



ANTARCTIC CLIMATE  
& ECOSYSTEMS CRC

## Climate Science for Australia's Future

ACE conducts research and provides information on the role of Antarctica and the Southern Ocean in driving the global climate and the impacts of climate change on Australia and the rest of the world.

ACE investigates critical uncertainties about climate change that limit both Australia's and the global community's ability to respond effectively.

A world leader in polar and Southern Ocean climate research and education, ACE is a multi-disciplinary partnership of 23 national and international organisations.

It helps governments, industry, scientists and the community to understand climate change and to plan for our future.



## OUR EXPERTISE IS AVAILABLE IN THE FOLLOWING SERVICES:

**POSITION ANALYSES AND REPORT CARDS:** ACE explains its science in plain English in a series of comprehensive booklets. These are updated regularly and used to inform policy-makers, governments, industry and the community of the latest climate change information.

**CLIMATE MODELLING:** ACE is an expert in delivering fine-scale climate modelling - providing climate change information that is clear and relevant for local communities.

**PROVIDING TECHNICAL ADVICE:** ACE provides independent vulnerability assessments of sea-level rise and climate risks backed by some of the world's leading climate change authorities.

**SEA-LEVEL RISE DECISION SUPPORT TOOL:** ACE helps Australians prepare for sea-level rise by understanding how to assess risk to existing assets, plan adaptations, and set appropriate design codes and planning strategies for future developments. An online support tool is available at [www.sealevelrise.info](http://www.sealevelrise.info).

**VOCATIONAL TRAINING:** ACE provides short courses for governments and industry to help them plan and prepare for our climate future, including specialised sea-level rise workshops for coastal planners and engineers.



Australian Government  
Department of Sustainability, Environment,  
Water, Population and Communities  
Australian Antarctic Division



Australian Government  
Department of Climate Change  
and Energy Efficiency



**The ACE CRC's core partners are:** the Australian Antarctic Division; CSIRO; University of Tasmania; the Australian Government's Department of Climate Change and Energy Efficiency; the Alfred Wegener Institute for Polar and Marine Research (Germany); and the National Institute of Water and Atmospheric Research Ltd (New Zealand).

**ACE also has formal partnerships with:** the Department of Sustainability Environment, Water, Population and Communities; Tasmanian Government; Centre for Polar Observation and Modelling (CPOM - UK); Chinese Academy of Meteorological Sciences (CAMS); Institute of Low Temperature Science (ILTS - Japan); First Institute of Oceanography (FIO - China); Laboratoire d'Etudes en Géophysique et Océanographie Spatiales (LEGOS - France); Memorial University of Newfoundland (MUN); National Institute of Polar Research (NIPR - Japan); University of Texas at Austin; University of Texas at San Antonio; Vrije Universiteit Brussel (VUB); GHD Pty Ltd; Myriax Software Pty Ltd; Pitt & Sherry; RPS MetOcean Pty Ltd; and SGS Economics and Planning Pty Ltd.



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