



Managing animals during a hazard (Bendigo Advertiser)

- Key Topics:
- animals [2]
 - communication [3]
 - risk management [4]

Managing animals in disasters: improving preparedness, response, and resilience through individual and organisational collaboration [5]
During a disaster responsibility for animals lies with the owner. However, owners are often ill-prepared for themselves and their animals, which can lead to people risking their lives by failing to evacuate or evacuating too late, which endangers both human and animal lives. This recognition that animals need to be considered and integrated into emergency management and disaster preparedness, response, and recovery poses additional challenges for traditional responding. Extra preparation, knowledge and skills are required to ensure the safety of animals, their owners, and responders.

In this context, animal emergency management has emerged as a relatively new area, with a more complex and often less experienced set of stakeholders requiring integration and coordination.

This study addressed the lack of Australian research by identifying challenges for end-users and studying the disaster experiences of animal owners and responders. Subsequent publications have led to an extended knowledge base, and identification of best practice approaches.

Project: detail Notabs

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Description

During a disaster responsibility for animals lies with the owner. However, owners are often ill-prepared for themselves and their animals, which can lead to people risking their lives by failing to evacuate or evacuating too late, which endangers both human and animal lives. This recognition that animals need to be considered and integrated into emergency management and disaster preparedness, response, and recovery poses additional challenges for traditional responding. Extra preparation, knowledge and skills are required to ensure the safety of animals, their owners, and responders.

In this context, animal emergency management has emerged as a relatively new area, with a more complex and often less experienced set of stakeholders requiring integration and coordination.

Most research in the area has emerged from the United States following extensive and widely-reported animal-related challenges associated with Hurricane Katrina in 2005. Although animal owners in the US and Australia will share many of the same characteristics and behaviours, the emergency management arrangements and typical scale of disasters are quite different, making translation of US research to Australia difficult.

The National Strategy for Disaster Resilience states that communities should be empowered to take shared responsibility for disaster resilience. Animals provide an avenue to connect communities, and to enable community members to work together in disaster preparedness and planning.

This study addressed the lack of Australian research by identifying challenges for end-users and studying the disaster experiences of animal owners and responders. Subsequent publications have led to an extended knowledge base, and identification of best practice approaches.


Case studies were undertaken on the 2015 Sampson Flat bushfire in South Australia, as well as with the Tasmania Fire Service and its Bushfire Ready Neighbourhoods program. The team collaborated with a newly-formed community-led group in the NSW Blue Mountains called Blue Mountains Animal Ready Community (Blue ARC). The research explored a 'community-to- community' approach to enhancing awareness, preparedness and planning for animals in emergencies.

Key findings show that over 60% of respondents expected the emergency services would provide information or advice regarding what they could do with their animals in an emergency situation. This expectation was higher than other groups, such as veterinarians or the RSPCA. A generally low level of planning was reflected in the experiences of those who had evacuated during the 2013 fires. Although most respondents reported taking animals with them when they evacuated, some reported leaving a person behind to look after the animals, and others had to choose which animals to leave.

This research will inform the production of a community guide to establishing an animal ready community; a resource that could be used by other communities to promote emergency preparedness and planning through a focus on animals. This will include helpful advice for the steps involved, the networks and collaborations required, how to identify the needs of local animal owners, and suggestions for community activities.

[Read the final report here.](#) [32]

Download:

 Managing Animals in Disasters - project overview [33]

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24 AUG 2021

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COMMUNICATION, COMMUNITIES

[34]



Creating a community that is animal-ready during emergencies
ANIMALS, COMMUNICATION

18 MAR 2021

[35]



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Animal preparedness research shines again
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[36]



24 SEP 2020

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[37]



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COMMUNICATION, FIRE

[38]



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FIRE, FIRE SEVERITY

[39]



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CLIMATE CHANGE, COMMUNICATION

[42]



14 MAY 2019

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COMMUNITIES, EMERGENCY MANAGEMENT

[43]



12 DEC 2018

Emergency planning for animals
ANIMALS, COMMUNITIES

[44]



07 DEC 2018

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CYCLONE, EMERGENCY MANAGEMENT

[45]



06 DEC 2018

Research benefits flowing
DECISION MAKING, FIRE

[46]



15 NOV 2018

New online – November 2018
EARTHQUAKE, MODELLING

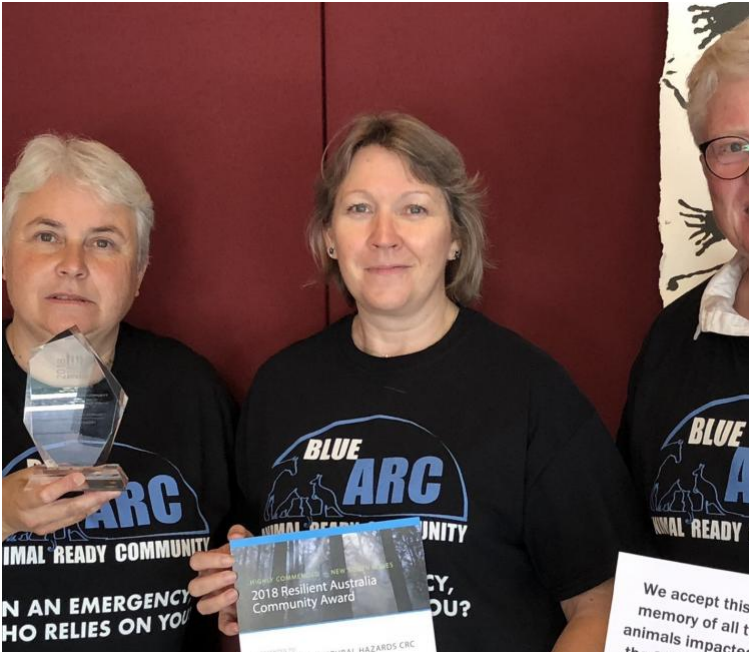
[47]



26 OCT 2018

Wrangling llamas in the laundry, the scratchy bits and the bitey end, stockings for muzzles, and keeping out of the kicking zone!
ANIMALS, COMMUNITIES

[48]



22 OCT 2018

Recognition for animal research
ANIMALS, COMMUNITIES

[49]



19 SEP 2018

Three notable contributions at AFAC18
ANIMALS, CHILD-CENTRED

[50]



21 AUG 2018

New online - August 2018
CHILD-CENTRED, EMERGENCY MANAGEMENT

[51]



Animal research awarded
ANIMALS, COMMUNICATION

12 JUN 2018

[52]



New online - May 2018

21 MAY 2018

[53]



Lessons learnt post-disaster
EMERGENCY MANAGEMENT, MITIGATION

04 MAY 2018

[54]



New online - December 2017
EMERGENCY MANAGEMENT, LAND MANAGEMENT

19 DEC 2017

[55]



18 DEC 2017

Emergency planning for animals
ANIMALS, COMMUNITIES

[56]



15 DEC 2017

Managing animals in emergencies
ANIMALS, RESILIENCE

[57]



15 DEC 2017

Collaboration, community preparedness and updated priorities for natural hazards research
COMMUNITIES, EMERGENCY MANAGEMENT

[58]



08 NOV 2017

Research featured in Journal
EMERGENCY MANAGEMENT, MULTI-HAZARD

[59]

Your voice, their lives.



Animals in Emergencies Survey

Participants wanted for survey on animal owners' emergency preparedness and planning
ANIMALS, COMMUNICATION

08 MAR 2017

[60]



New online - February 2017

08 FEB 2017

[61]



28 NOV 2016

Participants needed for bushfire community preparation survey
ANIMALS, COMMUNITIES

[62]



23 FEB 2016

Managing Animals in Disasters - newsletter

[63]



01 DEC 2015

Researchers recognised by CQUniversity
CHILD-CENTRED, COMMUNITIES

[64]



15 OCT 2015

Quick science in videos
COMMUNICATION, DECISION MAKING

[65]



08 OCT 2015

Recognised for fire work

[66]



15 JUL 2015

Animal plans discussed in podcast
ANIMALS, DECISION MAKING

[67]



14 MAY 2015

Special AJEM features CRC researchers on animals in disasters
ANIMALS, COMMUNICATION

[68]



20 MAR 2015

Kirrilly Thompson awarded by ABC, UNSW
ANIMALS, COMMUNICATION

[69]



09 FEB 2015

Newsletter - Communications and warnings cluster
COMMUNICATION, COMMUNITIES

[70]



24 JUL 2014

Newsletter - Managing Animals in Disasters
ANIMALS, COMMUNICATION

[71]

Publications

Year	Type	Citation
2019	Report	Taylor, M. [6] Managing animals in disasters (MAID) - improving preparedness, response and resilience through individual and organisational collaboration: Final Report 2017 [32]. (Bushfire and Natural Hazards CRC, 2019). Google Scholar [33] BibTeX [34] EndNote XML [35]
2018	Journal Article	Taylor, M. [6], McCarthy, M. [75] & Bigelow, J. [76] Emergency preparedness and planning for animals: a case study in the Blue Mountains, NSW [77]. <i>Australian Journal of Emergency Management</i> 33 , (2018). Google Scholar [78] BibTeX [79] EndNote XML [80]
2018	Journal Article	O'Dwyer, L. [81] & Thompson, K. [10] Bushfire Preparedness, Planning, and Response among Animal Guardians: A South Australian Case Study [82]. <i>PLOS Current Disasters</i> (2018). doi:10.6084/m9.figshare.2542111
2018	Journal Article	Taylor, M. [6] & McCarthy, M. [75] Animal emergency management in South Australia: a case study of the Sampson Flat bushfire [87]. <i>Australian Journal of Emergency Management</i> 33 , (2018). Google Scholar [88] BibTeX [89] EndNote XML [90]
2018	Journal Article	O'Dwyer, D. Lisel [91] & Thompson, K. [10] Attachment, bushfire preparedness, planning, and response among animal guardians: A South Australian case study [92]. <i>PLOS</i> (2018). at <http://cu
2017	Conference Paper	Rumsewicz, M. [97] Research proceedings from the 2017 Bushfire and Natural Hazards CRC and AFAC Conference [98]. <i>Bushfire and Natural Hazards CRC & AFAC annual conference 2017</i> (Bushfire and Natural Hazards CRC, 2017). Google Scholar [99] BibTeX [100] EndNote XML [101]
2017	Conference Paper	Taylor, M. [6], McCarthy, M. [75] & Bigelow, J. [76] Building an ARC in the mountains: a community-led initiative to build an animal-ready community (ARC) in the NSW Blue Mountains to provide support for animal guardians [102]. <i>Bushfire and Natural Hazards CRC & AFAC annual conference 2017</i> (Bushfire and Natural Hazards CRC, 2017). Google Scholar [103] BibTeX [104] EndNote XML [105]
2017	Journal Article	Thompson, K. [10], Trigg, J. [106] & Smith, B. P. [107] Animal ownership among vulnerable populations in regional South Australia: implications for natural disaster preparedness and resilience [108]. <i>Journal of Emergency Management</i> 17 , (2017). Google Scholar [109] BibTeX [110] EndNote XML [111]
2017	Journal Article	Westcott, R. [30], Ronan, K. [113], Bambrick, H. [114] & Taylor, M. [6] "Don't Just Do Something .. Stand There!" Emergency Responders' Peri-Incident Perceptions of Animal Owners in Bushfire Incidents [115]. <i>Journal of Emergency Management</i> 17 , (2017). Google Scholar [116] BibTeX [117] EndNote XML [118]
2017	Journal Article	Thompson, K. [10], Haigh, L. [120] & Smith, B. P. [107] Planned and ultimate actions of horse owners facing a bushfire threat: Implications for natural disaster preparedness and survivability [121]. <i>Journal of Emergency Management</i> 17 , (2017). Google Scholar [122] BibTeX [123] EndNote XML [124]
2017	Journal Article	Trigg, J. [106], Smith, B. P. [107], Bennett, P. [126] & Thompson, K. [10] Developing a scale to understand willingness to sacrifice personal safety for companion animals: The Pet-Owner Risk Perception Scale [127]. <i>Journal of Emergency Management</i> 17 , (2017). Google Scholar [128] BibTeX [129] EndNote XML [130]
2016	Journal Article	Trigg, J. [106], Thompson, K. [10], Smith, B. P. [107] & Bennett, P. [126] An animal just like me: the importance of preserving the identities of companion-animal owners in disaster contexts [131]. <i>Journal of Emergency Management</i> 16 , (2016). Google Scholar [132] BibTeX [133] EndNote XML [134]
2016	Journal Article	Every, D. [137], Due, C. [138], Thompson, K. [10] & Ryan, J. [139] Conflicting perspectives on nonhuman animal rescues in natural disasters [140]. <i>Society & Animals</i> 24 , 358-382 (2016). DOI [141] Google Scholar [142] BibTeX [143] EndNote XML [144]
2016	Journal Article	Trigg, J. [106], Thompson, K. [10], Smith, B. P. [107] & Bennett, P. [126] A moveable beast: subjective influence of human-animal relationships on risk perception and risk behaviour during bushfire incidents [145]. <i>Journal of Emergency Management</i> 16 , (2016). Google Scholar [146] BibTeX [147] EndNote XML [148]
2016	Report	Taylor, M. [6] Managing Animals in Disasters - improving preparedness, response and resilience through organisational collaboration: Annual project report 2015-2016 [149]. (Bushfire and Natural Hazards CRC, 2016). Google Scholar [150] BibTeX [151] EndNote XML [152]
2015	Conference Paper	Taylor, M. [6] <i>et al.</i> Experiences of responders in supporting animals and their owners in disasters Conference Paper 2014 [153]. <i>Bushfire and Natural Hazards CRC and AFAC Wellington Conference 2015</i> (Bushfire and Natural Hazards CRC, 2015). Google Scholar [154] BibTeX [155] EndNote XML [156]
2015	Conference Paper	Rumsewicz, M. [97] Research proceedings from the 2015 Bushfire and Natural Hazards CRC & AFAC conference [157]. <i>Bushfire and Natural Hazards CRC & AFAC annual conference 2015</i> (Bushfire and Natural Hazards CRC, 2015). Google Scholar [158] BibTeX [159] EndNote XML [160]
2015	Conference Paper	Taylor, M. [6], McCarthy, M. [75] & Eustace, G. [8] The integration of informal volunteers into animal emergency management: experiences from the 2015 South Australian bushfires - non-peer reviewed [161]. <i>Bushfire and Natural Hazards CRC & AFAC annual conference 2015</i> (Bushfire and Natural Hazards CRC, 2015). Google Scholar [162] BibTeX [163] EndNote XML [164]
2015	Journal Article	Trigg, J. [106], Smith, B. P. [107] & Thompson, K. [10] Does emotional closeness to pets motivate their inclusion in bushfire survival plans? Implications for emergency communicators [165]. <i>Journal of Emergency Management</i> 16 , (2015). Google Scholar [166] BibTeX [167] EndNote XML [168]
2015	Journal Article	Westcott, R. [30] People and their animals in emergencies: snapshots from past emergency events [169]. <i>Australian Journal of Emergency Management</i> 30 , (2015). Google Scholar [170] BibTeX [171] EndNote XML [172]
2015	Journal Article	Smith, B. P. [107], Thompson, K. [10] & Taylor, M. [6] What's the Big Deal? Responder Experiences of Large Animal Rescue in Australia [173]. <i>PLOS Currents Disasters</i> (2015). doi:10.1371/currents.disasters.1000173
2015	Journal Article	Taylor, M. [6], Lynch, E. [178], Burns, P. [12] & Eustace, G. [8] The preparedness and evacuation behaviour of pet owners in emergencies and natural disasters [179]. <i>Australian Journal of Emergency Management</i> 30 , (2015). Google Scholar [180] BibTeX [181] EndNote XML [182]
2015	Journal Article	Thompson, K. [10], Leighton, M. [183] & Riley, C. [184] Helping hands, hurting hooves: towards a multidisciplinary paradigm of large animal rescue [185]. <i>Australian Journal of Emergency Management</i> 30 , (2015). Google Scholar [186] BibTeX [187] EndNote XML [188]
2015	Journal Article	Thompson, K. [10] For pet's sake, save yourself! Motivating emergency and disaster preparedness through relations of animal guardianship [189]. <i>Australian Journal of Emergency Management</i> 30 , (2015). Google Scholar [190] BibTeX [191] EndNote XML [192]
2015	Journal Article	Smith, B. P. [107], Taylor, M. [6] & Thompson, K. [10] Risk perception, preparedness and response of livestock producers to bushfires: a South Australian case study [193]. <i>Australian Journal of Emergency Management</i> 30 , (2015). Google Scholar [194] BibTeX [195] EndNote XML [196]
2015	Journal Article	Taylor, M. [6] <i>et al.</i> The challenges of managing animals and their owners in disasters: perspectives of Australian response organisations and stakeholders [197]. <i>Australian Journal of Emergency Management</i> 30 , (2015). Google Scholar [198] BibTeX [199] EndNote XML [200]
2015	Report	Taylor, M. [6] Managing animals in disasters: Annual project report 2014-2015 [201]. (Bushfire and Natural Hazards CRC, 2015). Google Scholar [202] BibTeX [203] EndNote XML [204]
2015	Report	Taylor, M. [6] Managing Animals in Disasters: Improving Preparedness, Response and Resilience Annual Report 2014 [205]. (2015). Google Scholar [206] BibTeX [207] EndNote XML [208]
2015	Report	Taylor, M. [6], Eustace, G. [8] & McCarthy, M. [75] Animal Emergency Management in Australia [209]. (2015). Google Scholar [210] BibTeX [211] EndNote XML [212]

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27 Mar 2014	Managing animals in disasters [215]	1.74 MB	communities [217], resili
24 Jul 2014	MAiD newsletter 1 - July 2014 [219]	387.93 KB	(387.93 KB)
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27 Oct 2014	Managing animals in disasters (MAiD): Experiences of emergency services personnel [224]		animals [2], emergency managemen
27 Oct 2014	Out of sight, out of mind: Increasing the disaster resilience of homeless people [225]		animals [2], risk management [4]
10 Apr 2015	Managing Animals in Disasters 2015 NSW RAF Presentation [226]	2.09 MB	emergency managemen
11 Sep 2015	The integration of informal volunteers into animal emergency management [229]	2.23 MB	risk management [4]
21 Oct 2015	Turning warnings into action [231]	236.32 KB	[3], tsunami [233], wa
25 Nov 2015	Managing Animals in Disasters - project overview video [235]	0 bytes	communication [3], risk
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30 Jun 2017	Community taking lead in emergency planning for their animals [239]	645.15 KB	communication [3], com
07 Jul 2017	Communicating and warning: getting the message across more effectively [241]	4.79 MB	[3], flood [243], warn
15 Dec 2017	Fire Australia Issue Four 2017 [244]	5.67 MB	management [223], multi
15 Jul 2019	Community preparedness, warnings and response to 2017 NSW fires [247]	0 bytes	communication [3], communities [21
27 Aug 2019	Promoting community resilience through connection to animals [249]	4.79 MB	[217]
24 Sep 2019	Managing Animals in Disaster (MAiD) [251]	10.73 MB	[228]
16 Dec 2019	Animal ready community bushfire preparedness [253]	0 bytes	preparedness [255]
23 Sep 2020	Keeping Your Animals Safe in an Emergency (Hawkesbury-Nepean region) [256]	2.77 MB	communication [3], risk
23 Sep 2020	Keeping Your Animals Safe in an Emergency (Blue Mountains) [258]	1.48 MB	communication [3], risk
25 Nov 2020	Emergency planning for animals [260]		animals [2], communities [217], plan
18 Mar 2021	Fire Australia Issue One 2021 [262]	5.2 MB	communities [217], seve
13 Aug 2021	Driving change: the evolution of communications and warnings in emergency preparedness, response and recovery [265]		communication [3], communities [21
13 Aug 2021	Hon A/Prof Mel Taylor interview: managing animals in disasters [266]	0 bytes	decision making [268], p
13 Aug 2021	Preparedness 2: Managing animals in disasters [269]	0 bytes	decision making [268], p
13 Aug 2021	The evolution of communications and warnings in emergency preparedness, response and recovery [271]	0 bytes	ion [3], communities [21
13 Aug 2021	Trailer, Preparedness 2: Managing animals in disasters [273]	0 bytes	decision making [268], p

Posters



Managing animals in disasters (MAiD): Improving preparedness, response, and resilience through individual and organisational collaboration

The Managing Animals in Disasters project (MAiD) is seeking to identify and build best practice approaches to...



Managing Animals in Disasters (MAiD): Improving Preparedness, Response, and Resilience through Individual and Organisational Collaboration

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The integration of informal volunteers into animal emergency management. Managing Animals in Disasters (MAiD): improving preparedness, response, and resilience through individual and organisational collaboration

INFRASTRUCTURE [278], RESILIENCE [218]

This project is leveraging current initiatives, programs and research on prevention and preparedness by...



[279]

Managing Animals in Disasters (MAiD): Improving preparedness, response, and resilience through individual and organisational collaboration

[279]

ANIMALS [2], COMMUNICATION [3]

This project aims to identify and build best practice approaches to animal emergency management to enable...

27 AUG 2019

Developing a Hawkesbury-Nepean Animal Ready Community

[280]

ANIMALS [2]

Utilising BNHCRC research as part of the Hawkesbury-Nepean Valley Flood Risk Management Strategy



[281]

Flood Risk Communication

[281]

ANIMALS [2]


Key findings: More than 90% of people who drive through floodwater experience no adverse consequences

Linked Projects

Effective risk and warning communication during natural hazards

[282]

COMMUNICATION AND WARNINGS [283]

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[285]

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 Dr Briony Towers
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Improving the role of hazard communications in increasing residents' preparedness and response planning

[287]

COMMUNICATION AND WARNINGS [283]

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[288]

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