

Review : Eccles et al., 2025

High-resolution downscaled CMIP6 drought projections for Australia

The revised manuscript is still very well written. The comments to improve slightly the structure and the presentation of the methodology have been very well addressed. The authors gave relevant responses to each comment and improved a few sections of the article accordingly. The downscaling method used to select the climate model ensembles and the valorisation of the climate outputs to study the drought indices are well explained and a lot clearer than in the previous version.

I believe this paper well addresses its research question, with now a clear methodology and comprehensive analyses of the future characteristics of drought in Australia and recommend it for publication.

A few specific comments

L179 and 185: Some « SPI/SPEI » left.

L85-86: Issue in the sentence: “The downscaling was performed using dynamically downscaled using the Conformal Cubic Atmospheric Model (CCAM)”