



## Ice Sheets

- The dynamic responses of ice sheets is the single largest uncertainty in the IPCC AR4 sea-level rise projections: *Australian science can play a key role in filling this gap*
- Australia's Antarctic research efforts is an important part of international collaboration: *Australian scientists are important participants in international climate change research*
- Australia's contribution includes leading research programs, field work and logistic support: *Australia leads international efforts in Antarctic and Southern Ocean climate science*

## Sea Ice

- Sea ice dynamics and change are poorly understood: *Australia is a leader in research in the Antarctic sea-ice zone*
- Changes in sea ice extent and thickness will have significant effects on climate and ecosystems: *Australian scientists are working to understand what these changes will mean*
- Changes in sea ice will have impacts on resource management, shipping and tourism

## General

- Australian scientists will make a significant contribution to the next Intergovernmental Panel on Climate Change assessment report.

