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### COMMISSIONED RESEARCH

Key Topics:

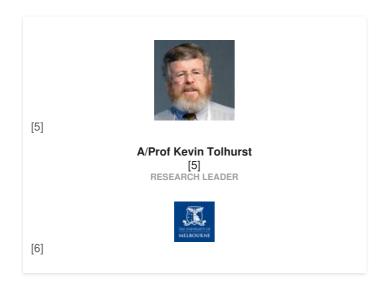
- fire severity [1]
- planning [2]
- response [3]

Severe fire behaviour - improving planning responses [4] This project was commissioned and funded entirely by the Department of Environment, Land, Water and Planning, Victoria.

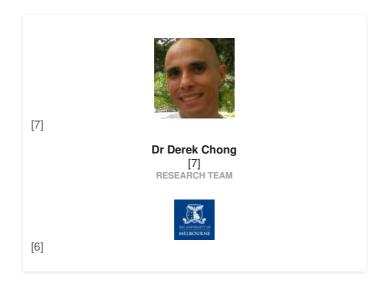
# Project: detail Notabs

## Research team

## Research leader



## Research team



# End User representatives



# Description

This project was commissioned and funded entirely by the Department of Environment, Land, Water and Planning, Victoria.

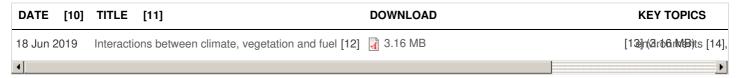
The project had two primary aims:

- better describe the characteristics of bushfires that have the greatest impact on house loss and the effect of land use planning responses in reducing bushfire risk; and
- validate the model against documented fire events.

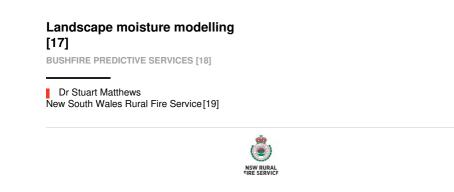
These aims were met by providing:

- quantification of convective strength across the landscape and validate it against documented fire events;
- an algorithm to improve convective updraught strength to calculate maximum local wind strength;
- a better ember launch and transport model;
- a relationship between the modelled ember attack levels on dwelling ignition and spotfire development; and
- an improved PHOENIX RapidFire characterisation and improved understanding of bushfire risk and the assessment of treatment options for improved planning responses through the development of specific planning modules.

## Presentations & Resources



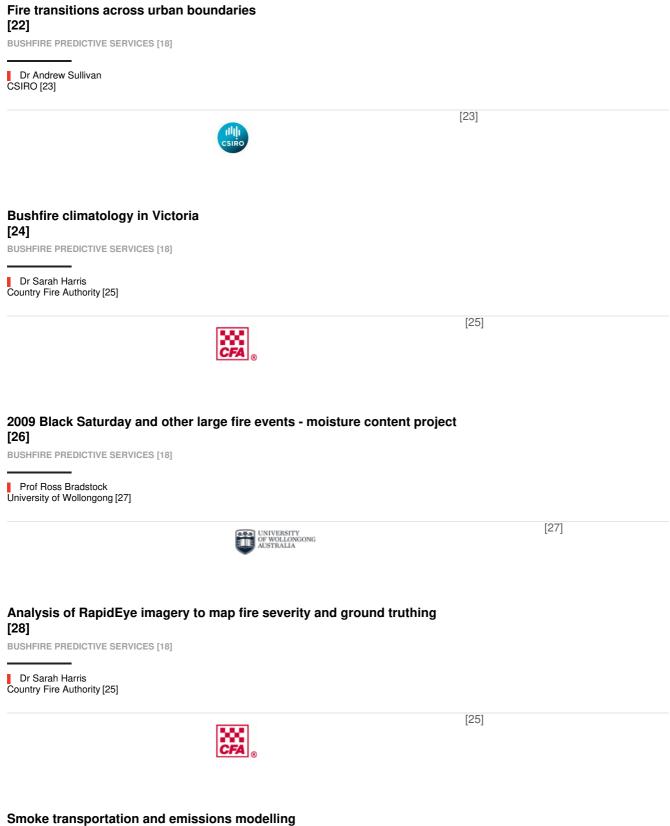
## Linked Projects



[19]



[21]



# [29]

**BUSHFIRE PREDICTIVE SERVICES [18]** 

Dr Martin Cope CSIRO [23]



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