

Our team



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Behavioural Designer



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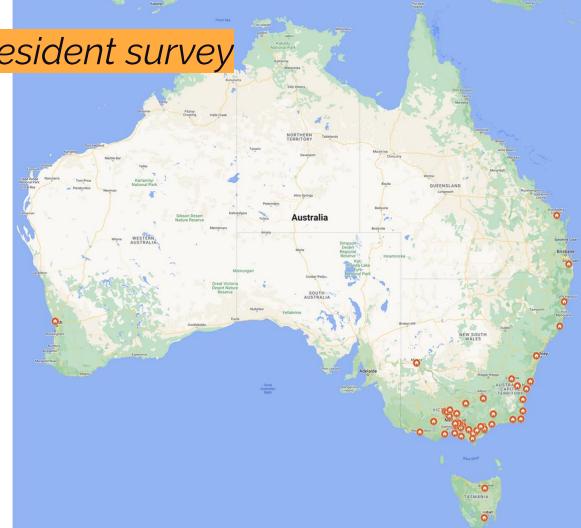
Rachael Vorwerk

Science Communicator



Resident survey

- 181 respondents across Australia
- Strong desire for accessible, community based preparedness education
- 50% of respondents did not have bushfire plan or emergency kit
- Information overwhelm/messaging fatigue
- Frustrations with communication infrastructure during the bushfire event





I don't know how to prepare

Not sure what a bushfire emergency kit is!



Information campaigns what to keep in your car, safer places to stop, what not to do (e.g don't jump in a tank) Location specific scenarios and storytelling helps give better understanding Keep it real, get the community not the agencies driving the process and trust the skills that are already in the community

Having a **list of what you need to do** and when and what you need to
buy and have ready that could be
ticked off as you do it/buy it and
refreshes ready for the next year
each year would be great.
On my phone!

I'm always open to more bushfire knowledge All in one app with checklists and maps for preparation

Consider online
engagement platforms at
times likely to suit working
people (ie. after-hours
zoom meetings)

The CFA website and Emergency website do not link seamlessly to provide details of up to date emergency. The CFA website takes about 5 clicks before you can get information on emergencies that then takes you to another website during bushfire season. Poorly designed

Include safety information, practical information on planning tailored to the area and likely type of threat

I have a first aid kit so guessing I should add to that. Would be good to know what a bushfire emergency kit is. Ongoing discourse and engagement activities that address the complete living with bushfire story

Not aware there was such a thing [as a bushfire emergency kit]

More knowledge

Make it **simple** yet comprehensive

Leading up to the bushfire season suggesting **strategies** to be fire ready... this could be an education process via a game. People would then know they need to leave as they would be educated



User experience journey



Bush fire survival plan

See agreement for a few orders of the passing the first Make a pass for another course yet, how would prove on Effects a few courses.

BY I LEWIS



Know your risk

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MINNER



Prepare your home

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Prepare yourself and family

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READER



Prepare your home

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Prepare yourself and family

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READMONE



Fire Danger Ratings

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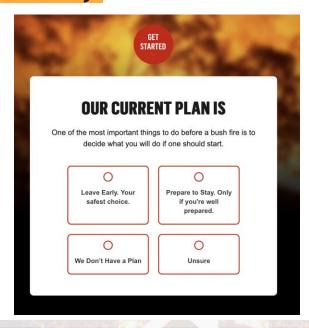
BEAT PARE



Alert Levels

Our equipment on Give, is with expensive to processors which are of the level of those forms of the Remember – than the form wereing it was those the rest species on public Parvinsia, not be and the form a year of

REMOVERS









Dr Ken Strahan Social science researcher



International Journal of Disaster Risk Reduction Volume 27, March 2018, Pages 307-316



Self-evacuation archetypes in Australian bushfire *

Ken Strahan a A □, Joshua Whittaker b, John Handmer a



Community Guided

You are committed to evacuating and will follow community advice to do so. You make moderate preparations to your household to protect it in your absence and have materials ready to protect it from spot



Considered Evacuator

You understand that evacuation is the best way to protect yourself and your property. You make moderate preparations to your house in your absence.

Which bushfire evacuation archetype are you?

Learn about the different archetypes underpinning the How prepared are you for a bushfire? web application.



Threat Denier

You are highly committed to remaining and do not perceive bushfires as a threat. You don't own fire fighting equipment. protective clothing, and don't make any preparations for your property.



Responsibility Denier You are highly committed to evacuating in a

bushfire but expect others to direct and

assist. You do minimal preparation to your

house in the lead up to the bushfire season.

Experienced Independent

You are committed to defending your property, but are willing to evacuate in certain circumstances. You thoroughly prepare your property in the lead up to the bushfire season.



Worried Waverer

You are prepared to stay and defend your property, but worry you lack experience. This often leads you to wavering between staving or going. You thoroughly prepare your property in the lead up to the bushfire season.



Dependent Evacuator

You are highly committed to evacuating but you rely on others to direct and assist you. You do minimal preparation to your property in the lead up to the bushfire season.



Stream 2 BCRRF Grant



Australia wide campaign



Greater Sydney, Hunter and Central region campaign





1 tailored campaign for a local council area





How prepared are you for a bushfire?

Take this 10 minute quiz to find out.

This tool gives you insight into how prepared you are for a bushfire, your strengths, and things you could do to better prepare.

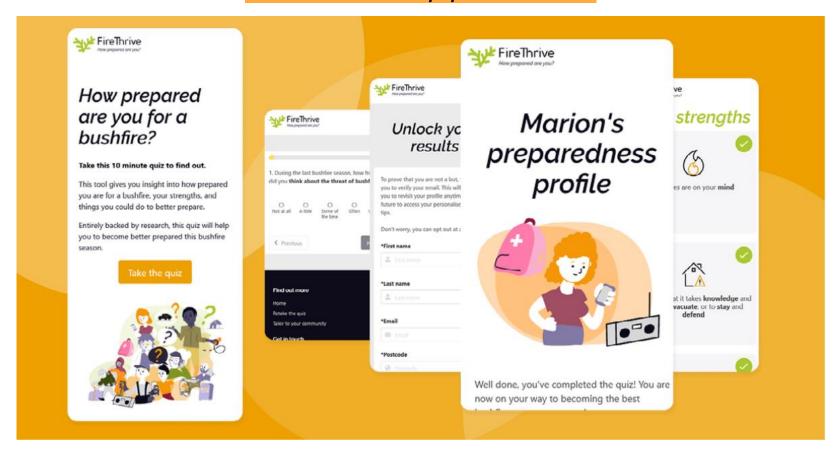
Entirely backed by research, this quiz will help you to become better prepared this bushfire season.

Take the qui:





Quiz web application

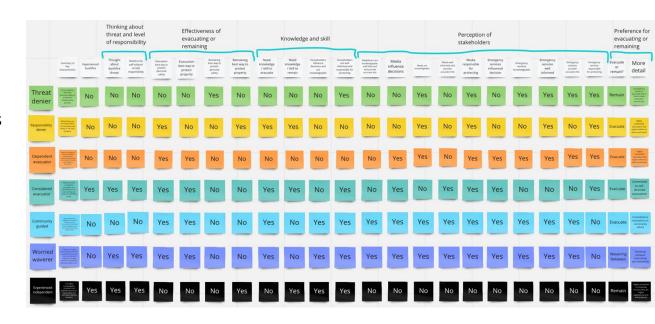




Behavioural analysis

Mapped each archetype's characteristics over a number of areas including

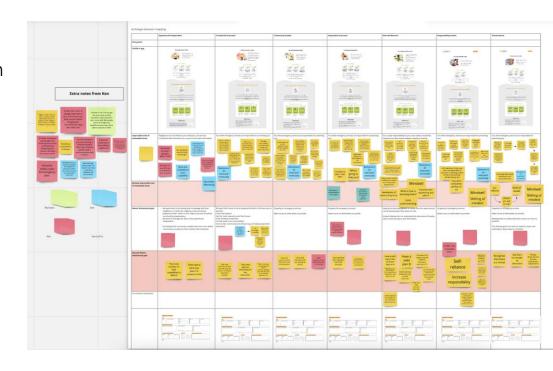
- Threat perception
- Evacuation preference
- Prior knowledge/skill
- Perception of stakeholders
- Trusted information sources





Behavioural analysis

- Each archetype's improvable trait of immediate focus
- A master behavioural goal to inform future behavioural planning and design





Responsibility Denier



Immediate improvable behaviour

Self reflection of what emergency services can realistically do during a bushfire.

Master behavioural goal

Increased self reliance and responsibility for bushfire evacuations.



User testing

Conduct surveys and user Take on feedback, and pivot testing with audiences approach if needed Learn Measure Build, measure and learn Build Research industry case studies and speak to academics

I would really like to see decision making in a real world scenario, so I would probably click the interactive scenario out of curiosity.

This would make me check the gutters - preferably now rather than in a bushfire. A checklist of how to prepare would be helpful.

At this point, I feel like I can't walk away with something concrete

And it's very nicely presented and displayed it's very user friendly, very easy to understand language as well.



User testing

It's so hard to find high quality information these days and covid has really proved that. The media don't have viewer's best interests at heart and I'm not trustworthy.

This looks like it could be really good. People always ask us "when will you go" and I say "I don't know". This could help.

It's really easy to use, very clear and simple 25 multiple choice questions, it's easy.

And it's very nicely presented and displayed it's very user friendly, very easy to understand language as well.

I would use this tool.

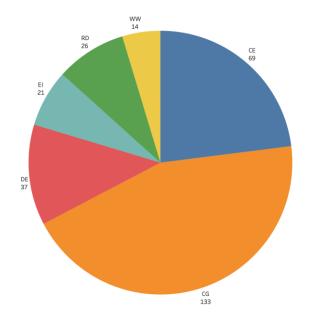
So it does get you to think about it and it puts bushfires back on your radar, when a lot of people don't want to think about it and that's one of the key barriers that somebody brings it up in the street when we're having a chat and everyone else changes the topic.

A reminder would be excellent... at the start of Summer, November or something that said "hey it's time to clean your gutters"

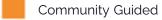


Snapshot of archetype data

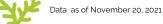








Worried Waverers



Promotion

- Engaged with the 16 LGAs across the greater Sydney, Hunter and Central region
- Received varying degrees of engagement from stakeholders
- Offered press kit and physical magnets for public spaces
- Presented online at local resilience expos



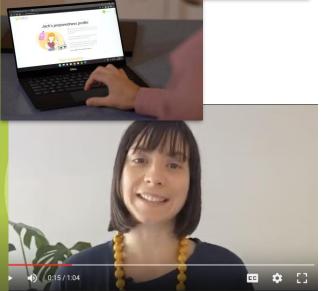
How prepared are you for a bushfire?

Take this 10 minute quiz to find out ahead of this bushfire season.

quiz.firethrive.com









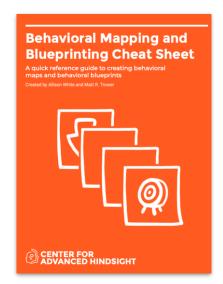
Email campaign





Users can retake the quiz periodically, with profile shifts demonstrating behaviour change over time.

Behavioural mapping



Access it here bit.ly/3JVTN3N



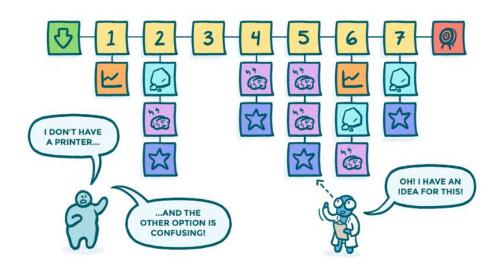
STRUCTURAL BARRIERS

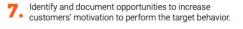
Barriers that arise from how the decision-making environment is structured (e.g. discoverability, friction).



PSYCHOLOGICAL BARRIERS

Barriers that are rooted in cognitive biases (e.g. opportunity cost neglect, decision paralysis).







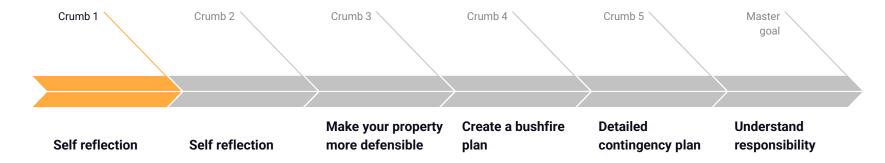
OPPORTUNITIES

Possible ways to increase motivation to perform this step, and ultimately reach the target behavior.



Responsibility Denier Behaviour change journey







Behaviour canvas

Asset:									
Asset type: Target audience/archetype:			Ļ	Project Hypothesis		Asset synopsis			
What behaviours are we changing?									
The behavioural tra	ait we'r	e trying to modify				e asset will address this wwledge Motivation Skills Environment	Behavioural master goa	oal	
How are we changing those behaviours Beginning Middle		Г	End/Continuation		FT philosophy O Playful Active	s, references and ex	examples		
						Behaviour driven Approachable Socially driven Personalised Narratively rich Bite-sized			



Intervention design

- Small, achievable steps scaffolded to achieve gradual change in bushfire preparedness
- Bite sized, just in time, low barrier to undertake
- Leveraged existing RFS, community based resources
- Engaged with RFS community engagement coordinators for feedback



Checking Your Risk

If you're surrounded by bush, near grassland or paddocks, near the coast, or in an area where grasslands meet built-up areas, then you may still be at risk of bushfire. Spend a few minutes checking your risk here (3 mins).



Conversation Guide

To help you to reach out to your neighbours or family, we have developed a short conversation guide to help you get the ball rolling.



Whilst you may expect the emergency services or a loved one to assist you with your evacuation, it's important to have a network of allies to lend a hand if the unexpected happens.





Intervention design

Conversation guide

How to reach out to your neighbours about preparing for a bushfire



What's your trigger to leave?

If your telephone and mobile has no network signal, how would you reach out to your most trusted bushfire allies?



? Acceement for y Whit ther

According to your profile, you think emergency services are responsible for protecting you.

Whilst this is correct to an extent, there are only so many houses firefighters can protect (especially when, at times, there are only two fire trucks per 600 households!).

What can I do?

There are many ways you can prepare yourself in the lead up to the bushfire season so you're not reliant on the emergency services.

The best place to start is to reach out to your neighbours to coordinate a bushfire plan.

Why reach out?

Coordinating your bushfire plan with someone will help you both.

Often people leave their bushfire plan until it's too late, so starting the conversation early will help you both to have a safer, less stressful bushfire evacuation.

Scenario 3: Changing conditions



5 January, 10am, 28 degrees

It's a windy day in late January. Bushfires have been rife across the state. You're waiting at your doorstep for your evacuation ally. Your bags are packed and ready to go, but it's been 45 minutes with no sign of them. They're not usually late.

Scenario 1: The closed road

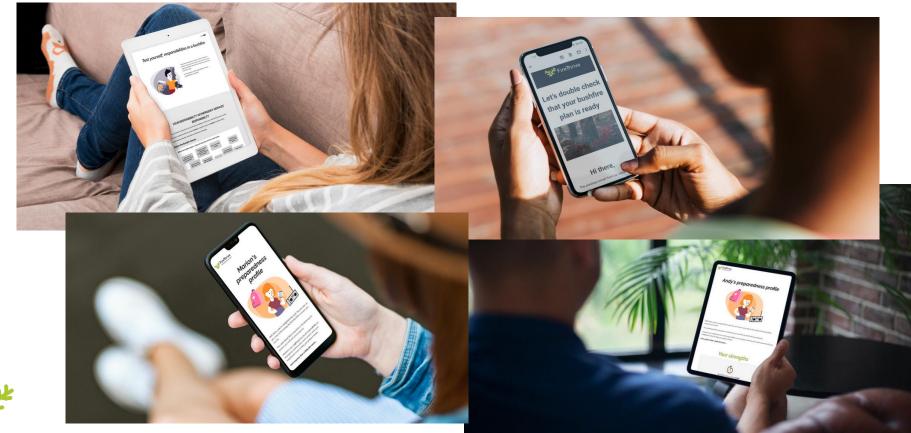


The phone rings

'Hey. I was heading over, but the highway has been closed because a tree has come down and we can't get in or out! fm really sorry, but I can't get there... What's your backup plan?*

Email campaign

Launched in Feb 2022





Evaluation

• 392 total users

- 164 NSW based
- 228 across VIC, TAS, SA, WA,
 QLD
- o users from NT
- Signed up betweenSep 2021-June 2022

Data sources

- Google Analytics
- Send in Blue
- Preparedness quiz (before/after)
- Zoom based interviews







Evaluation

February - June 2022 timeline

Non-NSW Cohort

- 51 users
- Quiz 1 responses analysed
- Quiz 2
 - 6 repeat users
 - Responses analysed and compared
- Comparison to other cohort

NSW Cohort

- 51 users
- Quiz 1 responses analysed
- Quiz 2
 - o 7 users
 - Responses analysed and compared
- Email engagement metrics analysed
- Comparison to other cohort



Evaluation

- Email 1 showed the most level of interaction, followed by email 2
- 37.25% of the cohort opened the emails
 - total number of openings = 182
- 23.53% of the cohort clicked through to resources
 - total number of clicks = 41
- Certain users engaged more often, accounting for the majority of respective total click and opening values.



Limitations

- Wholly online campaign
- Constrained by grant timelines
- Public focus and discourse covid and floods
 - Media release from Deputy Premier was shelved
- Not a community led project, no sense of ownership



Complete the quiz at

quiz.firethrive.com

Sign up to our newsletter for the

evaluation report

firethrive.com



Instagram

@FireThriveAU

@firethriveau

LinkedIn

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