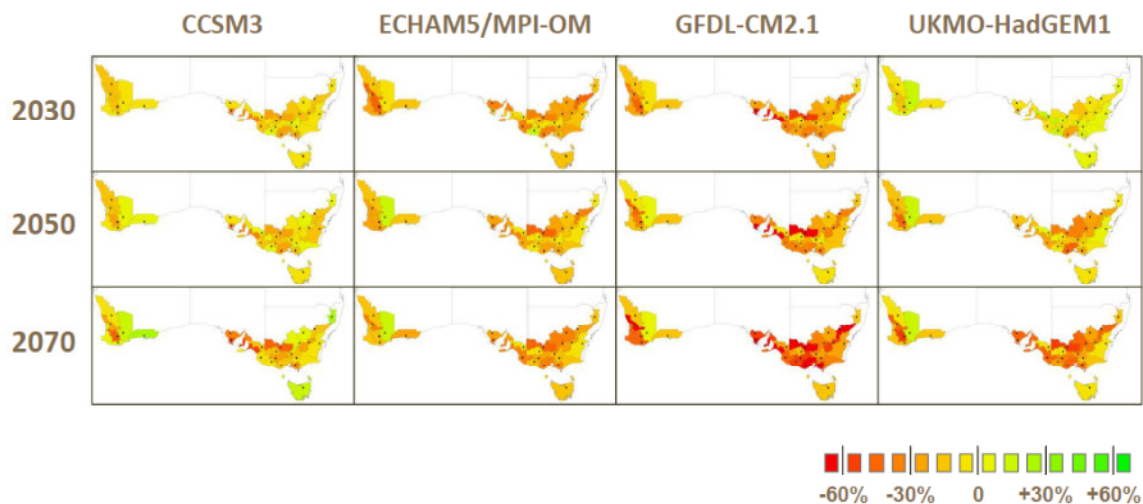


## Impacts of future climates on pasture production

**Figure 1:** Shows the average impact across 25 locations in southern Australia, using 4 GCM's and out to 2030, 2050 and 2070. Impacts vary depending on GCM used, but most are in the range of 15% to 20% reduction GCM's are:

- CCSM3: 2030 Climate USA 2
- ECHAM5 2030 Climate Germany
- GFDL 2030 Climate USA 1
- UKMO HadGEM1 2030 Climate UK

### Impacts: Pasture Production



**Figure 2** below shows that the reduction in pasture production increases out to 2070, although much of it occurs up to 2030. The impacts increase as you move inland to more drier environments.

- Large decline in ANPP
  - much of it by 2030
- Greater ANPP declines in drier environments
  - eastern WA wheatbelt is an exception

