

End User Perspective

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Why Case Studies? NSW Context

- Weather as a key input to fire behaviour
- Extreme fire behaviour frequency
- Effect known causes may be unknown?
- Bureau of Meteorology a respected source of information



Why Case Studies? NSW Context

In NSW Case studies have historically been used to:

- Support Coronial/Legal investigations
- Inform operational, Executive and Ministerial briefings
- Guide community information and public messaging
- Investigate and learn from unusual fire weather and fire behaviour and
- Capture lessons from rare or extreme events

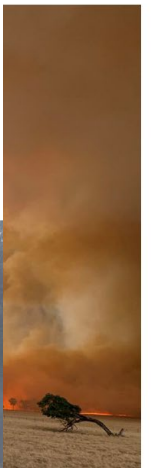


Report on the meteorological conditions and fire-weather interaction processes that caused very destructive winds at the Green Valley, Talmalmo bushfire on 30 December 2019



Special Climate Statement 71—severe fire weather conditions in southeast Queensland and northeast New South Wales in September 2019

24 September 2019



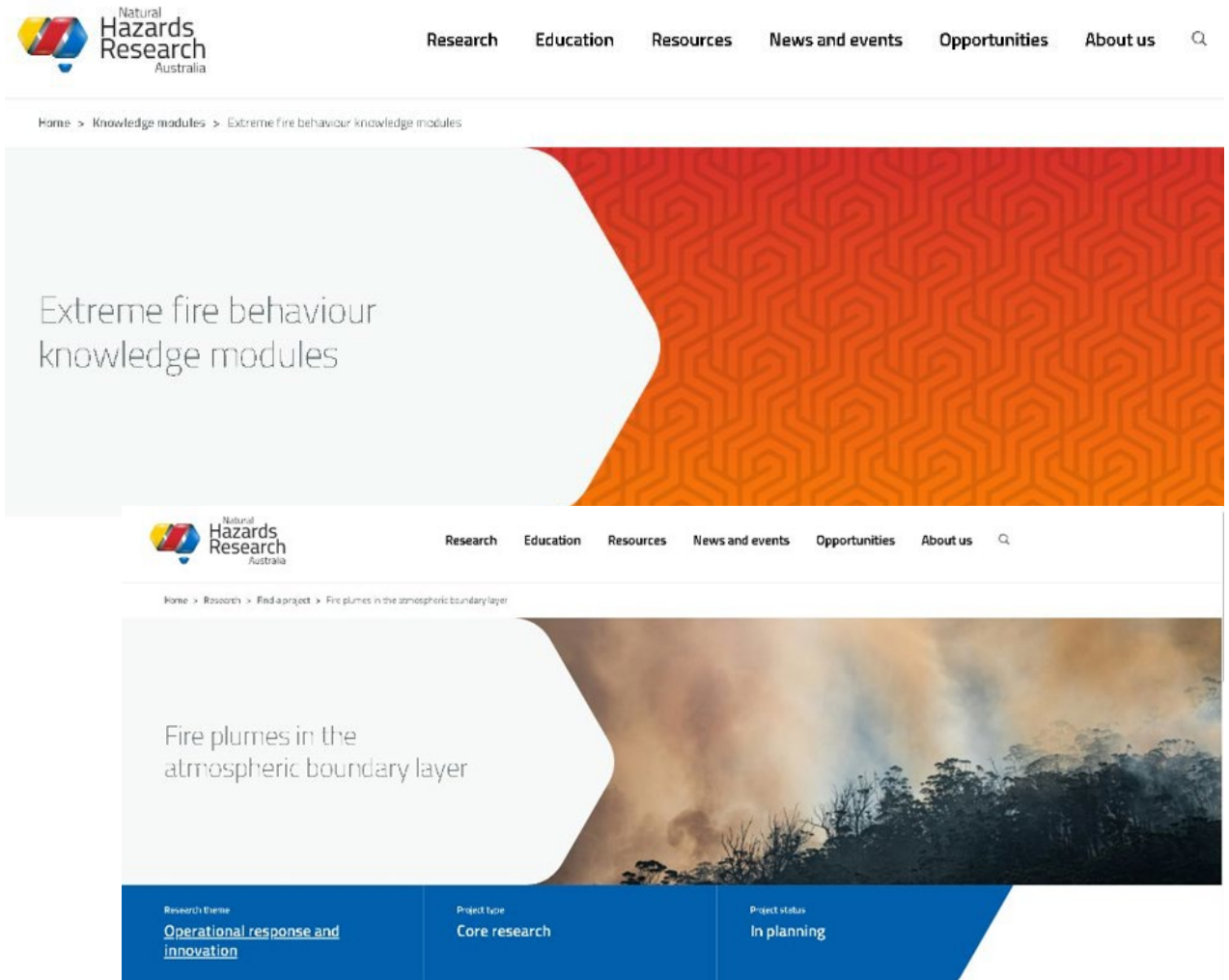
during the late afternoon



Benefits of Case Studies

Through this project case studies have contributed to improvements in:

- Understanding of the mechanisms driving unusual and extreme fire behaviour events
- Training material development
- Policies, procedures, systems and decision support tools
- Science and innovation via coupled fire behaviour modelling.



Case Study: Currowan Fire - Lake Coniola

- Burnt approximately 314,599 hectares
- Active for over two months, starting 26 November 2019
- Extreme fire behaviour observed on the 31st of December 2019

