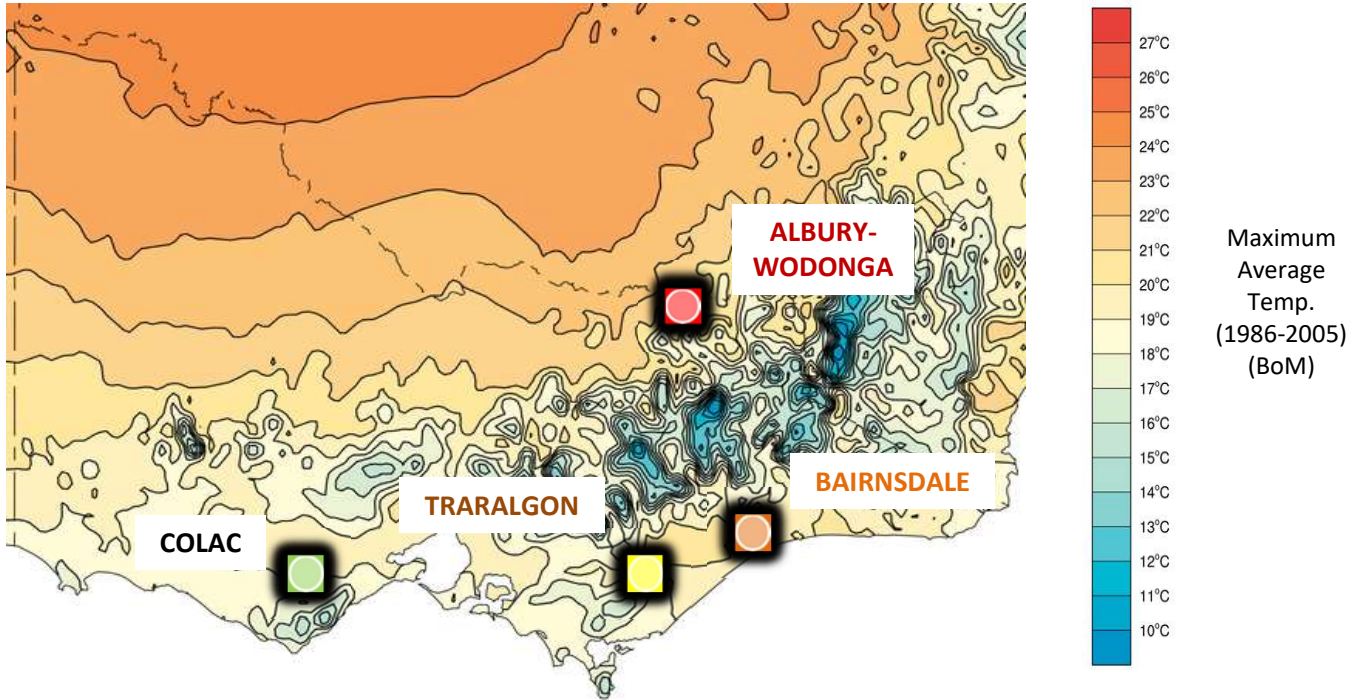


What might Colac's climate be like in 2030, 2050 & 2090?



Climate Analogues explore what the future climate could be like for a given location. These analogue localities have been developed using the [Analogues Explorer Tool](#) from the CSIRO's [Climate Change in Australia](#). This tool matches the proposed future climate of a region with the current climate experienced in another region using average annual rainfall and average annual maximum temperature (within set tolerances). They were developed using the maximum consensus of models (based on [CMIP5](#)) for the high greenhouse gas emissions scenario, ([RCP 8.5](#)). NOTE: These analogues have been further refined to align with projected seasonal changes based on Model GFDL-CM3 which was selected by John Clarke, CSIRO Climate Science Centre, as the most representative model. This assumes a slight rainfall increase to 2030, later declining across the Southern Slopes Region and an average temperature increase of 3.18°C by 2090, based on data from the [Climate Futures Tool](#). NOTE: The analogue towns selected for Colac are focussed primarily around projected temperature change rather than projected rainfall.

Current Colac average temperature and rainfall		2030 Colac climate looks like Traralgon		2050 Colac climate looks like Bairnsdale		2090 Colac climate looks like Albury-Wodonga		
	Season	Colac Current	Colac Projected 2030	Traralgon Current	Colac Projected 2050	Bairnsdale Current	Colac Projected 2090	Albury-Wodonga Current
Mean Max. Temp °C	Spring	18.2	18.9	18.8	19.5	20	21.5	21
	Summer	24.8	25.6	25	26.6	25.4	28.2	30.2
	Autumn	19.7	20.2	20	21.2	20.9	23.1	22.4
	Winter	13.4	13.9	14	14.6	15.4	16.1	13.5
	Annual	19	19.6	19.5	20.4	20.4	22.2	21.8
Mean Rain fall (mm)	Spring	226	235	227	224	191	195	188
	Summer	135	141	163	128	166	120	130
	Autumn	161	161	165	166	160	151	147
	Winter	246	241	190	255	147	226	233
	Annual	768	782	744	771	664	699	698