



Climate Change Services Australia Capability

Collectively and collaboratively, the government, industry and research sectors in Australia have developed world-class capabilities in climate change services.



About Climate Change Services Australia

Climate Change Services Australia was established to facilitate and promote the use of climate change services and strategies, technologies and systems, in Australia and internationally.

We are a non-profit company, dedicated to the sharing of Australian expertise that help communities to prosper in a changing climate.

Founded in 2017, the organisation has a not-for-profit mission and purpose to contribute to climate change response efforts, that protect human activity and natural environments for future generations.

Responding to climate change requires cross-sector responses



Policy, planning and governance

Successful climate change action relies on clear and consistent policy frameworks that encourage collaboration, investment and innovation.



Agriculture, viticulture and horticulture

Primary production worldwide is being affected by changes in rainfall and increases in average temperature demanding improved water use efficiency, investigation and development of different crop varieties, and risk management.



Built environment

Climate ready infrastructure needs to account for the long-term impacts of climate change during planning, design and ultimately construction. Climate considerations are being embedded into decisions about transport, water and energy infrastructure as well as green infrastructure to help create greener, cooler cities and reduce urban heat islands.



Energy systems in transition

Making the transitions from reliance on fossil fuels to a diverse mix of fossil fuel generation, renewable energy, demand management and dispatchable forms of energy is core component of climate change response.



Health

Climate change will affect the health and wellbeing of citizens. Many parts of Australia are already affected by extreme heat events with leading edge work in risk assessment and extreme heat response.



Water resources management

Effective water resource management is essential for maintaining secure water supplies for drinking, industry and irrigation. Operating in hot and dry environments, Australian government agencies, industries and researchers have developed world-renowned responses to declining water availability.

Activity areas



Knowledge of the climate change responses needed internationally, and areas of alignment for Australian climate change services.



Providing access to Australian expertise for international organisations.



Capacity building services and sharing cutting edge practice.



Helping to form collaborations across public, private and research sectors.

Australian approaches

Approaches developed in Australia are flexible and adaptive, providing decision-making tools to people whose livelihoods depend on climate and weather patterns. Some characteristics include:

- decision-making that is informed by accurate data and forecasts from research
- planning and action that arise from collaborations of diverse groups, across a range of disciplines
- decisions around climate resilience become 'owned' by the community
- a long track record in water management, responding to extreme heat and storm events, and planning for sustainable livelihoods.

Skills and expertise

Climate Change Services Australia can connect organisations with integrated skills and experience in:

- integrated climate change impact, risk and vulnerability assessment
- adaptation and mitigation planning
- capacity building for officials, local business and community
- community and stakeholder engagement
- governance and institutional strengthening
- project management and implementation support; 'mainstreaming' climate adaptation.

Our Capability

Climate change services means:

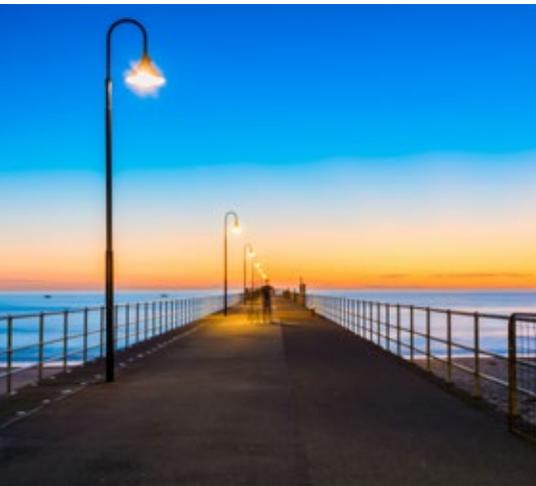
- Activities that assist the community to thrive and prosper in response to a different future climate (adaptation).
- Activities that reduce greenhouse gas emissions, in line with the world's efforts to halt global warming due to human activity (mitigation).

Climate Change Services Australia provides:

- Forums for sharing solutions, skills and experiences in climate change response.
- Assistance for Australian organisations to connect learn about climate adaptation needs, and pursue opportunities.
- A point of contact for international governments and organisations seeking solutions.

The joint capability of the government, industry and research sectors can support and benefit:

- National and sub-national governments looking to develop integrated climate change solutions.
- Development banks looking for integrated approaches and service providers with solutions.
- Implementing entities seeking to engage projects teams with expertise in developing complex cross sectoral adaptation planning.
- Consulting firms looking to apply experience in the delivery of practical adaptation measures to major international projects.



Partnership opportunities

There are opportunities to partner with Climate Change Services to help pursue mutual goals.

Our future activity plan aims to help the climate change services sector grow and develop and to meet community needs, worldwide.

Please contact us to discuss potential partnerships.

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