

Guide to the parameters used in the SDM workflow

This system allows to composite daily climates from the Statistical Downscaling Model (BOM-SDM) using CMIP5 host models and AWAP observations and the ERA-Interim reanalysis data set.

The HISTOGRAM and TIME SERIES workflows allow you select a particular location (lat/lon) and generate a modelled future histogram or time series for seasonal RAINFALL, MINIMUM and MAXIMUM TEMPERATURE.

You can the select the host model (e.g. ACCESS1-0 if you want to use the Australian model) as well as the future GHG concentration pathway (RCP45 or RCP85). You can also look just across the historical period.

The statistical model is optimised over particular large region over Australia and you need to choose one using the Region tab.

Through this interface it is possible to have a location selected that lies outside the optimised region.

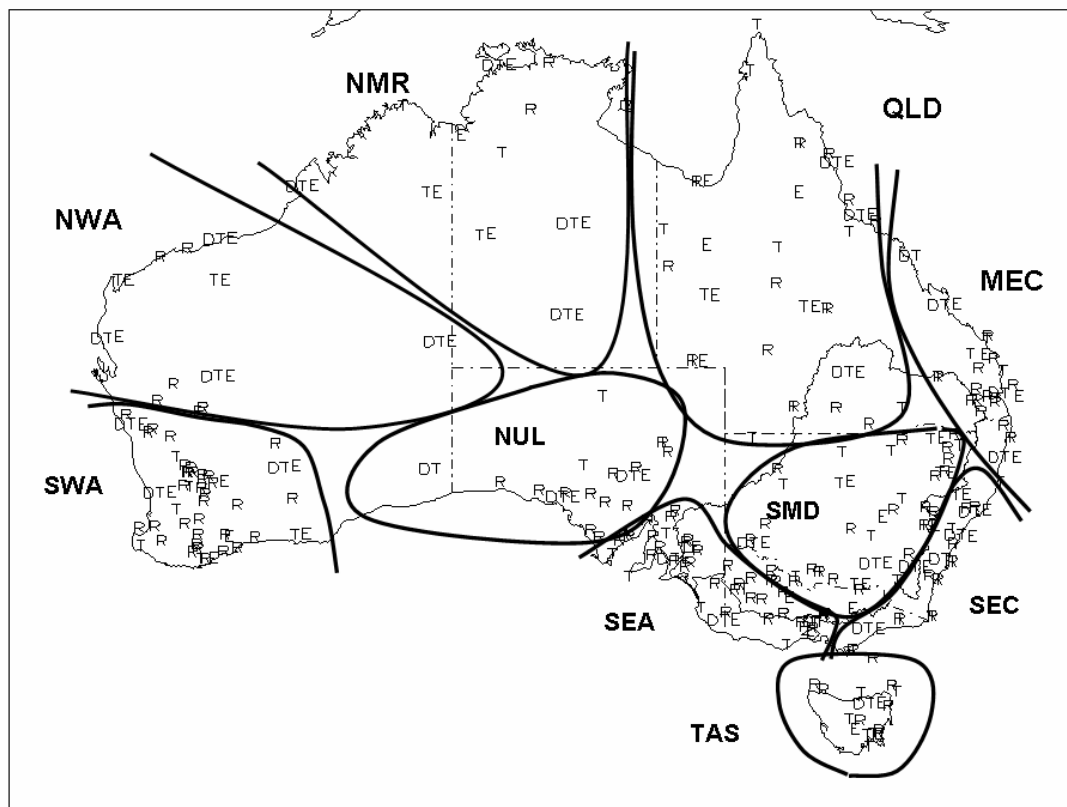


Figure: Location of the high quality networks across Australia for rainfall (R), temperature (T), dew-point temperature (D) and pan evaporation (E). The boundaries of the **ten optimised regions** are overlaid: Tasmania (TAS), Southwest of Western Australia (SWA), Nullarbor Plain (NUL), the Southwest of Eastern Australia (SEA), the Southern part of the Murray-Darling basin (SMD), the South-East Coast (SEC), the Mid-East Coast (MEC), Queensland (QLD), the Northern Monsoon Region (NMR) and the Northwest of Western Australia (NWA) .