Home > Research > Severe fire behaviour - improving planning responses > Projects (menu position rule)

COMMISSIONED RESEARCH

Key Topics:

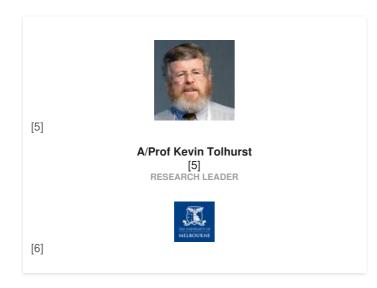
- fire severity [1]
- planning [2]
- response [3]

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

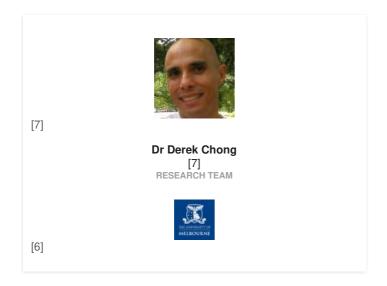
Project: detail Notabs

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.

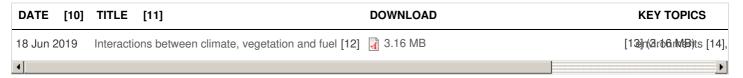
The project had two primary aims:

- 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.

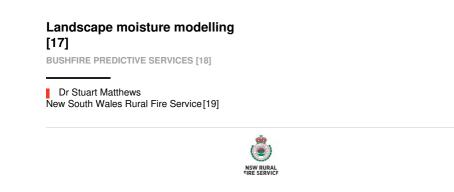
These aims were met by providing:

- 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



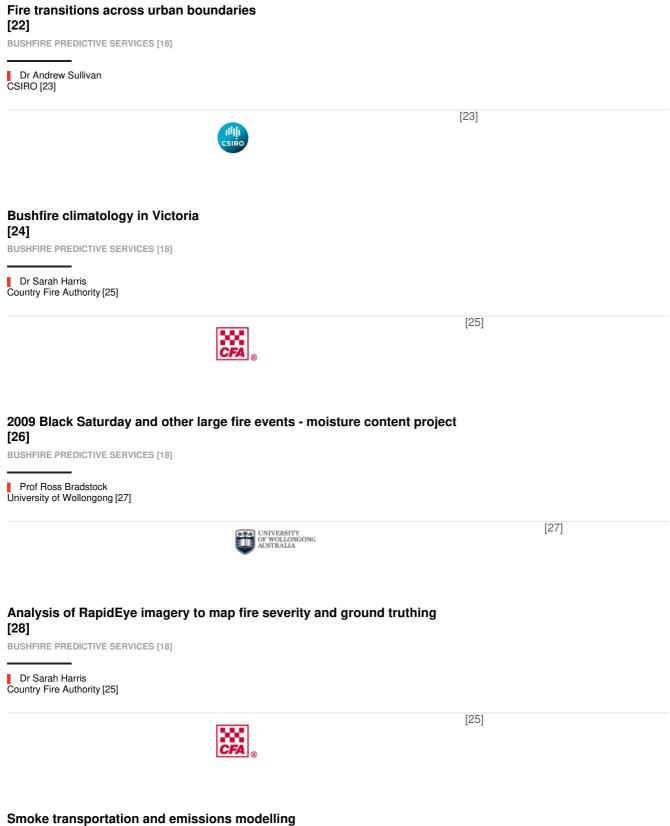
Linked Projects



[19]



[21]



[29]

BUSHFIRE PREDICTIVE SERVICES [18]

Dr Martin Cope CSIRO [23]



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[1] https://www.bnhcrc.com.au/research/topics/fire-severity [2] https://www.bnhcrc.com.au/research/topics/planning [3]

https://www.bnhcrc.com.au/research/topics/response [4] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [5] https://www.bnhcrc.com.au/people/ktolhurst [6] https://www.bnhcrc.com.au/organisations/umelb [7] https://www.bnhcrc.com.au/people/dchong

[8] https://www.bnhcrc.com.au/people/lsturgess [9] https://www.bnhcrc.com.au/organisations/delwp [10]

https://www.bnhcrc.com.au/node/1755/generate-pdf?order=field_date_release&sort=asc [11]

https://www.bnhcrc.com.au/node/1755/generate-pdf?order=title&sort=asc [12] https://www.bnhcrc.com.au/resources/presentation-

slideshow/5645 [13] https://www.bnhcrc.com.au/file/10049/download?token=Qlh-uj88 [14]

https://www.bnhcrc.com.au/research/topics/environments [15] https://www.bnhcrc.com.au/research/topics/fire-weather [16]

https://www.bnhcrc.com.au/research/topics/severe-weather [17] https://www.bnhcrc.com.au/research/understanding-and-mitigatinghazards/1757 [18] https://www.bnhcrc.com.au/research/cluster/bushfire-predictive-services [19] https://www.bnhcrc.com.au/organisations/nswrfs [20] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1760 [21] https://www.bnhcrc.com.au/organisations/rmit [22] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1759 [23] https://www.bnhcrc.com.au/organisations/csiro [24] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1759 [23] https://www.bnhcrc.com.au/organisations/csiro [24] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1754 [25] https://www.bnhcrc.com.au/organisations/cfa [26] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1756 [27] https://www.bnhcrc.com.au/organisations/uow [28] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1765 [29] https://www.bnhcrc.com.au/research/understandi