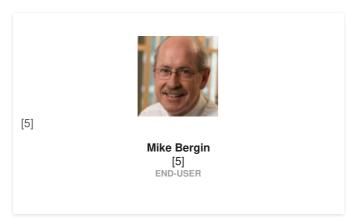


The Centre for Australian Weather and Climate Research is a partnership between Australia's leading atmospheric and oceanographic research agencies: the Bureau of Meteorology and CSIRO. The Centre was established by CSIRO and the Bureau of Meteorology in 2007 to ensure that Australia remains a world leader in climate, weather and oceans research so that it can meet the severe weather and climatic challenges that continue to confront the nation.

## Our people

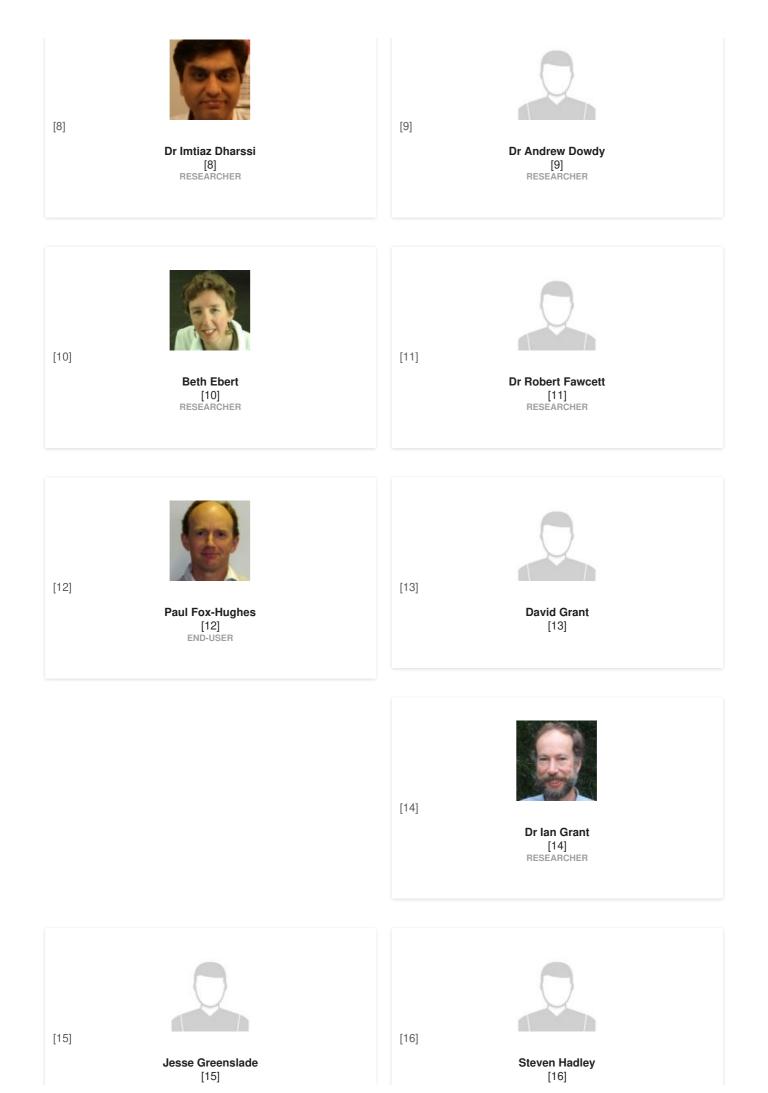


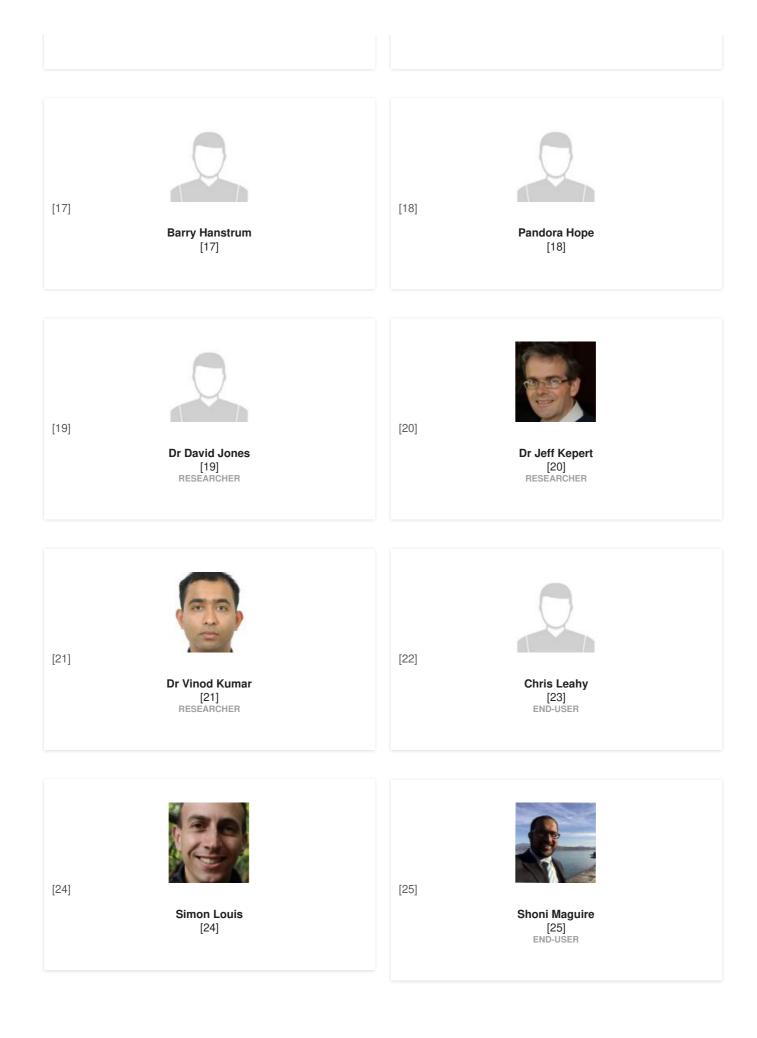




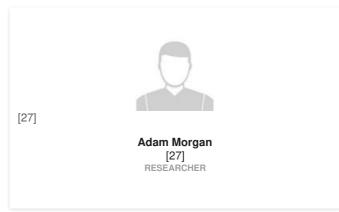




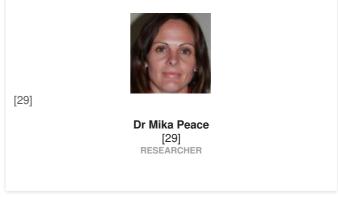


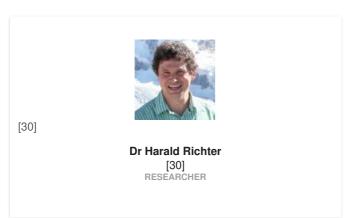


















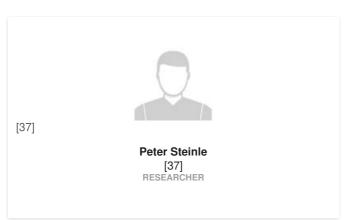




# Tasfia Shermin [34]

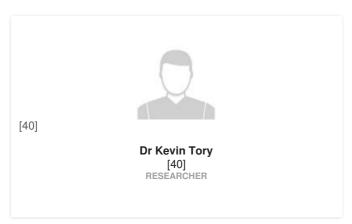




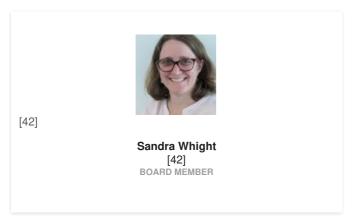




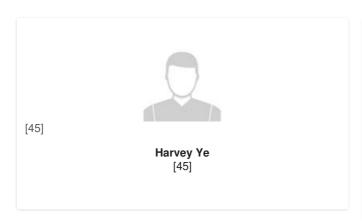


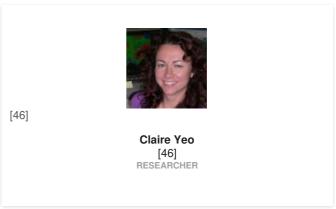


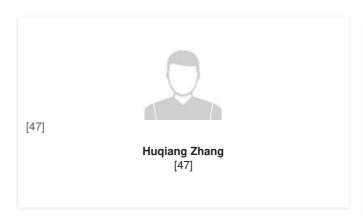














# End user representation

Impact-based forecasting for the coastal zone: East Coast Lows [49]





Improving land dryness measures and forecasts [50]



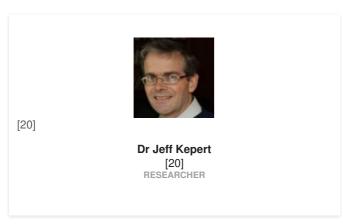




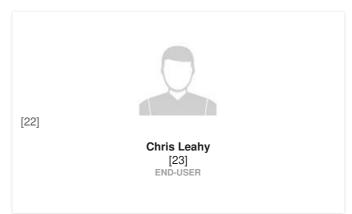
Improved predictions of severe weather to reduce community impact [51]



### Threshold conditions for extreme fire behaviour [52]



Improving flood forecast skill using remote sensing data [53]



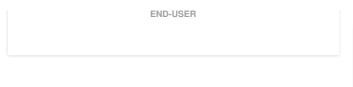
Effective risk and warning communication during natural hazards [54]



Predicting fire danger ratings from physical measures of fire behaviour [55]

Modelling fire weather interactions using the ACCESS-Fire model [56]

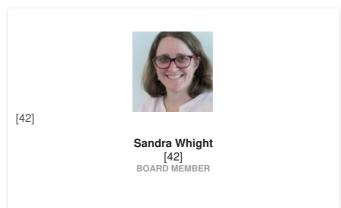
Improved decision support for natural



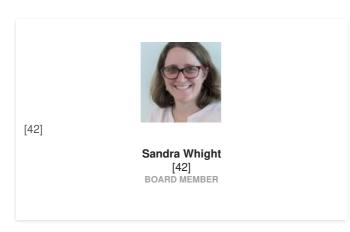




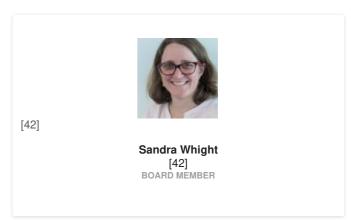
#### hazard risk reduction [57]



Using pre and post fire LiDAR to assess the severity of the 2019 Tasmanian Bushfires [58]



How do wet eucalypt forests burn? Managing Tasmania's most dangerous fuel type [59]



Improving decision-making in complex multi-team environments [60]



Policies, institutions and governance [61]

[42]

Sandra Whight [42] BOARD MEMBER

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