



Department of
Environment, Land,
Water & Planning

Department of Environment, Land, Water and Planning, Victoria [1]

[HTTP://WWW.DELWP.VIC.GOV.AU/](http://www.delwp.vic.gov.au/) [2]

The Department of Environment, Land, Water and Planning (DELWP) in Victoria plays a role in helping to prepare for, respond to and recover from an emergency event. DELWP is one of several organisations responsible for managing fire on Victoria's 7.6 million hectares of public land, or roughly one third of the State. This includes reducing the risk of fire, containing outbreaks and managing environmental effects. DELWP also has responsibilities for animal welfare and the recovery of rural enterprises after emergencies such as fires and floods.

Our people



[3]

Andy Ackland

[3]
END-USER



[4]

Elizabeth Ashman

[4]
END-USER



[5]

Peter Ashton

[5]



[6]

Nick Bauer

[6]
END-USER



[7]

Tamara Beckett

[7]
END-USER



[8]

Simone Blair

[8]
END-USER



[9]

Paul Brockhoff
[9]
END-USER



[10]

Rachel Brown
[10]
END-USER



[11]

Georgina Cann
[11]
END-USER



[12]

Greg Chant
[12]
END-USER



[13]

Suzanne Coates
[13]
END-USER



[14]

Adam Damen
[14]
END-USER



[15]

Angus Duckmanton
[15]



[16]

Tom Fairman
[16]
END-USER



[17]

Liam Fogarty
[17]
END-USER

[18]

Gordon Friend
[18]
END-USER

[19]



Andrew Gear
[19]
END-USER

[20]



Anthony Griffiths
[20]
END-USER

[21]



Michael Hodder
[21]
END-USER

[22]



Courtney Johnson
[22]
END-USER

[23]



Laura Little
[23]
END-USER

[24]



Josephine Machunter
[24]

[25]



Lyndal Mackintosh
[25]
END-USER



[26]

Estrella Melero-Blanca
[27]



[28]

Andrew Mellor
[28]
END-USER



[29]

Inneke Nathan
[29]
END-USER



[30]

Dr Jaymie Norris
[30]
END-USER



[31]

Dominic Passaportis
[31]
END-USER



[32]

Kim Payne
[32]
END-USER



[33]

Darcy Prior
[33]
RESEARCHER



[34]

Jan Radic
[34]
END-USER



[35]



[36]

Dylan Rowe
[35]
END-USER

Lauren Sturgess
[36]
END-USER



[37]

Katie Taylor
[37]



[38]

Natalie Tostovrsnik
[38]



[39]

Shannon Treloar
[39]
END-USER



[40]

Tim Von Carate
[40]
END-USER



[41]

Simon Watson
[41]



[42]

Naomi Withers
[42]



[43]

Danni Wright
[43]
END-USER

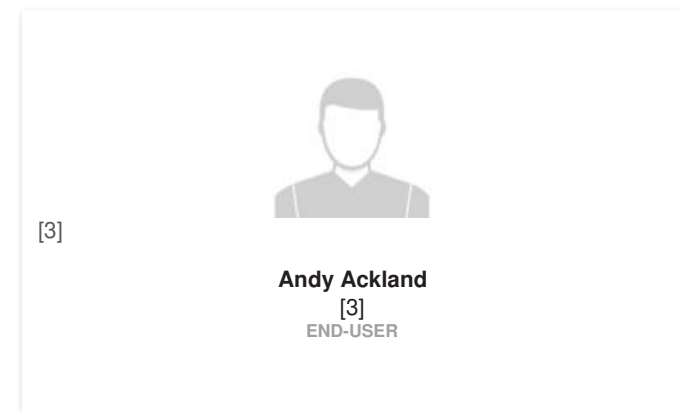


[44]

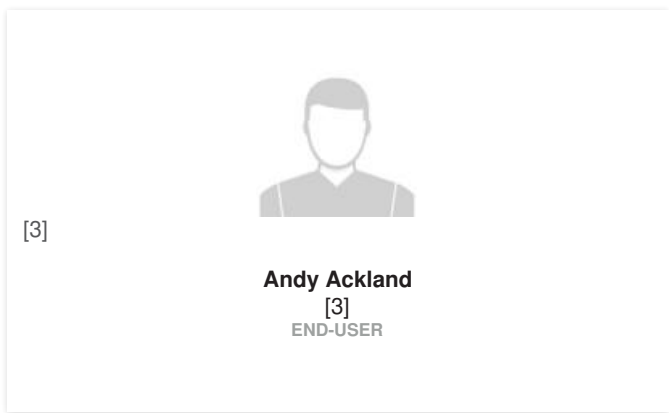
Dr Romy Zyngier
[44]
END-USER

End user representation

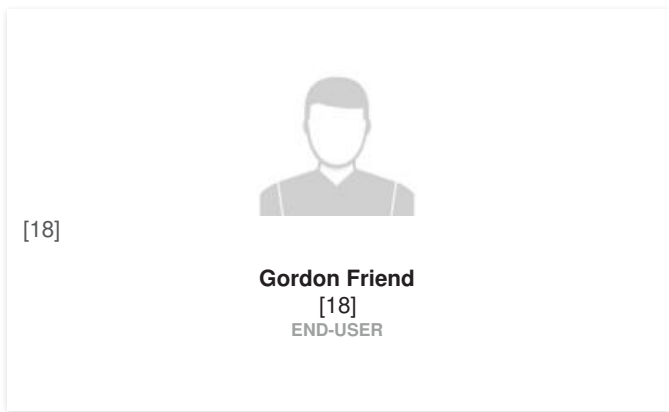
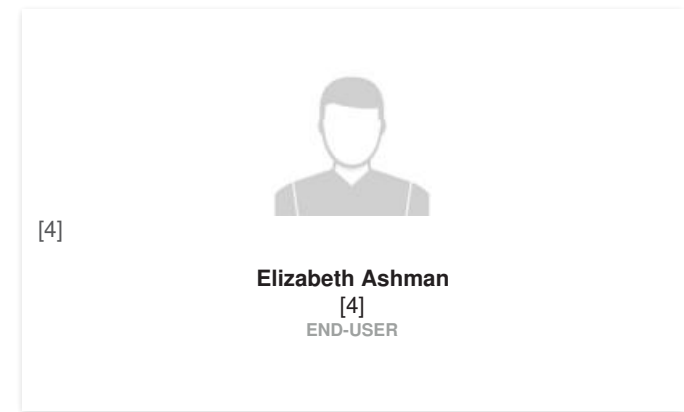
User interface platform for the Victorian historical fire weather gridded dataset [45]



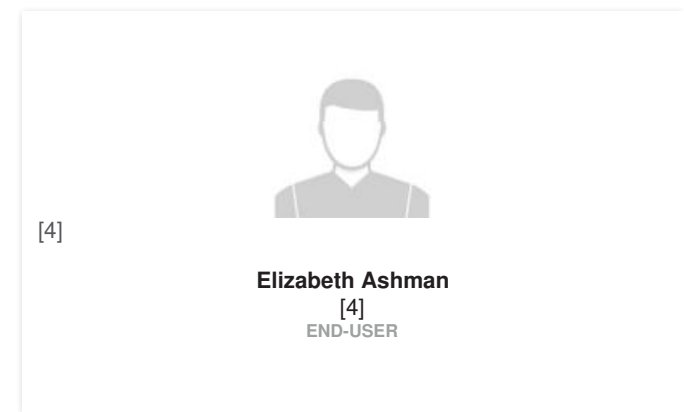
Bushfire climatology in Victoria [46]



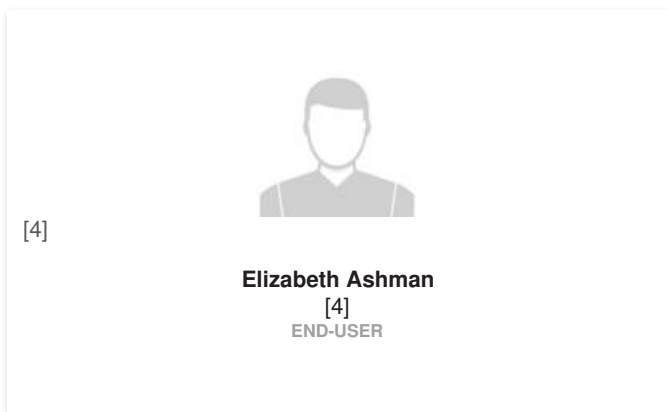
Managing scale and uncertainty in fire management planning incorporating growth stage and habitat analysis [47]



From hectares to tailor made solutions for risk mitigation [48]



Establishing a monitoring, evaluation and reporting framework: stage 2 [49]



Science and Policy Impacts - Establishing a Monitoring, Evaluation and Reporting Framework [50]

Analysis of RapidEye imagery to map fire severity and ground truthing [51]



[4]

Elizabeth Ashman
[4]
END-USER



[6]

Nick Bauer
[6]
END-USER

Fire severity mapping review [52]



[6]

Nick Bauer
[6]
END-USER

Bushfire spatial data models and ignition data [53]



[6]

Nick Bauer
[6]
END-USER

Estimating the social, economic, and environmental costs and benefits of bushfire preparedness and responses operations in the 2013/14 season [54]



[6]

Nick Bauer
[6]
END-USER

Smoke impacts on community health and social perceptions [55]



[7]

Tamara Beckett
[7]
END-USER

The Australian Natural Disaster Resilience Index: A system for assessing the resilience of Australian communities to natural hazards [56]

Hazards, culture and Indigenous communities [57]

Assessing the economic value and vulnerability of nature based tourism

[7]



Tamara Beckett
[7]
END-USER

[8]



Simone Blair
[8]
END-USER

[25]



Lyndal Mackintosh
[25]
END-USER

industry [58]

[8]



Simone Blair
[8]
END-USER

2009 Black Saturday and other large fire events - moisture content project [59]

[9]



Paul Brockhoff
[9]
END-USER

Update to the 2008 Wood and Water Study [60]

[10]



Rachel Brown
[10]
END-USER

[16]



Tom Fairman
[16]
END-USER

Urban planning for natural hazard mitigation [61]

[11]



Georgina Cann

[11]
END-USER

The human dimensions of environmental crime [62]

[19]



Andrew Gear
[19]
END-USER

[12]



Greg Chant
[12]
END-USER

[22]



Courtney Johnson
[22]
END-USER

Fire surveillance and hazard mapping [63]

[14]



Adam Damen
[14]
END-USER

[20]



Anthony Griffiths
[20]
END-USER

[43]



Danni Wright
[43]
END-USER

Identifying planned burn windows [64]

[15]



Mapping and understanding bushfire and natural hazard vulnerability and risks at the institutional scale [65]

Models for lightning-caused wildfire ignition [66]

Angus Duckmanton
[15]



[17]

Liam Fogarty
[17]
END-USER



[17]

Liam Fogarty
[17]
END-USER

Smoke transportation and emissions modelling [67]



[17]

Liam Fogarty
[17]
END-USER

Fire transitions across urban boundaries [68]



[17]

Liam Fogarty
[17]
END-USER

Fire severity rating [69]



[17]

Liam Fogarty
[17]
END-USER

Accurate location of buildings and its importance in bushfire damage assessment [70]



[17]

Liam Fogarty
[17]
END-USER

Managing animals in disasters: improving preparedness, response, and resilience through individual and organisational collaboration [71]

Social values in bushfire management decision making [72]



[21]

Michael Hodder
[21]
END-USER

Social, economic, and environmental impacts of the 2012/13 Victorian fire season [73]



[23]

Laura Little
[23]
END-USER



[23]

Laura Little
[23]
END-USER

Risk communications in Victoria [74]



[23]

Laura Little
[23]
END-USER

Understanding the impact of climate change on fire weather variables [75]



[26]

Estrella Melero-Blanca
[26]

Landscape moisture modelling [76]



[28]

Andrew Mellor
[28]

Planned burn mapping in Victoria using remote sensing [77]

Ecosystem resilience - technological advances to increases efficiency of ecosystem resilience monitoring [78]

Assessment and calibration of fuel

END-USER



[28]

Andrew Mellor
[28]
END-USER



[29]

Inneke Nathan
[29]
END-USER



[37]

Katie Taylor
[37]



[41]

Simon Watson
[41]

moisture sensors [79]



[44]

Dr Romy Zyngier
[44]
END-USER



[34]

Jan Radic
[34]
END-USER

Scientific diversity and uncertainty in risk mitigation policy and planning [80]

escalation [81] Probability of fire ignition and

[35]



Dylan Rowe
[35]
END-USER

[36]



Lauren Sturgess
[36]
END-USER

Severe fire behaviour - improving planning responses [82]

[36]



Lauren Sturgess
[36]
END-USER

Evaluation of ecosystem resilience data [83]

[37]



Katie Taylor
[37]

[41]



Simon Watson
[41]

Dynamic smoke modelling and community impact of smoke [84]

[38]



Natalie Tostovrsnik
[38]

Plume and air quality modelling [85]

[38]



Natalie Tostovrsnik
[38]

Scientifically Based Monitoring [86]

[39]



Shannon Treloar
[39]

Ecosystem resilience – establishment of collection and analyses for the third of 11 priority Ecological Fire Groups [87]



[41]

Simon Watson
[41]

Using pre and post fire LiDAR to assess the severity of the 2019 Tasmanian Bushfires [88]



[41]

Simon Watson
[41]

Creation of a grassland curing dataset [89]



[43]

Danni Wright
[43]
END-USER

Source URL: <https://www.bnhcrc.com.au/node/291/generate-pdf>

Links

[1] <https://www.bnhcrc.com.au/organisations/delwp> [2] <http://www.delwp.vic.gov.au/> [3] <https://www.bnhcrc.com.au/people/aackland> [4] <https://www.bnhcrc.com.au/people/eashman> [5] <https://www.bnhcrc.com.au/people/pashton> [6] <https://www.bnhcrc.com.au/people/nbauer> [7] <https://www.bnhcrc.com.au/people/tbeckett> [8] <https://www.bnhcrc.com.au/people/sblair> [9] <https://www.bnhcrc.com.au/people/pbrockhoff> [10] <https://www.bnhcrc.com.au/people/rbrown> [11] <https://www.bnhcrc.com.au/people/gcann> [12] <https://www.bnhcrc.com.au/people/gchant> [13] <https://www.bnhcrc.com.au/people/scoates> [14] <https://www.bnhcrc.com.au/people/adamen> [15] <https://www.bnhcrc.com.au/people/angus-duckmanton> [16] <https://www.bnhcrc.com.au/people/tfairman> [17] <https://www.bnhcrc.com.au/people/lfogarty> [18] <https://www.bnhcrc.com.au/people/gfriend> [19] <https://www.bnhcrc.com.au/people/agrear> [20] <https://www.bnhcrc.com.au/people/agriffiths> [21] <https://www.bnhcrc.com.au/people/mhodder> [22] <https://www.bnhcrc.com.au/people/cjohnson> [23] <https://www.bnhcrc.com.au/people/little> [24] <https://www.bnhcrc.com.au/people/josephine-machunter> [25] <https://www.bnhcrc.com.au/people/lmackintosh> [26] <https://www.bnhcrc.com.au/people/estrella-melero-blanca> [27] <https://www.bnhcrc.com.au/people/estrella-melero...> [28] <https://www.bnhcrc.com.au/people/amellor> [29] <https://www.bnhcrc.com.au/people/inathan> [30] <https://www.bnhcrc.com.au/people/jnorris> [31] <https://www.bnhcrc.com.au/people/dpassaportis> [32] <https://www.bnhcrc.com.au/people/kpayne> [33] <https://www.bnhcrc.com.au/people/dprior> [34] <https://www.bnhcrc.com.au/people/jradic> [35] <https://www.bnhcrc.com.au/people/drowe> [36] <https://www.bnhcrc.com.au/people/lsturgess> [37] <https://www.bnhcrc.com.au/people/katie-taylor> [38] <https://www.bnhcrc.com.au/people/natalie-tostovrsnik> [39] <https://www.bnhcrc.com.au/people/streloar> [40] <https://www.bnhcrc.com.au/people/tvoncarate> [41] <https://www.bnhcrc.com.au/people/simon-watson> [42] <https://www.bnhcrc.com.au/people/nwithers> [43] <https://www.bnhcrc.com.au/people/dwright> [44] <https://www.bnhcrc.com.au/people/rzyngier> [45] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/5312> [46] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1754> [47] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1763> [48] <https://www.bnhcrc.com.au/research/riskmitigationsolutions> [49] <https://www.bnhcrc.com.au/research/policy-and-economics-hazards/1767> [50] <https://www.bnhcrc.com.au/research/economics-policy-and-decision-making/1766> [51]

<https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1765> [52] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1764> [53] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1776> [54] <https://www.bnhcrc.com.au/research/policy-and-economics-hazards/1772> [55] <https://www.bnhcrc.com.au/research/resilience-hazards/1761> [56] <https://www.bnhcrc.com.au/research/resilienceindex> [57] <https://www.bnhcrc.com.au/research/indigenouscommunities> [58] <https://www.bnhcrc.com.au/research/policy-and-economics-hazards/1770> [59] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1756> [60] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/6535> [61] <https://www.bnhcrc.com.au/research/urbanplanning> [62] <https://www.bnhcrc.com.au/research/policy-and-economics-hazards/6548> [63] <https://www.bnhcrc.com.au/research/firesurveillance> [64] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/5307> [65] <https://www.bnhcrc.com.au/research/vulnerabilityandrisks> [66] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/2326> [67] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1762> [68] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1759> [69] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1758> [70] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/2689> [71] <https://www.bnhcrc.com.au/research/animalsindisasters> [72] <https://www.bnhcrc.com.au/research/policy-and-economics-hazards/1769> [73] <https://www.bnhcrc.com.au/research/policy-and-economics-hazards/1768> [74] <https://www.bnhcrc.com.au/research/resilience-hazards/1771> [75] <https://www.bnhcrc.com.au/research/resilience-hazards/5309> [76] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1757> [77] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1773> [78] <https://www.bnhcrc.com.au/research/resilience-hazards/6547> [79] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1774> [80] <https://www.bnhcrc.com.au/research/scientificdiversity> [81] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1760> [82] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/1755> [83] <https://www.bnhcrc.com.au/research/resilience-hazards/5305> [84] <https://www.bnhcrc.com.au/research/resilience-hazards/5314> [85] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/5311> [86] <https://www.bnhcrc.com.au/research/bushfire-and-natural-hazard-risks/1775> [87] <https://www.bnhcrc.com.au/research/resilience-hazards/6546> [88] <https://www.bnhcrc.com.au/research/understanding-and-mitigating-hazards/6030> [89] <https://www.bnhcrc.com.au/research/resilience-hazards/5313>