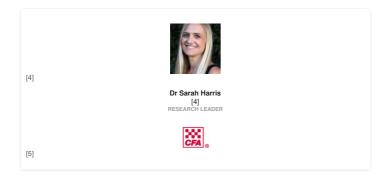
#### COMMISSIONED RESEARCH

Key Topics: • fire [1] • fire weather [2] Bushfire climatology in Victoria [3] This project was commissioned and funded entirely by the Department of Environment, Land, Water and Planning, Victoria.

## Project: detail Notabs

## Research team

## Research leader



## End User representatives



## Description

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

The aim of this project was to:

• explain the past bushfire weather and climate (including surface, synoptic and climate forcings) and how these may vary under climate change projections.

This was achieved through:

- summarising historic bushfire weather and bushfire events and examining the changes in frequency, distribution, seasonaility and fire danger over the last 40 years;
- identifying the preceding and concurrent climate and synoptic conditions to determine how these contribute/influence fire behaviour; and
  analysing the changes in bushfire weather and events under various climate change scenarios.

## **Related News**



18 NOV 2019

New online - November 2019 EMERGENCY MANAGEMENT, ENGINEERING

[8]

## Publications

2019 Journal Article Harris, S. [4] Understanding the variability of Australian fire weather between 1973 and 2017 [9]. PLOS ONE 14, (2019). DOI [10] Google Scholar [11] BibTeX [12] EndNote XML [13]	Year	Туре	Citation
	2019	Journal Article	Harris, S. [4] Understanding the variability of Australian fire weather between 1973 and 2017 [9]. PLOS ONE 14, (2019). DOI [10] Google Scholar [11] BibTeX [12] EndNote XML [13]

# Linked Projects

Severe fire behaviour - improving planning responses	
[14] BUSHFIRE PREDICTIVE SERVICES [15]	
A/Prof Kevin Tolhurst University of Melbourne [16]	
	[16]
2009 Black Saturday and other large fire events - moisture content project [17]	
BUSHFIRE PREDICTIVE SERVICES [15]	
Prof Ross Bradstock University of Wollongong [18]	
UNIVERSITY AUSTRALIA	[18]
ALS I MALA	
Analysis of RapidEye imagery to map fire severity and ground truthing	
[19] BUSHFIRE PREDICTIVE SERVICES [15]	
Dr Sarah Harris	
Country Fire Authority [5]	
	[5]
Smoke transportation and emissions modelling [20]	
USHFIRE PREDICTIVE SERVICES [15]	
Dr Martin Cope CSIRO [21]	
	[21]
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Dr Stuart Matthews	
New South Wales Rural Fire Service [23]	
New South Wales Hurai File Service[23]	

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robability of fire ignition and escalation [4] JSHFIRE PREDICTIVE SERVICES [15]			
Prof John Hearne MIT University [25]			
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ire transitions across urban boundaries 26] JISHFIRE PREDICTIVE SERVICES [15]			
Dr Andrew Sullivan SIRO [21]			
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#### Links

[1] https://www.bnhcrc.com.au/research/topics/fire [2] https://www.bnhcrc.com.au/research/topics/fire [2] https://www.bnhcrc.com.au/research/topics/fire [3] https://www.bnhcrc.com.au/research/topics/fire [2] https://www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire [2] https://www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire www.bnhcrc.com.au/research/topics/fire [1] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [15] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [15] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [16] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1752 [16] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [2] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1752 [2] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [2] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [2] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [2] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [2] https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755 [2] http