

**CoastAdapt: Data for risk assessment** (<http://coastadapt.com.au/risk-assessment-links-external-data-and-visualisation-sites>)

**Table 1:** Climate change projection data sources in Australia (all web links accessed 21 May 2016)

Projections program	State	Developer	Greenhouse gas scenarios	Future time periods	Models and resolution	Variables	Output
Climate Change in Australia (2015)	All	CSIRO and BOM	RCP 2.6, 4.5, 6.0 and 8.5 (also B1, A1B and A2 SRES scenarios)	14 time periods: 2025, 2030, 2035,...2090)	Up to 40 GCMs for the RCPs, up to 18 GCMs for SRES; RCMs, as well as statistical downscaling	Monthly, 3-monthly, 6-monthly and annual changes in up to 14 climate variables	<a href="http://www.climatechangeinaustralia.gov.au/en/climate-projections/climate-futures-tool/introduction-climate-futures/">http://www.climatechangeinaustralia.gov.au/en/climate-projections/climate-futures-tool/introduction-climate-futures/</a>
AdaptNSW (NARClIM) (2011)	NSW and ACT	University of New South Wales	SRES high emissions scenario (A2)	Two time periods: 2020-2039 and 2060-2079	4 GCMs dynamically downscaled using 3 RCMs to 10km resolution	11 variables, some at hourly resolution	<a href="http://climatechange.environment.nsw.gov.au/Climate-projections-for-NSW">http://climatechange.environment.nsw.gov.au/Climate-projections-for-NSW</a>
Climate Futures for Tasmania (2010-2012)	Tasmania	Joint project between state government and Antarctic Climate and Ecosystems CRC	SRES A2 and B1	Three time periods 2010-2039; 2040- 2069, and 2070-2099	Subset of CMIP3		<a href="http://www.dpac.tas.gov.au/divisions/climatechange/climate_change_in_tasmania/impacts_of_climate_change">http://www.dpac.tas.gov.au/divisions/climatechange/climate_change_in_tasmania/impacts_of_climate_change</a>
SA Climate Ready (2011)	SA	Goyder Institute	RCP 4.5 and 8.5	Twenty-year time periods centred on 2030 (2020-2039), 2050 (2040-2059), 2070 (2060-2079) and 2090 (2080-2099)	Six 'best' GCMs statistically downscaled to 27 weather stations in South Australia	Daily data for 6 variables	<a href="http://www.goyderinstitute.org/">http://www.goyderinstitute.org/</a>
Consistent climate scenarios project (2012)	All	Department of Science, Information Technology, Innovation (Queensland Government)	Six SRES scenarios and two stabilization scenarios (450 and 550ppm)	Two time periods: 2030 and 2050	Nineteen GCMs are statistically downscaled at a 25km by 25km resolution	Daily data for 6 variables	<a href="https://www.longpaddock.qld.gov.au/climateprojections/about.html">https://www.longpaddock.qld.gov.au/climateprojections/about.html</a>
Indian Ocean Climate Initiative (IOCI) (2011)	WA	WA Government, CSIRO and BoM	SRES scenarios B1, A1B, A2	Two time periods: Mid-century (2047-2064) and end-of-century (2082-2099)	Five global circulation models (GCMs) are statistically downscaled for south-west WA (29 sites) and north-west WA (9 Kimberley sites and 10 Pilbara sites).	Daily rainfall and maximum and minimum temperature	<a href="http://www.ioci.org.au">www.ioci.org.au</a>