process modelling to regional and global climate modelling
- Modelling the climatic effects of aerosol, in particular on Australia

Background

Aerosol and climate change is an important issue for Australia. The ‘Future Directions in Climate Change’ Workshop held in March at the Shine Dome in Canberra clearly indicated that aerosols – observations, modelling and impact assessments – should be a key component of any future climate change research program.

The international workshop on ‘Future Climate Change Research and Observations’, held in association with GREENHOUSE 2007 in Sydney, identified the ‘urgent need’ for better quantification of radiative forcing due to aerosols-cloud interactions through comprehensive model-model and model-observation comparisons, including enhanced observations from all platforms. (The workshop was organised by the Global Climate Observing System, the World Climate Research Program and the International Geosphere-Biosphere Program.)

Organisation

CSIRO and the Bureau of Meteorology are organising the workshop as part of the Australian Climate Change Science Program. The Australian Climate Change Science Program undertakes research to improve our understanding of the causes, nature, timing and consequences of climate change for Australia and our region. The Program is administered by the Department of Climate Change.

Further information

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This inaugural Climate Change and Aerosols Workshop will bring together aerosol and climate researchers, students and climate policy makers to share information and ideas on how aerosol research can best be used to improve our ability to carry out climate change projections, and understand and manage climate change adaptation and mitigation.

The program

The two-day program will feature national and international researchers, including Prof. Joyce Penner, Department of Atmospheric, Oceanic, and Space Sciences, University of Michigan. There will be ample opportunity for discussions, questions and networking.

There will be a workshop dinner on Monday 18 August.

Registration

There is no registration fee. Please email Ms Mandy Hopkins (mandy.hopkins@csiro.au) if you would like to participate. Participation in the workshop dinner is limited. Please indicate if you would like to attend. Priority will be given to those who respond early.