

Climate change is described as any long-term significant change in the ‘average weather’ that a given region experiences.

Climate change facts

- Most scientists agree that global warming caused by human-generated greenhouse gas emissions is one of the most serious environmental problems facing the world today
- 13% of Australian greenhouse gases are generated from road transport
- Analysis of CSIRO studies on climate change indicates a potential for a 32% increase in rainfall intensity in the Sunshine Coast region due to climate change.

Within Australia, CSIRO research and modelling has identified the following estimates of climate change impact on temperature and rainfall over the next 100 years. Recent indications are, that of the three emission scenarios examined, the ‘High emissions’ potential is likely.

CSIRO predictions for climate change over the next 100 years for three levels of greenhouse gas emissions:

Temperature change due to climate change (°C)

Rainfall change due to climate change – percentage difference to current rainfall

